FATIMA COLLEGE (AUTONOMOUS)

Affiliated to Madurai Kamaraj University

Re-Accredited with 'A++' by NAAC (Cycle – IV)

AICTE Approved MBA & MCA Programmes

Mary Land, Madurai – 625 018

FATIMA INSTITUTE OF MANAGEMENT

Ph: 0452-2668016, 2669015, Fax: 91-452-268437

E-Mail : mba@fcmdu.edu.in | mca@fcmdu.edu.in | Website:www.fatimacollegemdu.org

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NAME OF THE INSTITUTION

FATIMA COLLEGE (AUTONOMOUS)

Affiliated to Madurai Kamaraj University, Madurai
Re-accredited with "A++" by NAAC (Cycle – IV)
AICTE Approved MBA & MCA Programmes
Mary Land, Madurai – 625 018, Tamil Nadu, India

Managed by

ST.JOSEPH'S SOCIETY OF MADURAI

(Congregation of the Sisters of St. Joseph of Lyon, France)

Ph: 0452-2668016, 2669015, Fax: 91-452-2668437

E-Mail: mba@fcmdu.edu.in, mca@fcmdu.edu.in

Website: www.fatimacollegemdu.org

NAME AND ADDRESS OF THE TRUST/SOCIETY/COMPANY AND THE TRUSTEES

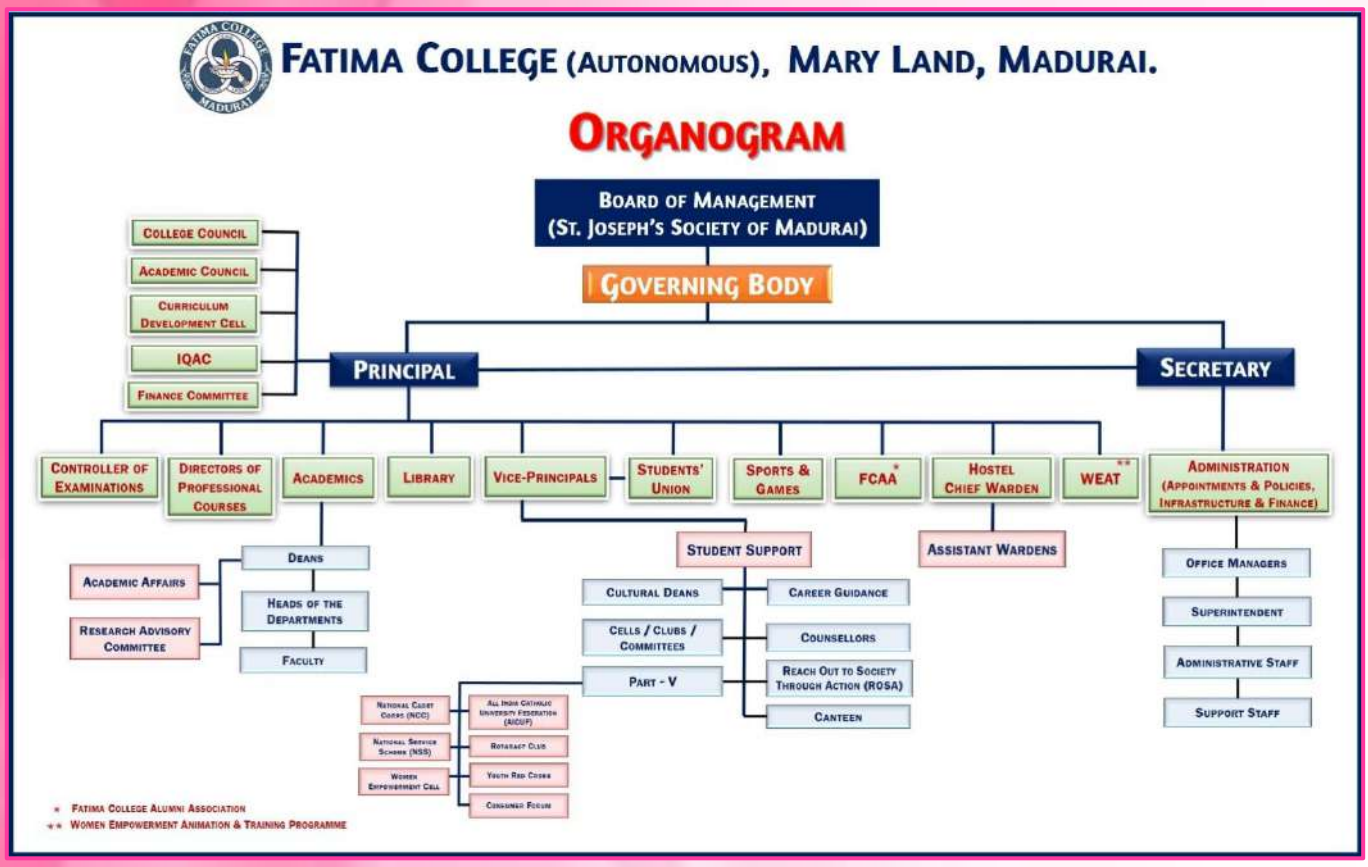
TRUST/ SOCIETY/ COMPANY			
Name of the Trust/ Society/ Company	St.Joseph'S Society Of Madurai.	**Type of the Trust/ Society/ Company**	Society
Registered With	Registrar Stock Of Companies	**Registration Date**	07/05/2046
Registration Number	S.NO.5 OF 1946	**Trust/ Society/ Company Address**	Assumption House, 73, Bye Pass Road, Ellis Nagar Post Madurai
State/UT	Tamil Nadu	**District**	Madurai
Town / City / Village	Madurai	**PIN**	625010
Land Phone STD Code	91452	**Land Phone Number**	2780851
PAN	AAFTS5007E	**GSTN No**	33AAFTS5007E2ZT
Mobile Number	9486907104	**Email Address**	info@fatimacollegemdu.org

PRINCIPAL – PERSONAL DETAILS

First Name:	**Sr. Celine Sahaya Mary**		
Designation:	Principal	**Designation:**	Principal
District:	Madurai	**District:**	Madurai
Postal Code:	625018	**Postal Code:**	625018
Land Phone Number:	2668016	**Land Phone Number:**	2668016
Alternate Mobile Number:	9843999777	**Alternate Mobile Number:**	9843999777
Alternate Email Address:	mba@fatimacollegemdu.org	**Alternate Email Address:**	mba@fatimacollegemdu.org

Name of the affiliating University - Madurai Kamaraj University, Madurai

ORGANIZATIONAL CHART



GOVERNING BODY

GOVERNING BODY			
1.	**Dr. Sr. Lilly Thockanattu,** Provincial,St.Joseph Province,India	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Vice-Chairperson
3.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Ex-Officio Member
4.	**Dr. Sr. Biji Cyriac** Councilor Incharge	:	Member
5.	**Dr.A. Gunasekaran** JDCE, Madurai Region, Madurai.	:	Government Nominee
6.	**Dr. M. Davamani Christober** Principal,The American College (Autonomous), Madurai - 625002.	:	University Nominee
7.	**Prof. A. Joseph Dorairaj** Emeritus Professor, School of English and Foreign Languages, Gandhigram Rural Institute- Deemed to be University Gandhigram– 624302.	:	Educationist
8.	**Mr.B.T. Bangera** Managing Director, Hi-Tech Arai Pvt. Ltd., Madurai-625014.	:	Industrialist
9.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I(Shift-I)	:	Member
10.	**Dr.Sr.J.ArulMary** Vice-Principal-I(Shift-II)	:	Member
11.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
12.	**Dr. M. Meenakumari** Dean of Arts	:	Member
13.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member
14.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member
15.	**Dr. A. Sheela Vimala Rani** Head, Department of Physics	:	Senior Staff
16.	**Dr. M. Regina Mary** Head, Department of Economics	:	Senior Staff
17.	**Dr. P. Shyamala** Head, Department of MBA	:	Senior Staff

GOVERNING BODY			
18.	**Dr. Sr. Bindu Antony** Superior, Fatima College Convent	:	Special Invitee
19.	**Dr.Sr.A.Jospin Nirmala Mary** Controller of Examinations	:	Special Invitee
20.	**Dr. S. Vidya** Coordinator – International Collaboration and Foreign Students' Welfare Cell	:	Special Invitee
21.	**Dr. S. J. Kala** Dean of Research	:	Special Invitee
22.	**Dr. Sr. G. Jenita Rani** Chief Warden, Fatima College Hostel	:	Special Invitee
23.	**Sr. F. Arockia Mary** Office Manager(Shift-I)	:	Special Invitee
24.	**Sr. S. Stella Arul Mary** Office Manager(Shift - II)	:	Special Invitee

ACADEMIC COUNCIL

ACADEMIC COUNCIL			
1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Special Invitee
3.	**Dr. Sr. M. Fatima Mary** Vice-Principal- I(Shift-I)	:	Member
4.	**Dr. R. Dayana Christy** Vice-Principal-II(Shift- I)	:	Member
5.	**Dr.Sr.J.ArulMary** Vice-Principal-I(Shift - II)	:	Member
6.	**Dr. M. Meenachi** Vice-Principal - II (Shift - II)	:	Member
7.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
8.	**Dr. M. Meenakumari** Dean of Arts	:	Member
9.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member
10.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member
11.	**Dr. S. J. Kala** Dean of Research(Shift-I)	:	Member

12.	**Dr. P. Shyamala** Dean of Research (Shift - II)	:	Member
13.	**Dr.Sr.A.Jospin Nirmala Mary** Controller of Examinations	:	Member
14.	**Dr. A. Vimala** Assistant Controller of Examinations	:	Member
15.	**Dr. R. Asokan** Professor, Department of Mathematics School o Mathematics, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
16.	**Dr. B. Padma** Associate Professor, Department of Education, Directorate of Distance Education, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
17.	**Dr. T. Jebasingh** Assistant Professor, Department of Plant Science, School of Biological Sciences, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
18.	**Dr. F. R. Alexander Pravin Durai** Vice Principal, Head and Associate Professor, Department of Commerce and Honours, St. Joseph's College (Autonomous), Trichy - 620002.	:	External Member
19.	**Mr. Raja Rajeswaran** Auditor, 167, 1st Floor, Opp.To Christian Mission Hospital, Madurai - 625001.	:	External Member
20.	**Mr. S. P. Muralidharan** Director - Technical & Marketing, Hi-Tech Arai Private Limited, Chinna Chokkikulam, Madurai - 625002.	:	External Member
21.	**Sr. A. Amala** Advocate, Madras High Court, Madurai Bench, Madurai.	:	External Member
22.	**Heads of Departments**	**:**	Members

BOARD OF STUDIES

1.	**Director / Head of the Department.**
2.	**Entire faculty of the Department.**
3.	**Two External Experts in the subject from other than the Parent university nominated by the Academic Council.**
4.	**One University Nominee.**
5.	**One Representative from Industry / Corporate Sector/ Allied Area Relating to Placement.**
6.	**One Meritorious Alumna**

STAFF GRIEVANCE REDRESSAL CELL

1.	**Dr. Sr. G. Celine Sahaya Mary**	:	Principal,Chairperson
2.	**Dr. Sr. Ignatius Mary**	:	Secretary
3.	**Dr. Sr. M. Fatima Mary**	:	Vice-Principal - I (Shift - I)
4.	**Dr. Sr. J .Arul Mary**	:	Vice-Principal - I (Shift - II)
5.	**Dr. K. Rosemary Euphrasia**	:	IQAC Coordinator

STUDENTS' GRIEVANCE REDRESSAL COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. J. Arul Mary** Vice-Principal - I (Shift - II)	:	Member
3.	**Dr. M. Meenachi** Vice-Principal - II (Shift - II)	:	Member
4.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
5.	**Dr. P. Shyamala** Associate Professor & Head of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Assistant Professor & Head of MCA	:	Member
7.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member

ANTI RAGGING COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. J. Arul Mary** Vice-Principal - I (Shift - II)	:	Member
3.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Coordinator
4.	**Dr. N. Asha** Assistant Professor Department of MBA	:	Member
4.	**Dr. R. Smeeta Mary** Assistant Professor Department of MCA	:	Member
5.	**Ms. K. Vibhacini** II MBA	:	Students' Representative
6.	**Ms. S. Swethaa** II MCA	:	Students' Representative

ESTABLISHMENT OF ONLINE GRIEVANCE REDERSSAL MECHANISM

LINK:https://fatimacollegemdu.org/fms/feedbackform.php

REDRESSAL OF SEXUAL HARASSMENT

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
3.	**Dr. Sr .J. Arul Mary** Vice-Principal-I (Shift - II)	:	Member
4.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Coordinator
5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Ms. K. Radhamagesh** Sub-Inspector of Police, Central Crime Branch, Madurai	:	External Member
8.	**Sr. A. Amala** Advocate, Madras High Court, Madurai Bench	:	External Member
9.	**Dr. R. Suganya** Assistant Professor Department of MBA	:	Member
10.	**Mrs. S. Jebapriya** Assistant Professor Department of MCA	:	Member
11.	**Mrs. A. R. Jacintha**	:	Superintendent
12	**Ms. K. Vibhacini** II MBA	:	Students' Representative
13.	**Ms. S. Swethaa** II MCA	:	Students' Representative

INTERNAL COMPLAINT COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
3.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member
4.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
5.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor, Department of MCA	:	Member
6.	**Ms. K. Vibhacini** II MBA	:	Students' Representative
7.	**Ms. S. Swethaa** II MCA	:	Students' Representative

ESTABLISHMENT OF COMMITTEE FOR SC/ST

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. S. Fatima Rosaline Mary** Head, Department of Commerce	:	Coordinator
3.	**Dr. Sr. J. ArulMary** Vice-Principal - I (Shift - II)	:	Member
4.	**Dr. M. Meenachi** Head, Department of BBA	:	Member
5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Mrs. S. Selvarani** Assistant Professor of MCA & Head of BCA	:	Member

INTERNAL QUALITY ASSURANCE CELL

INTERNAL QALITY ASSURANCE CELL			
1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Management Representative
3.	**Dr. K. Rosemary Euphrasia** Associate Professor of Computer Science	:	Coordinator
4.	**Dr.E. Helena** Assistant Professor of Mathematics	:	Assistant Coordinator
5.	**Dr. R. Saktheswari** Assistant Professor of English	:	Assistant Coordinator
6.	**Dr. Sr. M. Fatima Mary** Assistant Professor of Mathematics	:	Vice-Principal - I (Shift - I)
7.	**Dr. R. Dayana Christy** Associate Professor of Tamil	:	Vice-Principal - II (Shift - I)
8.	**Dr. Sr. J. Arul Mary** Assistant Professor of Chemistry	:	Vice-Principal - I (Shift - II)
9.	**Dr. M. Meenachi** Head, Department of BBA	:	Vice-Principal - II (Shift - II)
10.	**Dr. M. Meenakumari** Associate Professor of Sociology	:	Dean of Arts
11.	**Dr. M. V. Leena Chandra** Associate Professor of Physics	:	Dean of Science
12.	**Mrs. V. Mageshwari** Assistant Professor of IT	:	Dean of Self Financing Programmes
13.	**Dr. S. J. Kala** Associate Professor of English	:	Dean of Research (Shift - I)
14.	**Dr. P. Shyamala** Head, Department of MBA	:	Dean of Research (Shift - II)
15.	**Dr. Sr. G. Jenita Rani** Assistant Professor of Physics	:	Member
16.	**Mrs. B. Usha** Assistant Professor of MCA	:	Member
17.	**Dr.S. A. Suja** Assistant Professor of Tamil	:	Member
18.	**Dr. C. Sujatha**	:	Member

INTERNAL QALITY ASSURANCE CELL			
	Librarian		
19.	**Mr. H. Vincent** Placement Officer	:	Member
20.	**Mrs. P. Sumedha** Assistant Professor of English(SF)	:	Member
21.	**Mr. B. T. Bangera** Managing Director, Hi-Tech Arai Pvt. Ltd., Madurai – 625014.	:	Industrial Expert
22.	**Dr. A. Rose Venis** Dean of IQAC, Associate Professor of Chemistry, St. Joseph's College (Autonomous), Tiruchirappalli – 620002.	:	Academic Expert
23.	**Dr. D. Deepa** Assistant Professor, Department of Management Studies, Madurai Kamaraj University, Madurai – 625021.	:	Alumna
24.	**Sr. F. Arockia Mary**	:	Office Manager (Shift - I)
25.	**Sr. S. Stella Arul Mary**	:	Office Manager (Shift - II)
26.	**Ms. J. Pavila Jose** III B.Sc. Computer Science - President - Students' Union (Shift - I)	:	Students' Representative
27.	**Ms. J. Rizwana Hussain** III B. Com SF - President - Students' Union (Shift - II)	:	Students' Representative

PROGRAMMES

NAME OF PROGRAMMES APPROVED BY AICTE							
Level	**Program**	**Course**	**Affiliating Body (University /Body)**	**Intake Approved for 2022-23**	**Intake Approved for 2023-24**	**NRI Approval Status**	**FN / Gulf quota/ OCI/ Approval Status**
POST GRADUATE	COMPUTER APPLICATIONS	MASTERS IN COMPUTER APPLICATIONS	Madurai Kamaraj University, Madurai	60	60	No	No
POST GRADUATE	MANAGEMENT	MBA	Madurai Kamaraj University, Madurai	90	90	No	No

RE-ACCREDITED WITH "A++" (CGPA 3.61) GRADE BY NAAC (CYCLE-IV)

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare the
Fatima College (Autonomous)
Mary Land, Madurai, affiliated to Madurai Kamaraj University, Tamil Nadu as
Accredited
with CGPA of 3.61 on four point scale
at A++ grade
valid up to November 02, 2028

Date : November 03, 2021

Director

EC(SC)/79/4th Cycle/TNCOGN10051

PROGRAMMES & COURSES

PROGRAMS		
Programme	**New/ Existing Programme**	**Year of Start**
COMPUTER APPLICATIONS	Existing Programme	1994
MANAGEMENT	Existing Programme	1996

Programme	**MANAGEMENT**												
Sr. No.	**Course Name**	**Level**	**FT/PT**	**Affiliating body/University**	**Intakeapproved 2020-21**	**IntakeApproved 2021-22**	**Applied For**	**Appliedintake2022-23**	**NumberofRequird Faculty**	**NumberofFaculty**	**NRI ApprovalStatus**	**OCI/ FN Approval Status**	**Status of NBA accreditation**
1	MBA	PG	FT	MaduraiKamarajUniversity,Madurai	90	90	EoAOnly	90	9	9	Notinterested	Notinterested	Not Applicable

Programme	**MCA**												
Sr. No.	**Course Name**	**Level**	**FT/PT**	**Affiliating body/University**	**Intakeapproved 2020-21**	**IntakeApproved 2021-22**	**Applied For**	**Appliedintake2022-23**	**NumberofRequird Faculty**	**NumberofFaculty**	**NRI ApprovalStatus**	**OCI/ FN Approval Status**	**Status of NBA accreditation**
1	MCA	PG	FT	MaduraiKamarajUniversity,Madurai	60	60	EoAOnly	60	6	6	Notinterested	Notinterested	Not Applicable

FACULTY

* **PERMANENT FACULTY OF MBA**

1. **Dr. Sr. G. Celine Sahaya Mary, M.B A., FDP., Ph.D., D. Litt. (Principle / Director)**
2. **Dr. P. Shyamala, M.B A., M.Phil., PGDCA., NET, SET, Ph.D. (HOD)**
3. **Dr. N. Asha, M.B A., M.Com., M.Phil., CBCPS, NET., SET., Ph.D.,**
4. **Dr. L. Meena, M.B A., M.Phil., NET., SET, Ph.D.**
5. **Dr. M. Nagarenitha, M.B A., M.Phil., NET., SET., Ph.D.**
6. **Dr. R. Suganya, M. B. A, M.Com., M. Phil, PGDCM., NET., Ph.D.**
7. **Dr. M. Meenachi, M.H.M., Ph.d., SLET.**
8. **Dr. A. Rosary Infanta, M.B.A., M.Phil., NET, (Ph.D.)**

* **PERMANENT FACULTY OF MCA**

1. **Mrs. S. Mary Helan Felista, M. C. A., M.Phil., SET., NET, (Ph.D.) (HOD)**
2. **Dr. R. Smeeta Mary, M. C. A., M.Phil., Ph.D.**
3. **Mrs. S. JebaPriya, M. C. A., M.Phil. SET., (Ph.D.)**
4. **Mrs. B. Usha, M.Sc., M.Phil., M. Tech., SET., (Ph.D.)**
5. **Mrs. S. Selva Rani, M. C. A., M.Phil., NET., SET., (Ph.D.)**
6. **Mrs. P. Nancy Vincentina Mary, M. C. A., M.Phil., (Ph.D.)**

PERMANENT FACULTY RATIO

Permanent Faculties	No of Students
MBA FACULTY MEMBERS - 8	STUDENTS OF MBA – 90
MCA FACULTY MEMBERS - 6	STUDENTS OF MCA – 60
STUDENT RATION – 1:20	

FACULTY MEMBERS LIST

FACULTY MEMBERS LIST

Details available as on AICTE Web Portal

Sr. No.	Faculty ID	First Name	Last Name	PAN Card	Gender	Date of Birth	Designation	Appointment Type	Programme	Department	Course	Date of Joining	Diploma	UG	PG	Doctorate Degree	FY/Common Subject Teacher?	FY/Common Subject
1	1-3562136888	RAJAKKANNU	SUGANYA	CCOPS9860G	Female	05/10/1984	ASST PROFESSOR	Regular	MANAGEMENT	MANAGEMENT	MBA(FINANCE MARKETING)	06/14/2017	N	N	Y	Yes	N	

8	7	6	5	4	3	2
1-493082316	1-493082068	1-9495635998	1-7416416333	1-7416416237	1-7416416018	1-7416075120
SELVARAJ	.	MARIAPPA	SELVAM	BALRAJ	MUNISAMY	.
MARYHELANFELISTA	SMEETA MARY	MEENACHI	SELVARANI	JAYANTHI	NAGARENITHA	NANCY VINCENTINA MARY
BHKPM7108P	DAVPS4886N	AFYPM8735M	FCSPS8528A	AJLPJ7897E	AGRPN8411H	ALXPN7641Q
Female	Female	Female	Female	Female	Female	Female
04/08/1979	05/24/1983	05/04/1967	06/25/1983	04/06/1975	06/10/1978	07/22/1984
HOD	ASST PROFESSOR	ASST PROFESSOR	ASST PROFESSOR	ASST PROFESSOR	ASST PROFESSOR	ASST PROFESSOR
Regular	Regular	Regular	Regular	Regular	Regular	Regular
MCA	MCA	MANAGEMENT	MCA	MANAGEMENT	MANAGEMENT	MCA
MASTERS IN COMPUTER APPLICATIONS	MASTERS IN COMPUTER APPLICATIONS	MANAGEMENT	MASTERS IN COMPUTER APPLICATIONS	MANAGEMENT	MANAGEMENT	MASTERS IN COMPUTER APPLICATIONS
MASTERS IN COMPUTER	MASTERS IN COMPUTER	MBA (HOSPITAL MANAGEMENT)	MASTERS IN COMPUTER	MBA (MARKETING)	MBA (FINANCE)	MASTERS IN COMPUTER
06/16/2008	06/16/2008	08/28/2020	05/17/2013	06/14/2017	06/15/2011	06/15/2009
N	N	N	N	N	N	N

N	N	N	Y	N	N	N
Y	Y	Y	Y	Y	Y	Y
No	Yes	Yes	No	Yes	Yes	No
N	N	N	N	N	N	N

15	14	13	12	11	10	9
1-1455240375	1-1454806743	1-43800102395	1-493741451	1-493707687	1-493687495	1-493082320
BHAKTHAVATSALAM	SHYAMALA	AROCKIARAJPETER	LAKSHMI NARAYANAN	NAGARAJAN	GERMAN	SELVARAJ
USHA	PALANI PANDY	ROSARYINFANTA	MEENA	ASHA	CELINE SAHAYA MARY	JEBAPRIYA
AFFPU2587N	ANVPP5495L	AMYPR6310A	BAYPM3426M	BDQPA7546D	BIXPC0148M	AXVPJ8987B
Female	Female	Female	Female	Female	Female	Female
03/29/1974	01/21/1976	08/10/1987	05/04/1981	04/07/1985	12/25/1964	08/25/1982
ASST PROFESSOR	ASSOCIATE PROFESSOR	ASST PROFESSOR	ASST PROFESSOR	ASST PROFESSOR	PRINCIPAL	ASST PROFESSOR
Regular	Regular	Regular	Regular	Regular	Regular	Regular
MCA	MANAGEMENT	MANAGEMENT	MANAGEMENT	MANAGEMENT	MANAGEMENT	MCA
MASTERS IN COMPUTER APPLICATIONS	MANAGEMENT	MANAGEMENT	MANAGEMENT	MANAGEMENT	MANAGEMENT	MASTERS IN COMPUTER APPLICATIONS
MASTERS IN COMPUTER	MBA (MARKETING MANAGEMENT)	MBA (MARKETING)	MBA (FINANCE)	MBA(FINANCE MARKETING)	MBA(FINANCIAL MANAGEMENT)	MASTERS IN COMPUTER
06/15/2012	07/20/2005	06/15/2012	06/18/2009	06/15/2009	05/24/1998	06/16/2008
N	N	N	N	N	N	N
N	N	Y	N	N	N	N
Y	Y	Y	Y	Y	Y	Y
No	Yes	No	Yes	Yes	Yes	No
N	N	N	N	N	N	N

NAME : G. CELINE SAHAYA MARY
POSITION : PRINCIPAL
FACULTY OF : DEPARTMENT OF MANAGEMENT STUDIES
PHONE/MOBILE : 0452-2667809
EMAIL ID : celine_sjl@rediffmail.com
DATE OF BIRTH : 25.12.1964
LANGUAGES PROFICIENCY
READ : TAMIL, ENGLISH & HINDI
WRITE : TAMIL, ENGLISH & HINDI
SPEAK : TAMIL, ENGLISH & HINDI

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMMERCE	FATIMA COLLEGE (AUTONOMOUS), MADURAI	1985
2.		B.TH.	JNANA DEEPA VIDYAPEETH, PUNE	1995
3.	PG (MBA)	BUSINESS ADMINISTRATION	FATIMA COLLEGE (AUTONOMOUS), MADURAI	1998
4.	PH.D.	BUSINESS ADMINISTRATION	MADURAI KAMARAJ UNIVERSITY, MADURAI	2011

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO (PERIOD)
1.	FATIMA COLLEGE (AUTONOMOUS), MADURAI	1998 - TILL DATE

3. POSITION HELD IN FATIMA

S. NO.	NAME OF THE POSITION	DURATION
1.	PRINCIPAL	2017 - TILL DATE
2.	ACADEMIC COUNCIL	2011 - 2017
3.	SELECTION COMMITTEE FIRST YEAR UG & PG ADMISSION FATIMA COLLEGE	2007 - 2010
4.	CHIEF WARDEN	2010 - 2011
5.	CHIEF WARDEN	2007 - 2008
6.	VICE PRINCIPAL (SELF-FINANCING)	2005 - 2011
7.	WARDEN	2001 - 2005

4. Position Held Outside

S. No.	Name of the Position	Name of the Institution	Duration
1.	Congregation of Sisters of St. Joseph's of Lyons	Provincial Councilor in Charge of Education	2011 - 2017
2.	President, Staff Recruitment Committee	St. Joseph Girls Higher Secondary School, Madurai	2011 - 2017
		St. Joseph Matriculation Higher Secondary School, Madurai	
		Holy Family Girls Higher Secondary School, Madurai	
		St. Mary's Girls Higher Secondary School, Devakottai	
		St. Joseph Convent School, Usilampatti	
		Fatima College, Madurai	
3.	Animator	School of Educational Institutions, St. Joseph Society, Madurai	2011 - 2017
		Fatima College, St. Joseph Society, Madurai	2011 - 2017
4.	Communication Consultant	Sisters of St. Joseph of Lyon	2011 - 2017
5.	Link Person, Finance Team	Sisters of St. Joseph of Lyon	2011 - 2017
6.	Member, Governing Body	Fatima College, Madurai	2011 - 2017
		St. Joseph's Society, Madurai	2011 - 2017
		Sathangai Academy	2011 - 2017
7.	Member	Tamil Nadu Catholic Educational Association (TANCEAN)	2011 - 2017
		AIACHE	2011 - 2017
		Consortium	2011 - 2017

5. Areas of Specialization

- **Finance**

6. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
International Experience: International Experience to deepen the Vision & Mission of the College				
1.	Extended General Chapter at Bangalore	-	St. Joseph's Lyon	Nov. 2015
2.	General Chapter at Lyon, France	-	St. Joseph's Lyon	2011
3.	Blood Donation Camp	The Needy and dying Patients of Government Hospital	Tamil Nadu State AIDS control Society and State Blood Transfusion Council	Oct. 20, 2009

4.	Faculty Development Programme	Internship	Hi-Tech Arai Ltd.	Dec. 01 - 05, 2008
5.	Bearers of the Tradition	-	Sisters of St. Joseph's, Concordia, USA	June - July 2003
6.	FDP	Recent Innovation in Indian Financial Markets	T.A. PAI Management Institute, Manipal, Karnataka	Sep. 24 - 28, 2001
7.	FDP in Management	-	Indian Institute of Management, Ahmadabad	June 24 1999 - Mar. 23, 2000
8.	Training Course	Human Rights Education -	All India Association for Christian Higher Education	May 26 - 30, 1999
9.	Training Programme	Legal Literacy	Tamil Nadu State Commission for Women	24.03.1999 – 26.03.1999

7. National/International Seminar, Workshop, Conference & Symposium

S. No.	Programme & Theme	Organized by	Date	Participated / Presented	Title of the Paper
1.	International Workshop on "Women Transcending Gender Boundaries: The Malaysian Story"	Fatima College (Autonomous), Madurai, India and Binary University of Management & Entrepreneurship, Malaysia Venue: BU, Malaysia	Sep. 14, 2018	Organizer	-
2.	International Conference on "Digital Marketing – A Global Perspective"	Dept. of Management Studies, Fatima College (Autonomous), Madurai	Aug. 10, 2018	Presented	E-Retailing – The Success Mantra of Marketing
3.	National Seminar on "New Trends in Governance and Leadership in Higher Education in India" Sponsored by United Board for Christian Higher Education in Asia	AIACHE, Ecumenical Centre, New Delhi	Nov. 16 & 17, 2017	Participated	-
4.	Symposium on "Road Map to A Culture of Self Improvement"	Dept. of Management Studies, Fatima College (Autonomous), Madurai	Oct. 09, 2017	Participated	-
5.	Symposium on "Gateway to Banking Career"		Oct. 04, 2017	Participated	-
6.	Placement Workshop on Corporate Skills		Sep. 08, 2017	Participated	-
7.	National Conference on "Current Political and Economic Situation in India and Its Impact on Higher Education"	Xavier Board of Higher Education in India, Bangalore Venue: Don Bosco Provincial House, Hyderabad	Sep. 09 & 10, 2017	Participated	-
8.	Management Development Programme on "Career advancement & Skill Development"	Corporate	Jan. 23 & 28, 2016	Participated	-

9.	National Conference on "Indian World Class Manufacturing – The Road A Head"	Corporate	Oct. 01, 2015	Participated	-
10.	"Experience America – Pitchfest'14", Business Plan Contest, organized in collaboration with U.S. Consulate General, Chennai	U.S. Consulate General, Chennai	Sep. 09, 2014	Participated	-
11.	National Conference on "Corporate Social Responsibility: Myths and Realities" jointly organized with Departments of Sociology with MSW and Vergal (ROOTS), The Educational Trust, Madurai	Corporate	Nov. 22, 2014	Participated	-
12.	International Conference on "Social Media for Service Sector" jointly organized with the Departments of Computer Applications (MCA) and PG IT	Corporate	Aug. 20 & 21, 2014	Participated	-
13.	National Seminar on "Business Innovations"	Corporate	Aug. 12 - 17, 2013	Participated	-
14.	National Conference on "Green Business – Powering Sustainable Development" jointly organized with the Dept. of Information Technology	Corporate	Sep. 15, 2012	Participated	-
15.	National Conference on "Business and Professional Ethics – A 21ST Century Perspective"	Hi-Tech. Arai Ltd., Madurai	Sep. 17, 2011	Participated	-
16.	National Seminar in "Change Leadership"	Dept. of Management Studies, Fatima College, Madurai	Feb. 15, 2011	Presented	Tools and Techniques of Change Management
17.	International Conference on "Paradigm Shift in Contemporary Management Education"	Dept. of Management Studies, Fatima College, Madurai	Jan. 11 & 12, 2010	Presented	Institutional Investor and Corporate Governance
18.					Corporate Governance in Higher Education
19.	National Conference on "180 days/360° Knowledge Management in Higher Education"	The Ethiraj College for Women	Feb. 06 & 07, 2008	Presented	Knowledge Management, Culture, Society and Ethical Issues
20.	National Workshop on "Executive Excellences"	Hi-Tech. Arai Ltd., Madurai	Oct. 03, 2008	Participated	-

21.	Southern Regional Seminar on "Leadership in Management"	Association of Indian Management Schools	Aug. 08 & 09 2008	Participated	-
22.	National Workshop on "Emerging Trends in Advertising" jointly organized with the Dept. of English	AIRTEL (Partial funding)	Dec. 10 & 11, 2007	Participated	-
23.	National Seminar on "Challenges and Opportunities in Service Sector"	Hi-Tech. Arai Ltd., Madurai	Oct. 27, 2007	Participated	-
24.	National Seminar on "Employability of Management Profession"	Corporate	Feb. 24, 2007	Participated	-
25.	Conference on "Integrating Humanistic Values and Social concerns with Technical Education"	PSG College of Technology, Dept. of Humanities	Feb. 24 & 25, 2006	Participated	-
26.	National Conference on "Disaster Management"	V.O. Chidambaram College of Education	Dec. 17, 2005	Participated	-
27.	National Seminar on "Corporate Social Responsibility"	Corporate	Sep. 14, 2005	Participated	-
28.	National Seminar on "Knowledge Management"	Corporate	Oct. 16, 2004	Participated	-
29.	Workshop on "Case Study Method of Teaching for management & Commerce Teachers" Sponsored by AICTE	Sri Ramachandra College of Management	May 30 & 31, 2004	Participated	-
30.	Seminar on "Total Quality Management"	Dept. of MBA, Karpagam College of Engineering, Coimbatore	Mar. 08, 2003	Participated	-
31.	National Seminar on "Competing Through Cost Leadership"	School of Management Studies, University of Hyderabad	Oct. 03 & 04, 2002	Participated	-
32.	Seminar on "Total Quality Management"	Dept. of MBA, Karpagam College of Engineering, Coimbatore	Mar. 08, 2003	Presented	Quality Circles

8. Articles Published in Journals/Proceedings/Magazines/Books

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN/ISBN	Publisher
1.	Global Talent Management In Digital Era	A new paradigm in Talent Management as an Investment	Sep. 13, 2017	1	1	85	978-93-86537-95-9	Shanlax Publications, Madurai
2.	Kaizen Magazine	Tools and Techniques of Change Management	Mar. 2011	1	1	1	-	Department of MBA, Fatima College (Autonomous), Madurai
3.	Paradigm Shift in Contemporary Management Education	Corporate Governance in Higher Education	Jan. 2010	1	1	98	-	Department of MBA, Fatima College (Autonomous), Madurai
4.	Paradigm Shift in Contemporary Management Education	Institutional investor & Corporate Governance	Jan. 2010	1	1	97	-	Department of MBA, Fatima College (Autonomous), Madurai

9. Books Published

S. No.	Book Name	Year	Publisher	ISBN
1.	Educational Policy (St. Joseph of Lyons Society) (Revised Edition)	2017	-	-
2.	Educational Policy (St. Joseph of Lyons Society)	2011	-	-

10. Edited Journals

S. No.	Book Name	Year	Publisher	ISBN
1.	St. Joseph of Lyon, India	-	-	-

11. Major Assignments

S. No.	Major Assignment	Institution	Theme/Title	Date
1.	Grievance Redressal Programme	Fatima College, Madurai	-	2015 - 2016
2.	Lecture	St. Joseph's Lyon Society, Madurai	Interpersonal Relationship Trainees (Batch-II)	-
3.	Lecture	St. Joseph's Lyon Society, Madurai	Interpersonal Relationship Trainees (Batch-I)	-
4.	Lecture	Educational Institution, St. Joseph's Lyons Society	Emotional Intelligence for the Trainees	-
5.	Lecture	Educational Institution, St. Joseph's Lyons Society	Time & Team Management for staff,	-
6.	Lecture	St. Joseph's Lyon Society, Madurai	Motivation & Interpersonal Skills for the Leaders of the Educational Institution	-
7.	Inaugural Address	Fatima College, Madurai	parents Teachers meet	30.08.2013
8.	Felicitation	Fatima College, Madurai	Induction Program	03.07.2013
9.	Valedictory Address	Dept. of Management Studies, Fatima College, Madurai	National conference on – "Green Business – Powering Sustainable development"	15.09.2012
10.	Felicitation	Fatima College, Madurai	Induction Program	04.07.2012
11.	Chief Guest	Holy Family Girls Higher Secondary School, Madurai	Annual Day	2012
12.	Felicitation	Fatima College, Madurai	Induction Program	27.07.2011
13.	Felicitation in Valediction	Dept. of Management Studies, Fatima College, Madurai	Paradigm Shift in Contemporary Management Education	12.01.2010
14.	Felicitation	Fatima College, Madurai	National Student Development Workshop	03.10. 2008

12. Awards / Achievements

S. No.	Name of The Award	Awards Received for	Sponsors / Source	Place	Date
1.	Best Educationist Award	Outstanding Achievements and Remarkable Role in the Field of Education	International Institute of Education & Management	New Delhi	Aug. 30, 2019
2.	National Mahila Ratan Gold Medal Award		Indian Solidarity Council	New Delhi	Aug. 30, 2019

3.	Women of Excellence Award	Community Services	The International Association of Lions Clubs District 324 - B3	KLN College of Engineering, Sivagangai	Mar. 08, 2018
4.	Lifetime Education Achievement Award	Outstanding Achievements and Remarkable Role in the Field of Education	National & International Compendium	New Delhi	Nov. 02, 2017
5.	Doctor of Letters (D.Litt.)	Recognition and appreciation of her commendable contribution to the field of education	Educ Excel International (EEC), The International Economics University for SAARC Countries	Fatima College, Madurai	Oct. 07, 2017

13. Research Project Outcome

S. No.	Title of Project	Date & Year
1.	Case Studies – Institutional Finance Management, Educational Institution, St. Joseph Society, Madurai	2011 - 2017
2.	Financial Goals Pursued by Companies In India : A Study of Companies Listed in Ahmadabad Stock Exchange	1999 - 2000
3.	Role of the Bridge Foundation (TFB) in developing Rural Micro enterprises Development	1997 - 1998

14. Foreign Countries Visited on Academic Assignments/Training/Invited Programme

- **Malaysia**
  - To Receive the Best Governed Institution Award for Excellence in Governance conferred by the University of Malaya, Kuala Lumpur, Malaysia on Sept. 07, 2019.
  - To sign MoA with Binary University & Organize The International Workshop on "Women Transcending Gender Boundaries: The Malaysian Story" on Sep. 14, 2018 at Binary University, Malaysia.
- **USA** - One Month International Session on Barriers and Traditions
- **Spain** - Attended International Session – Religious Chapter (Planning & Election)
- **France** - Visited on Religious Assignment
- **Rome** - Visited on Religious Assignment – Pilgrimage

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LANGUAGES PROFICIENCY
READ : TAMIL, ENGLISH & HINDI
WRITE : TAMIL, ENGLISH & HINDI
SPEAK : TAMIL, ENGLISH & HINDI

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	BBA	FATIMA COLLEGE, MADURAI	1998
2.	PG	MBA	FATIMA COLLEGE, MADURAI	2000
3.	M. PHIL.	MANAGEMENT	MADURAI KAMARAJ UNIVERSITY	2005
4.	PH.D.	MANAGEMENT	MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL	2010
5.	PG	WOMEN'S STUDIES M.SC PSYCHOLOGY	MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL MADURAI KAMARAJ UNIVERSITY	2013 2020
6.	DIPLOMA	OFFICE AUTOMATION PGDCA	MADURAI KAMARAJ UNIVERSITY, MADURAI	2011

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	MANAGAYARKARASI COLLEGE FOR WOMEN	2000 – 2001
2.	E.M.G YADAVA WOMEN'S COLLEGE	2001 – 2005
3.	FATIMA COLLEGE, MADURAI	2005 – TILL DATE

3. POSITION HELD IN FATIMA

S. NO.	NAME OF THE POSITION	DURATION
1.	ASSISTANT PROFESSOR	2005 - 2017
2.	CIA	2009 - 2010
3.	STAFF SECRETARY	2011 - 2012
4.	HEAD OF THE DEPARTMENT, PG DEPT. OF INFORMATION TECHNOLOGY	2012 - 2017
5.	DEAN OF ACADEMIC AFFAIRS (S.F.)	2012 - 2015
6.	DIAMOND JUBILEE CELEBRATIONS CORE COMMITTEE – MEMBER	2013
7.	CO-ORDINATOR – ONLINE COURSE	2013 - TILL DATE

S. No.	Name of The Position	Duration
8.	Member, UGC Project Initiation Committee	2015 - Till Date
9.	Member, Students Grievance Committee- Member	2015 - Till Date
10.	Executive Committee Member, Fatima College Alumnae Association (FCAA)	2015 - Till Date
11.	Member, Foreign Students' Welfare Cell	2015 - 2016
12.	Associate Professor	July 2017 Onwards
13.	Head of The Department, Dept. of Management Studies	2017 Onwards
14.	Assistant Coordinator, IQAC	2017 - 2018
15.	Member, Research Advisory Committee	2016 - 2017 & 2018 - Till Date

4. Position Held Outside

S. No.	Name of The Institution	Name of The Position	Duration
1.	Anna University, Madurai	Visiting Faculty	2010 - 2011
2.	Sri GVG Visalakshi College, Udumalpet	Board of Studies, Subject Expert	2011 - 2013
3.	Subbalakshmi Lakshmipathy College	University Nominee, Board of Studies	2013 - 2015
4.	Dept. of Business Administration, Arulanandar College, Karumathur	Academic Audit Expert	06.01.2015
5.	NMSSVN College, Maduai	Board of Studies, Subject Expert	19.02.2016

5. Areas of Specialization

- Marketing

6. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized By	Date
1.	Faculty Development Programme	Business Intelligence	Department of Computer Applications, Fatima College, Madurai	14.02.2009
2.	Internship Programme	-	ABT Industries Limited Madurai	30.11.2009 - 04.12.2009
3.	Internship Programme	-	Regus Centres, Malaysia	20.01.2012 - 27.01.2012
4.	Training Programme	E-Content Development	Fatima College, Madurai	16.04.2012 - 20.04.2012
5.	Training Programme	Statistical Training Programme (Basic Level)	IQAC, Fatima College, Madurai	04.11.2013 - 07.11.2013

S. No.	Programmes	Theme	Organized By	Date
6.	Faculty Development Programme	Entrepreneurship Development	CED, Arasaradi, Madurai	02.12.2013 - 14.12.2013
7.	Training Programme	Statistical Training Programme (Advanced Level)	IQAC, Fatima College, Madurai	20.01.2014 - 22.01.2014
8.	Outbound Training Programme	Healing The Inner Child	Anugraha Arts and Science College, Dindigul	21.03.2016 - 22.03.2016
9.	Awareness Programme	Price Risk Management Using The Exchange Platform	Hotel Royal Court, Madurai	24.06.2016
10.	Outbound Training Programme	Healing The Inner Child	Anugraha Arts and Science College, Dindigul	01.03.2017 - 02.03.2017
11.	Faculty Development Programme	Entrepreneurship	Department of E&Ce, Rathinam Technical Campus, Coimbatore	04.06.2018 - 09.06.2018
12.	Outbound Training Programme	Healing The Inner Child	Anugraha Arts and Science College, Dindigul	27.02.2018 - 28.02.2018
13.	Internship Programme	-	Sahay Racks (P) Ltd., Tuticorin	03.12. 2018 - 08.12.2018
14.	Outbound Training Programme	Healing the Inner Child	Anugraha Arts and Science College, Dindigul	06.02.2019 - 07.02.2019
15.	INTERNSHIP PROGRAMME	-	J.J. Panels, Rajiv Gandhi Nagar, Madurai	09.12.2019-14.12.2019
16.	Online Faculty Development programme	ACADEMIC EXCELLENCE IN DIGITAL TEACHING AND LEARNING	DEPARMENT OF MANAGEMENT STUDIES, DIRECTORATE OF DISTANCE EDUCATION, MADURAI KAMARAJ UNIVERSITY	1.7.2020-7.7.2020
17.	INTERNSHIP PROGRAMME	-	Ethicare Facility Services India Pvt. Ltd, Coimbatore	28.12.2020 to 02.01.2021
18.	7 DAY INTERNATIONAL PROFESSIONAL DEVELOPMENT PROGRAMME	PDP ON SPSS	PG & RESEARCH DEPARTMENT OF COMMERCE, PARTICIAN COLLEGE OF ARTS & SCIENCE, CHENNAI	21.6.21-27.6.21
19.	INTERNSHIP PROGRAMME	-	SINDUR ATTIRES& TEXTILES	3.1.2022-8.1.2022
20.	SIX DAY INTERNATIONAL FDP	INNOVATIVE TEACHING AND LEARNING METHODS	PARTICIAN COLLEGE OF ARTS & SCIENCE POST GRADUATE & RESEARCH DEPARTMENT OF COMMERCE & IQAC, CHENNAI.	11.7.2022 - 16.7.2022
21.	One Week International Short Term Training	PRODUCTION AND REGULATION OF CHEMICALS AND TOXINS FOR ENVIRONMENTAL CONSERVATION	RAJ RISHI GOVT.AUTONOMOUS COLLEGE, ALWAR (RAJASTHAN)-INDIA	07.12.2022 – 13.12.2022
22.	Outbound Training Programme	HEALING THE INNER CHILD	ANUGRAHA ARTS AND SCIENCE COLLEGE, DINDIGUL	27.02.2023 – 28.02.2023
23.	Outbound Training Programme	HEALING THE INNER CHILD	ANUGRAHA ARTS AND SCIENCE COLLEGE, DINDIGUL	01.02.2024 – 02.02.2024

7. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. NO.	PROGRAMMES	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
1.	NATIONAL SEMINAR ON "EMERGING ISSUES AND CHALLENGES IN MANAGEMENT"	P.S.N.A., COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL	17.02.2007	PRESENTED	STRESS MANAGEMENT AND WORK LIFE BALANCE
2.	NATIONAL SEMINAR ON "CHALLENGES TO GLOBALIZATION AND STRATEGIES TO OVERCOME THEM"	MISRIMAL NAVAJEE MUNOTH JAIN ENGINEERING COLLEGE, CHENNAI	8. 03. 2007	PRESENTED	QUALITY OF WORK LIFE BALANCE AND GLOBALISATION
3.	NATIONAL SEMINAR ON "180 DAYS/360 DEGREE KNOWLEDGE MANAGEMENT IN HIGHER EDUCATION"	THE ETHIRAJ COLLEGE FOR WOMEN, CHENNAI	06.02.2008 & 07.02.2008	PRESENTED	KNOWLEDGE MANAGEMENT-CULTURE, SOCIETY AND ETHICAL ISSUES
4.	NATIONAL CONFERENCE ON "INFORMATION TECHNOLOGY AND MANAGEMENT"	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL	16.02.2008	PRESENTED	ENTERPRISE RESOURCE PLANNING
5.	ICSSR SPONSORED INTERNATIONAL CONFERENCE ON "REFORMS IN HIGHER EDUCATION IN ASIA"	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR	04.03.2008	PRESENTED	EMERGING TRENDS IN HIGHER EDUCATION
6.	NATIONAL SEMINAR ON "INVESTMENT TECHNIQUES"	FATIMA COLLEGE, MADURAI	05.03.2008	PRESENTED	E-BANKING
7.	NATIONAL CONFERENCE ON "SERVICE SECTOR-CHANGING ROLE OF SERVICE SECTOR –A GLOBAL PERSPECTIVE"	KALASALINGAM UNIVERSITY, KRISHNANKOIL	07.03.2008	PRESENTED	A STUDY ON CHANGING ROLE OF SERVICE SECTOR
8.	NATIONAL SEMINAR ON "SOUTHERN REGIONAL SEMINAR ON LEADERSHIP IN MANAGEMENT"	AIMS, MKU& PSG INSTITUTE OF MANAGEMENT	08.08.2008 & 09.08.2008	PARTICIPATED	-
9.	SEMINAR ON "ENHANCING & SUSTAINING QUALITY IN HIGHER EDUCATION : INTERVENTION STRATEGIES"	IQAC, FATIMA COLLEGE, MADURAI	27.02.2009	PRESENTED	TEACHING PEDAGOGIES IN PROFESSIONAL COURSES
10.	TAMILNADU STATE COUNCIL FOR HIGHER EDU. SPONSORED NATIONAL SEMINAR ON "FINANCIAL INSTITUTIONS"	DEPARTMENT OF COMMERCE GOVERNMENT ARTS COLLEGE, CHENNAI	27.02.2009	PRESENTED	FINANCIAL INSTITUTIONS IN INDIA
11.	INTERNATIONAL SEMINAR ON "ECONOMIC RECESSION"	DEPARTMENT OF MANAGEMENT STUDIES, THIRUCENCODE	25.03.2009	PRESENTED	ECONOMIC RECESSION IN TRANSFORMING THE WORK LIFE BALANCE
12.	WORKSHOP ON "WORKSHOP ON UNDERSTANDING AND HANDLING STRESS"	TOPKIDS, MADURAI	10.08.2009 & 11.08.2009	PARTICIPATED	-
13.	INTERNATIONAL SEMINAR ON "PARADIGM SHIFT IN CONTEMPORARY MANAGEMENT EDUCATION"	DEPARTMENT OF MANAGEMENT STUDIES, FATIMA COLLEGE, MADURAI	11.01.2010 & 12.01.2010	PRESENTED	CORPORATE GOVERNANCE IN HIGHER EDUCATION
14.	INTERNATIONAL SEMINAR ON "GLOBAL RECESSION"	DEPARTMENT OF ECONOMICS, FATIMA COLLEGE, MADURAI	22.01.2010	PRESENTED	GLOBAL RECESSION – ANOPPORTUNITY FOR INDIAN ECONOMY
15.	NATIONAL SEMINAR ON "THE IMPACT OF FOREIGN DIRECT INVESTMENT ONINDIAN ECONOMY"	DEPARTMENT OF COMMERCE, LOYOLA COLLEGE, CHENNAI	10.02.2010 & 11.02.2010	PRESENTED	INVESTMENT CLIMATE AND LABOR ISSUES IN INDIA

S. No.	Programmes	Organized By	Date	Participated/ Presented	Title of The Paper
16.	National Seminar on "Ethical Transformation of Contemporary Management Business"	Department of Management Studies, SNGIMS, Coimbatore	12.02.2010	PRESENTED	Changing Scenario in Marketing Practices
17.	Seminar on "Global Economic Meltdown"	Madurai Management Association	22.02.2010	PRESENTED	Global Economic Meltdown in The Indian Context
18.	National Seminar on "Prospects and Challenges in Entrepreneurial Development in The Post Economic Crisis Scenario"	Department of Business Administration, St. Xavier's College, Palayamkottai	26.02.2010	PRESENTED	Marketing Competency – A Key for Sme Success
19.	Seminar on "Enhancing Customer Relationship"	Department of Management Studies, Govt. Arts College, Paramakudi	05.03.2010	PRESENTED	Crm in Modern Banking Era
20.	National Conference on "Management – A Changing Scenario"	Department of Management Studies, Panimalar Engineering College, Chennai	06.03.2010	PRESENTED	Advertising – An Instrument for Effective Sales
21.	National Seminar on "New Paradigm of Competitiveness - Positioning Management Education for Challenges of Tomorrow"	CMR Institute of Management Studies, Bangalore	12.03.2010	PRESENTED	Mentoring – A Molding Tool in Academics
22.	National Seminar on "Emerging Trends in Retailing Industry"	SNR Institute of Management Sciences, Coimbatore	20.03.2010	PRESENTED	Relationship Marketing in Retail Banking
23.	National Seminar on "Quality Management in Higher Education –Role of IQAC"	Kristu Jayanti College, Bangalore	11.11.2010 & 12.11.2010	PRESENTED	Role of Students and Teaching, Learning and Evaluation Method
24.	National Seminar on "Impact of Micro Finance in Enhancing Competitiveness and Growth of Rural Markets in India"	P.S.G.R. Krishnammal College for Women, Coimbatore	23.12.2010	PRESENTED	Media Penetration in Rural Marketing
25.	National Seminar Indian Heritage – A Pathway to World Class Management	SNGIMS, Coimbatore	01.02.2011	PRESENTED	Hrm Horizons and Management of Work Place Diversity
26.	Seminar on "Corporate Social Responsibility and Sustainable Development"	Gandhigram Rural Institute Deemed University, Dindigul	13.02.2011	PRESENTED	Corporate Social Responsibility of Indian Business and Sustainable Development
27.	National Seminar on "Globalization"	Govt. Arts and Science College for Women, Krishnagiri	10.03.2011	PRESENTED	Role of Mncs in Global Business Trade with Special Reference to India
28.	International Seminar on "Disaster Management – Development Discourse"	Arul Anandar College, Madurai	16.03.2011	PRESENTED	Disaster Management- Mitigation and Displacement
29.	National Seminar on "Issues and Challenges in Service Sectors"	SNR Sons College, Coimbatore	17.3.2011	PRESENTED	Major Issues and Challenges in Transportation Services

S. No.	Programmes	Organized By	Date	Participated/ Presented	Title of The Paper
30.	NATIONAL SEMINAR ON GLOBALIZATION AND CONSUMERS – ISSUES AND CHALLENGES	SCHOOL OF COMMERCE-BHARATHIAR UNIVERSITY, COIMBATORE	22.07.2011 & 23.07.2011	PRESENTED	APPLICABILITY OF CONSUMER PROTECTION ACT IN THE BANKING SERVICES
31.	INTERNATIONAL SEMINAR ON INDIA'S EMERGING SERVICES SECTOR-CHALLENGES AND OPPORTUNITIES	NMSSVN COLLEGE, MADURAI	25.08.2011	PRESENTED	RECENT ISSUES AND CHALLENGES IN TRANSPORTATION SERVICES
32.	INNOVATIVE MANAGEMENT STRATEGIES FOR GLOBAL COMPETITIVENESS	RKKR SCHOOL OF MANAGEMENT STUDIES	20.10.2011	PRESENTED	ENTREPRENEURSHIP THROUGH EMPOWERMENT AN APPROACH FOR SUSTAINABLE DEVELOPMENT OF RURAL WOMEN
33.	NATIONAL SEMINAR ON ORGANISED RETAILING	DEPARTMENT OF BUSINESS ADMINISTRATION & COMMERCE WITH Ca, (FATIMA COLLEGE)	09.03.2012	PRESENTED	TRENDS IN GLOBAL RETAILING
34.	INTERNATIONAL CONFERENCE ON APPLICATION OF MANAGEMENT AND TECHNOLOGY RESEARCH IN GLOBALECONOMY	DEPARTMENT OF INDIAN STUDIES, FACULTY OF ARTS AND SOCIAL SCIENCES UNIVERSITY OF MALAYA & SRI Sai RAM INSTITUTE OF MANAGEMENT STUDIES	02.06.2012 & 03.06.2012	PARTICIPATED	-
35.	International Seminar on Impact of Global Crisis in Indian Business	Annai Mathammal Sheela Engineering College, Dept. of Management Studies	14.09.2012	PRESENTED	Impact of Global Crisis on Indian Economy
36.	Workshop on Pre-Placement Programme	Indian Institute of Training and Development	18.01.2013 & 19.01.2013	PARTICIPATED	-
37.	International Conference on Social Media for Service Sector	Professional Courses, Fatima College	20.08.2014 & 21.08.2014	PRESENTED	Social Media Marketing Strategy
38.	International Conference on The Impact of E-Commerce in Modern Business	Rathinam College of Arts and Science, Coimbatore	12.08.2015	PRESENTED	The Boom in E-Commerce Attributed To Technological Advancements
39.	International Conference on "Innovative HR Practices in Corporate World"	Rathinam College of Arts and Science, Coimbatore	19.08.2015	PRESENTED	Integration Strategies and Business Governance
40.	National Conference on "Integration of Technology and Organisational Strategies"	PG Dept. of Information Technology, Fatima College, Madurai	21.08.2015	PRESENTED	Developing A Knowledge Management Strategy
41.					Business Intelligence and Knowledge Management- A Review
42.					A Study on Safety Management in Fireworks

S. No.	Programmes	Organized By	Date	Participated/ Presented	Title of The Paper
					Industry in Sivakasi
43.					Digital Marketing
44.	International Conference on Corporate Social Responsibility and Sustainable Development	Rani Anna Government College for Women, Vergal, Madurai	29.01.2016	PRESENTED	A Study on Quality of Work Life of Management School Teacher With Special Reference To Madurai District
45.					Prevention of Risk in Fireworks Industry – A Study With Special Reference To Sivakasi, Virudhunagar District
46.					Need for Green Marketing in The Present Scenario
47.	International Conference on Innovative Management Practices	Sri Vidya College of Engineering and Technology, Virudhunagar	29.01.2016	PRESENTED	The Role of Ethics Incorporates in The New Millennium
48.	International Conference on Changing Urban Scenario: Opportunities and Challenges	Research Centre of Economics, Fatima College	17.02.2016	PRESENTED	The Need for Corporate To Go Green
49.	National Conference on Academic Audit and Quality Enhancement in HEIS	IQAC, Arul Anandar College, Karumathur	22.03.2016 & 23.03.2016	Presented	Status and Job Satisfaction of Self Financing Teachers in Higher Education
50.	Intercollegiate Research Fest- Exploria'16 – Innovative Responses To Social and Environmental Issues	Research Cell, Fatima College, Madurai	09.03.2016	Presented	A Study on Dietary Behavioural Habit Among College Students
51.	One Day Workshop on Intellectual Property Rights	Research Advisory Committee, Fatima College and Centre for Intellectual Property Rights, Chennai	10.12.2016	Participated	-
52.	Workshop on Preventive Care and Control of Non-Communicable Diseases for Marginalised Social Groups Under (YLSDP)	Youth Led Sustainable Development Programme and Fatima College	05.01.2017 - 07.01.2017	Participated	-
53.	Symposium on "Gateway To Banking Career"	Department of Management Studies, Fatima College, Madurai	04.10.2017	Participated	-
54.	Symposium on "Road Map To A Culture of Self	Department of Management Studies, Fatima College,	09.10.2017	Participated	-

S. No.	Programmes	Organized By	Date	Participated/ Presented	Title of The Paper
	Improvement"	Madurai			
55.	Symposium on "Enhancing Research Skills"	Department of Management Studies, Fatima College, Madurai	12.12.2017	Participated	-
56.	State Level Seminar on "Quality Assurance and Accreditation"	IQAC, Loyola College, Chennai	02.03.2018	Participated	-
57.	International Forum on "Women Transcending Gender Boundaries: The Malaysian Story"	Binary University of Management & Entrepreneurship, MALAYSIA	14.09.2018	Participated	-
58.	Symposium on "Exploring Import and Export Business Opportunities"	Department of Management Studies, Fatima College, Madurai	18.09.2018	Participated	-
59.	WEBINAR ON RESETTING MINDS IN UPSETTING TIMES	INTERNAL QUALITY ASSURANCE CELL, FATIMA COLLEGE	22.6.2020	PARTICIPATED	
60.	WEBINAR ON CELEBRATING WOMANHOOD IN CHALLENGING TIMES	INTERNAL QUALITY ASSURANCE CELL, FATIMA COLLEGE	26.6.2020	PARTICIPATED	
61.	DIGITAL TRENDS DRIVING INDUSTRY 4.0	GYNAMITE, GYANAM SERIES FOR GURUS SESSION	4.7.2020	PARTICIPATED	
62.	WEBINAR ON PLAGIARISM CHECK AND REFERENCING IN DISSERTATION AND THESIS	DE PAUL INSTITUTE OF SCIENCE & TECHNOLOGY, IQAC	7.7.2020	PARTICIPATED	
63.	FACULTY FOCUSED PROGRAM ON THE 7 MOST POWERFUL DIGITAL MARKETING STRATEGIES FOR ADMISSION OFFICERS IN COLLEGES	UNITIEUP	11.7.2020	PARTICIPATED	
64.	INTERNATIONAL WEBINAR ON SOCIAL ANXIETY "ONE BREATH AT A TIME"	DEPARTMENT OF PSYCHOLOGY, ST.JOSEPH'S COLLEGE, BANGALORE	18.7.2020	PARTICIPATED	
65.	WEBINAR ON "BE(a)WARE: DOMESTICVIOLENCE-KNOW THE LEGAL REMEDIES"	GURU NANAK COLLEGE, CHENNAI	23.7.2020	PARTICIPATED	
66.	NATIONAL LEVEL WEBINAR ON CONTINUING PROFESSIONAL DEVELOPMENT OF ACADEMIA IN DIGITAL ERA	SAMSHODHANA-THE FACULTY RESEARCH CELL, SCHOOL OF COMMERCE, JAIN (DEEMED TO BE UNIVERSITY) BENGALURU	24.7.2020	PARTICIPATED	
67.	FIVE DAY INTERNATIONAL SYMPOSIUM ON " WOMEN'S RIGHTS DURING COVID'19PANDEMIC-MYTHS AND REALITIES	PG DEPARTMENT OF HISTORY AND DEPARTMENT OF SOCIOLOGY AND SOCIAL WORK, FATIMA COLLEGE	27TH -31ST JULY2020	PARTICIPATED	
68.	NATIONAL LEVEL WEBINAR ON DIGITAL THINKING AND MOBILE LEARNING	SAMSHODHANA-THE FACULTY RESEARCH CELL, SCHOOL OF COMMERCE, JAIN (DEEMED TO BE UNIVERSITY) BENGALURU	30.7.2020	PARTICIPATED	
69.	5-DAY INTERNATIONAL CONFERENCE ON GLOBAL SERVICE LEARNING-2020	FATIMA COLLEG, MADURAI	29.7.2020-2.8.2020	PARTICIPATED	
70.	NATIONAL LEVEL WEBINAR ON ART OF WRIGIN ARTICLES AND PUBLISHING IN H-INDEXED JOURNALS	SAMSHODHANA-THE FACULTY RESEARCH CELL, SCHOOL OF COMMERCE, JAIN (DEEMED TO BE	7.8.2020	PARTICIPATED	

S. No.	Programmes	Organized By	Date	Participated/ Presented	Title of The Paper
		UNIVERSITY) BENGALURU			
71.	VIRTUAL NATIONAL LEVEL FDP SERIES I – RESEARCH METHODOLOGY IN COMMERCE AND MANAGEMENT	SCHOOL OF COMMERCE AND MANAGEMENT, ST.JOSEPH'S COLLEGE (AUTONOMOUS) BENGALURU	27.5.21-28.5.21	PARTICIPATED	
72.	ONE DAY ONLINE NATIONAL WORKSHOP ON 'HOUSEHOLD FINANCIAL PLANNING FOR PEACE & PROSPERITY'	KALA'S RESEARCH AND SKILL TRAINING ORGANIZATION (REGD.)	17.08.2022	PARTICIPATED	
73.	ONE DAY NATIONAL SEMINAR ON SUSTAINABILITY MANAGEMENT STRATEGIES IN FASHION BUSINESS	AMBIGA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, MADURAI	25.3.2023	PARTICIPATED	
74.	NATIONAL SEMINAR ON ENTREPRENEURIAL TRAITS AND TRENDS, 2023	THE RESEARCH CENTRE OF COMMERCE, FATIMA COLLEGE, MADURAI	29.09.2023	PRESENTED	HARMONIOUS LIVING – WORK LIFE BLEND
75.	SYMPOSIUM ON " FROM CLASSROOM TO BOARDROOM: EXCELLING IN BUSINESS COMMUNICATION & SOFT SKILLS"	DEPARTMENT OF MBA, FATIMA COLLEGE (AUTONOMOUS), MADURAI	17.02.2024	ATTENDED	-
76.	TWO DAY INTERNATIONAL CONFERENCE ON GLOBAL CONTEMPORARY ISSUES AND UNLOCKING INNOVATION IN BUSINESS INDUSTRY 4.0 (HYBRID MODE)	VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE VIRUDHUNAGAR, DEPARTMENT OF COMMERCE (SF)	24.7.24-25.7.24	PRESENTED	BUILDING ROUTINE-WORK LIFE INTEGRATION
77.	TWO DAY INTERNATIONAL CONFERENCE ON GLOBAL CONTEMPORARY ISSUES AND UNLOCKING INNOVATION IN BUSINESS INDUSTRY 4.0 (HYBRID MODE)	VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE VIRUDHUNAGAR, DEPARTMENT OF COMMERCE (SF)	24.7.24-25.7.24	PRESENTED	TALENT MANAGEMENT PRACTICES IN INFORMATION TECHNOLOGY
78.	7- DAY ONLINE INTERNATIONAL PROFESSIONAL DEVELOPMENT PROGRAM	PATRICIAN COLLEGE OF ARTS AND SCIENCE, ADYAR PATRICIAN RESEARCH CENTER IN ASSOCIATION WITH IQAC	16.8.2024-23.8.2024	ATTENDED	RESEARCH CRAFTSMANSHIP-MASTERING THE ART OF SCHOLARLY INQUIRY

8. Organizer / Convener

S. No.	Programmes	Organized By	Date
Organizer			
1.	National Seminar on Green Business Management-Powering Sustainability	Dept. of Management Studies and PG IT, Fatima College, Madrurai	15.09.2012
2.	National Conference on Computational Intelligence	PG Dept. of Computer Applications, PG IT Fatima College, Madurai	22.09.2012
3.	Workshop on Android Technologies	PG Dept. of Information Technology, Fatima College, Madurai	20.10.2012
4.	International Summit on Business Innovations	Department of Management Studies, Fatima College, Madurai	12.08.2013 - 17.08.2013
5.	National Conference on Computing & Convergence Technologies	PG Dept. of Computer Applications, PG IT Fatima College, Madurai	20.09.2013
6.	Workshop on "Corporate Research"	Dept. of Management Studies, PG IT Fatima College, Madurai	25.10.2013
7.	Workshop on "Project Management and Corporate Readiness	PG Dept. of Computer Applications, PG IT Fatima College, Madurai	26.10.2013
8.	Two-Day Workshop on Life Skills	Professional Courses, Fatima College and Anugraha, Dindigul	05.02.2014 & 06.02.2014

9.	International Conference on Social Media for Service Sector	Professional Courses, Fatima College	20.08.2014 & 21.08.2014
10.	Workshop on Career Opportunities in It Industry	PG Dept. of Information Technology	17.10.2014
11.	National Conference on "Integration of Technology and Organisational Strategies"	PG Dept. of Information Technology, Fatima College	21.08.2015
12.	Placement Workshop on "Technology & Behavioral Transformation – Need for An Hour"	PG Dept. of Information Technology, Fatima College	29.09.2015
13.	International Conference on Managing Disaster – A Strategic Perspective	MBA & PG IT, Fatima College, Madurai	29.09.2016 & 30.09.2016
S. No.	Programmes	Organized By	Date
14.	Workshop on Career Guidance for Soft Skills Training Programme	PG IT, Fatima College, Madurai	13.10.2016
15.	Intercollegiate Research Fest on "Youth: Agents of Emancipation & Social Transformation"	Research Advisory Committee, Fatima College	14.03.2017
16.	International Conference on Global Talent Management in The Digital Era	Fatima Institute of Management- MBA, MCA & M.Sc. (IT&M)	13.09.2017
17	Placement Workshop on Corporate Skills	Department of Management Studies, Fatima College, Madurai	08.09.2017
18.	BRILSZ 2K18 - Intercollegiate Meet	Department of Management Studies, Fatima College, Madurai	24.01.2018
19.	International Level Conference on Digital Marketing – A Global Perspective	Department of Management Studies, Fatima College, Madurai	10.08.2018
20.	BRILZ 2K18 - Intercollegiate Meet	Department of Management Studies, Fatima College, Madurai	11.08.2018
21.	Placement Workshop on Corporate Grooming	Department of Management Studies, Fatima College, Madurai	08.10.2018
22.	National Conference on Business Analytics – A Roadmap To Entrepreneurship	MBA & MCA, Fatima College, Madurai	06.09.2019
23.	BRILZ 2K19 – Inter Collegiate Meet	Department of Management Studies, Fatima College, Madurai	07.09.2019
24.	Placement Workshop on 360° Career Development	Department of Management Studies, Fatima College, Madurai	18.09.2019
Convener			
25.	National Conference on Corporate Social Responsibility: Myths and Realities	Dept. of Sociology, Management Studies Fatima College, Vergal (Roots)-Educational Trust, Madurai	22.11.2014

26.	ONLINE WORKSHOP ON HUMAN VALUES AND ETHICS IN SOCIAL MEDIA-A DIGITAL PERSPECTIVE	DEPARTMENT OF MANAGEMENT STUDIES, FATIMA INSTITUTE OF MANAGEMENT	15.7.2020-21.7.2020
27.	CONVENER Intercollegiate meet "BRILZ 2022"	DEPARTMENT OF MBA, FATIMA INSTITUTE OF MANAGEMENT	12.11.2022
28.	CO-CONVENER NATIONAL YOUTH PARLIAMENT-2022	A JOINT VENTURE - THE XAVIER BOARD OF HIGHER EDUCATION IN INDIA(TAMILNADU REGION) & FATIMA COLLEGE	26.4.2022& 27.4.2022
29.	CONVENER International Webinar on "Business Metamorphosis - The New Normal"	DEPARTMENT OF MANAGEMENT STUDIES, FATIMA INSTITUTE OF MANAGEMENT	10.05.2022
30.	CONVENER Intercollegiate meet "BRILZ 2022"	DEPARTMENT OF MANAGEMENT STUDIES, FATIMA INSTITUTE OF MANAGEMENT	17.05.2022
31.	CONVENER National Conference on "Innovation and Intelligence-A contemporary perspective"	DEPARTMENT OF MBA, FATIMA INSTITUTE OF MANAGEMENT	14.3.2023
32.	CONVENER National Conference on " Industry 4.0 – Navigating A Changing Landscape"	DEPARTMENT OF MBA, FATIMA INSTITUTE OF MANAGEMENT	06.10.2023
33	CONVENER Intercollegiate meet "BRILZ 2023"	DEPARTMENT OF MBA, FATIMA INSTITUTE OF MANAGEMENT	07.10.2023
34.	COORDINATOR BOOK REVIEW FEST 2024	THE RESEARCH & DEVELOPMENT CELL, FATIMA COLLEGE, MADURAI	02.9.2024

9. Research Guides/Guidance Details

Research Details

S. No.	Name of the University in which Recognized as Guide	Date of Registration	Registration Number	Date of Guideship Received	Ph.D. Guideship Details			
					Ongoing		Completed	
					Full Time	Part Time	Full Time	Part Time
1.	Mother Teresa Women's University, Kodaikanal	-	-	06.06.2013	-		-	2
2.	Madurai Kamaraj University, Madurai	-	1411	28.11.2014	-	3	-	4

Ph.D. Guidance Completed/Ongoing

S. No.	Student Name	Title of Thesis	Mode of Ph.D. (Full Time / Part Time	Registration Number	Date of Registration	Name of University/ Institution under which Registered	Registered/ Pursuing/ Submitted/ Pre-Viva/ Viva/ Awarded	Date (Submitted/ Pre-Viva/ Viva/ Awarded)
1.	S. NAGALAKSHMI	AN EMPIRICAL INVESTIGATION ON THE ROLE OF BEHAVIOURAL FINANCE IN PORTFOLIO INVESTMENT DECISION WITH SPECIAL FOCUS ON INDIVIDUALS WORKING IN BFSI SECTOR IN BENGALURU CITY	PART TIME	PHDMS2014P297	26.06.2014	Mother Teresa Women's University, Kodaikanal	AWARDED	27-11-2020

S. No.	Student Name	Title of Thesis	Mode of Ph.D. (Full Time / Part Time	Registration Number	Date of Registration	Name of University/ Institution under which Registered	Registered/ Pursuing/ Submitted/ Pre-Viva/ Viva/ Awarded	Date (Submitted/ Pre-Viva/ Viva/ Awarded)
2.	P. SONIKA	SAFETY MANAGEMENT IN FIREWORKS INDUSTRY- A STUDY WITH SPECIAL REFERENCE IN VIRUDHUNAGAR DISTRICT	PART TIME	PHDMS15P368	19.02.2015	Mother Teresa Women's University, Kodaikanal	AWARDED	7.7.2023
3.	JERLIN RUPA P	A STUDY ON QUALITY OF WORK LIFE OF WOMEN TEACHERS' IN SELF FINANCED COLLEGES	PART TIME	P3900	19.06.2015	Madurai Kamaraj University, Madurai	AWARDED	23-9-2020
4.	MANGAYARKARASI K	A STUDY ON FACTORS INFLUENCING GREEN MARKETING IN MADURAI DISTRICT	PART TIME	P4170	07.09.2015	Madurai Kamaraj University, Madurai	AWARDED	09.03.2021
5.	SCHOLASTICA SNEHA A	A STUDY ON EMPLOYEE RETENTION PRACTICES AND ITS EFFECTIVENESS IN IT SECTOR, CHENNAI	PART TIME	P4340	08.01.2016	Madurai Kamaraj University, Madurai	AWARDED	22-10-2020
6.	NAVEEN VANAN D	ASSESSMENT OF CUSTOMER SERVICE QUALITY AND CUSTOMER SATISFACTION IN THE PRIVATE BANKING SECTOR IN CHENNAI	PART TIME	P4364	08.01.2016	Madurai Kamaraj University, Madurai	AWARDED	10.03.2021
7.	G. VIGNESHWARAN	A STUDY ON EFFECTIVENESS OF ONLINE ADVERTISING WITH SPECIAL REFERENCE TO MADURAI DISTRICT	PART TIME	P4023	07.09.2015	Madurai Kamaraj University, Madurai	PURSUING	-
8.	B. SUGANYA	IMPACT OF E-BANKING ON BUSINESS AND INDIVIDUAL CUSTOMERS AND RATE OF ADOPTION IN MADURAI CITY	PART TIME	P4821	07.01.2017	Madurai Kamaraj University, Madurai	PURSUING	-
9.	R. MUTHARASU	A STUDY OF NON-GOVERNMENTAL ORGANISATIONS' ROLE IN EMPOWERING WOMEN THROUGH ENTREPRENEURSHIP IN SIVAGANGAI DISTRICT	PART TIME	P4852	09.01.2017	Madurai Kamaraj University, Madurai	PURSUING	-

10. Articles Published in Journals/Magazines

S. No.	Journal / Magazine Name	Article Title	Month/ Year	Vol. No.	Iss. No.	Page No.	ISBN/ ISSN	Publisher
1.	HRD Times	Paradigm Shift in Higher Education	2009	11	3	30-31	-	M. Farhath Hussain HRD, Chennai
2.	MBA Review	Economic Recession Transforming The Work Life Balance	2009	VIII	5	34-37	0972-6764	The ICFAI University Press, Bangalore
3.	MBA Review	Personal and Professional Conflicts	2009	III	6	46-49	0974-6838	The ICFAI University Press, Bangalore
4.	Journal for Bloomers of Research	Sustainable Development of Entrepreneurship With Particular Reference To Madurai City	Aug. 2011	4	1	360-364	0974-6838	V.H.N Senthikumara Nadar College, Virudhunagar
5.	Journal of Business Research	Women Empowerment Through Self Help Groups	Sep. 2011	I	2	91-96	2248-9711	Dhanraj Baid Jain College, Chennai

S. No.	Journal / Magazine Name	Article Title	Month/ Year	Vol. No.	Iss. No.	Page No.	ISBN/ ISSN	Publisher
6.	Journal of Management and Entrepreneurship	Serv Qual Analysis on Customer Expectations and Perceptions Towards Life Insurance	Dec. 2011	I	3	161-166	2231-3710	Management Teachers Consortium Global Chennai Chapter
7.	Selp Journal of Social Science	Legal Protection for The Consumer in The Banking Services	Mar. 2012	III	9	70-73	0975-9999	Selp Trust
8.	Research Explorer	Barriers To Technology Usage Among Female Teachers in Chennai –An Analysis	June 2012	I	1	101-106	2250-1940	Social Empowerment of Local People Trust
9.	International Journal of Management Review	Crm in Retailing	Aug. 2012	-	-	112-116	2277-5803	-
10.	Journal of Management Research	Knowledge Management –The Key Factor To Success	Dec. 2012	2	5	51-55	2249-6459	KPCJMR, Chennai
11.	Journal of Management and Science	Conflict Between Work and Life and Its Effect on Work Culture	Dec. 2012	II	4	120-129	2250 1819	Non Olympic Times
12.	Research Explorer	Strategies of Marketing for The Benchmark in Today's Business Scenario	Jan. 2013	II	3	25-28	2250-1940	Indian Academic Researchers Association
13.	Research Explorer	Impact of Global Economic Crisis on Indian Women	Apr. 2013	II	10	120-123	2250 1940	Indian Academic Researchers Association

14.	Journal of Management	Workers' Views on Safety System To Prevent Accident in Fireworks, Industry, Sivakasi	Apr. 2015	-	-	106-110	0974-0406	-
15.	International Journal of Multidisciplinary Researches	Factors Affecting The Growth of Entrepreneurship in Small Scale Sector	Sep. 2015	2	Special Issue	11-14	2349-8684	Dr. S. Balakrishnan Vergal (Roots) Madurai
16.	International Journal of Multidisciplinary Researches	Online Entrepreneurship- A Solid Investment	Sep. 2015	2	Special Issue	15-23	2349-8684	Dr. S. Balakrishnan Vergal (Roots) Madurai
17.	Roots International Journal of Multidisciplinary Researches	Need for Green Marketing in The Present Scenario	Feb. 2016	2	1	53-55	2349 - 8684	Dr. S. Balakrishnan Vergal (Roots) Madurai
18.	International Journal of Advance Research and Innovative Ideas in Education	The Role of Ethics in Corporate in The Millennium	2016	1	1	254-258	2395-4396	IJARIIE

S. No.	Journal / Magazine Name	Article Title	Month/ Year	Vol. No.	Iss. No.	Page No.	ISBN/ ISSN	Publisher
19.	Journal of Scientific Praxis and Action Research for Knowledge Society	Quality of Work Life of Women Teachers – A Study With Special Reference To Self Financing Teachers in Madurai District	May 2016	5	1	46-51	2277-5021	Britto Publishing House, Arul Anandar College
20.	Kaizen Magazine	Role of Digital Media Marketing in Modern World	Mar. 2017	7	1	1	-	Department of Management Studies, Fatima College
21.	Royal – Peer Reviewed and UGC Listed Journal	An Empirical Investigation To Understand The Key Factors Influencing Behaviour of Individual Investor in Indian Equity Market	Jan. 2018	Vi	1	119-132	2319-359x	Ajanta Prakashan, Aurangabad
22.	Bodhi – International Journal of Research in Humanities, Arts & Science	Socio-Economic Implications of Linking Aadhaar With Banks	Jan. 2018	2	3	83-86	2456-5571	Center for Resource, Research and Publication Services (Crrps), India
23.	Bodhi – International Journal of Research in Humanities , Arts & Science	A Study on Stress Among School Teachers With Special Refernce To Madurai District	Jan. 2018	2	3	91-94	2456-5571	Center for Resource, Research and Publication Services (Crrps), India

S. No.	Journal / Magazine Name	Article Title	Month/ Year	Vol. No.	Iss. No.	Page No.	ISBN/ ISSN	Publisher
24.	BODHI – INTERNATIONAL Journal of Research in humanities , arts &acience	SHRINKING OF WOMEN PROPORTION AT EXECUTIVE MANAGEMENT IN INDIAN IT SECTOR	Feb. 2018	2	3	73-76	2456-5571	Center for Resource, Research and Publication Services (CRRPS), India
25.	RUSSIAN LAW JOURNAL	ANALYSING THE MAJOR DETERMINANTS OF IMPLEMENTING ARTIFICIAL INTELLIGENCE IN ENHANCING CUSTOMER RELATIONSHIP MANAGEMENT IN PRIVATE BANKING COMPANIES	2023	XI	7s	373-381	2312-3605	Russian Law Journal is indexed by Scopus and ESCI Web of Science
26.	JOURNAL OF THE ORIENTAL INSTITUTE	FACTORS INFLUENCING WORK FROM HOME CONCEPT AMONG WOMEN PROFESSIONALS IN MADURAI DISTRICT	June 2023	72	02	143-157	UGC – CARE LISTED ISSN 0030-5324	The Maharaja Sayajirao University of Baroda, Vadodara
27.	SOUTH INDIA JOURNAL OF SOCIAL SCIENCES	IMPACT OF FAMILY COMMITMENTS ON QUALITATIVE PARAMETERS OF WORK FROM HOME CONCEPT AMONG WOMEN PROFESSIONALS' IN MADURAI DISTRICT	Dec 2023	XXI	09	216-225	UGC – CARE LISTED ISSN 0972-8945	A.P Academy of Social Sciences, Visakhapatnam
28.	SHODHA PRABHA JOURNAL	HARMONIOUS LIVING – WORK LIFE BLEND	Dec 2023	48	02	252-256	UGC – CARE Journal ISSN 0974-8946	Shri Lal Bahadur Shastri Rashriya Sanskrit Vidyapeetha
29.	EDUCATIONAL ADMINISTRATION: THEORY AND PRACTICE	DETERMINANTS OF WORK FROM HOME CONCEPT AMONG WOMEN PROFESSIONALS' IN MADURAI DISTRICT	Dec 2023	29	04	2425-2435	Scopus E-ISSN 2148-2403	INK PUBLICATION https://kuey.net/index.php/kuey/article/view/7146,
30.	INTERNATIONAL JOURNAL OF BUSINESS AND ECONOMICS RESEARCH	BUILDING ROUTINE-WORK LIFE INTEGRATION	Sep.2024	1	1	6-17	Special issue (IJBER) e-ISSN: 2455-	Dr. BGR Publications https://drbgrpublications.in/

S. No.	Journal / Magazine Name	Article Title	Month/ Year	Vol. No.	Iss. No.	Page No.	ISBN/ ISSN	Publisher
							3921	
31.	INTERNATIONAL JOURNAL OF BUSINESS AND ECONOMICS RESEARCH	TALENT MANAGEMENT PRACTICES IN INFORMATION TECHNOLOGY INDUSTRY	Sep.2024	1	1	173-178	Special issue (IJBER) e-ISSN: 2455-3921	Dr. BGR Publications https://drbgrpublications.in/

11. Articles Published in Books

S. No.	Book Name	Article Title	Month / Year	Page No.	ISBN/ ISSN	Publisher
1.	Ethical Transformation of Contemporary Business	Changing Scenario in Ethical Marketing Practices	2010	64-72	978-81-909150-3-8	NCRC Publications
2.	Emerging Trends in Retailing Industry	Relationship Marketing in Retail Banking	Mar. 2010	82-89	978-81-7273-537-1	Authors Press
3.	Changing Perspectives of Management	Human Resource Management Challenges in The Workplace Diversity	2011	537-543	81-88223-00-X	His Publications
4.	Challenges and Issues in Services Marketing	Major Issues and Challenges in Transportation Services	Mar. 2011	88-93	907494-2-8 Page	Anuradha Publishing Company

S. No.	Book Name	Article Title	Month / Year	Page No.	ISBN/ ISSN	Publisher
5.	Indian Heritage – A Pathway To World Class Management	Hrm Horizon and Management of Work Place Diversity	2011	292-304	909150-5-2	NCRC Publications
6.	Global Competitiveness in Business: Trends and Traits	Role of Mncs in Global Business	2011	90-92	1667-651-207	Sri Balaji Publications
7.	Emerging Trends in Global Business	Dynamic Scenario of Crm in Retailing	Sep. 2011	91-93	978-93-81537-00-8	NCRC Publications
8.	Emerging Trends in Global Business	Education Institution As Catalyst for Developing Entrepreneurs	Sep. 2012	431-434	978-93-81537-00-8	NCRC Publications
9.	Women in Science and Technology: Maximizing Talents-Minimizing Barriers	Need and Benefits of Work Life Balance	Aug. 2013	164-167	978-93-81992-89-0	Tamil Nadu Open University
10.	Corporate Sustenance-Through People, Profit and Planet Management	Development of Sustainability and Accountability Through Corporate Ethics	2014	159-162	978-93-81992-45-6	Bharathidasan Govt. College for Women
11.	Contemporary Social Development Paradigms	Disaster Management: Mitigation and Displacement	2014	310-317	978-81-7273-797-9	Authorspress
12.	The Impact of E-Commerce in Modern	The Boom in E-Commerce Attributed To Technological	Aug.	125-126	978-93-	Hikey Media

	Business	Advancements	2015		82570-67-7	
13.	The Domain of E-Commerce	A Comparative Study of Customer Relationship Management & E-CRM Technologies	Dec. 2015	100-105	978-93-85399-93-0	Shanlax Publications
14.	Managing Disaster – A Strategic Perspective	Role of Digital Media Marketing in Modern World	Sep. 2016	370-378	978-8-1930-234-26	World Literature Books Centre & Publisher Pvt. Ltd
15.		Crisis Management: Expository HR Strategies		169-172		
16.		Role of Public Relation in Crisis Management		382-387		
17.		Role of Financing in Disaster Risk Management		465-479		
18.		The Ways and Need for Corporates To Go Green		484-488		
19.		Branding for Women		149-155		
20.	Global Talent Management in The Digital Era	Essentials of Global Talent Management for The Profitable Growth of Organisation	Sep. 2017	66-68	978-93-86537-95-9	Shanlax Publications
21.		Talent Management in Higher Education Sector		135-138		
22.		Green Marketing The Leading Edge At This Moment		153-156		

S. No.	Book Name	Article Title	Month / Year	Page No.	ISBN/ ISSN	Publisher
23.		Behavioural Finance: A Perception of Investors Psychology		161-164		
24.		Brand Building Through Digitalisation in The Globalisation Era		207-210		
25.		Technology Advancement in Online Banking		241-244		
26.		Digital Learning Management System		17-19		
27.		Green Marketing Strategies By Using Digital Marketing		138-140		
28.	The International	Digital Revolution in The Banking Sector		141-144		

29.	Conference on Digital Marketing - A Global Perspective	Artificial Intelligence (Ai) in Marketing	Aug. 2018	157-160	978-93-87871-67-0	Shanlax Publications
30.		Role of ICT in Rural Marketing of India		223-226		
31.		E-Banking Trends in India: An Overview		275-282		
32.		A Study on Marketing Problems Encountered By Rural Women Entrepreneurs		295-297		

12. Guest Lectures Delivered

S. No.	Organization	Theme/Title	Date
1.	Department of Mathematics (UG), Fatima College	Career Guidance	01.04.2014
2.	Department of Information Technology (UG), Fatima College	Introduction To Advertisement	13.12.2014
3.	Department of B.Com. Ca, Fatima College	Project Guidelines	23.01.2015
4.	BBA Dept. E.M.G. Yadava Women's College, Madurai	Guidelines for Project	19.02.2015
5.	Dept. of Home Science, Fatima College, Madurai	Project Guidelines	13.07.2015
6.	Department of B.Com Ca, Fatima College	Research Guidelines	08.12.2015
7.	Women Cell	Stress Management	04.02.2016
8.	N.M.S.S.V.N. College, Dept. of Management Studies, Madurai	Application of Statistical Tools in Research Using SPSS	18.03.2016
9.	Department of Mathematics –Shift I, Fatima College	Career Guidance Programme	30.11.2016
10.	Department of B.Com Ca, Fatima College	Research Guidelines	02.12.2016
11.	Capacity Building for Young Leaders	Information and Foresightedness	17.02.2017
12.	Quality Circle, Fatima College	Qc Orientation	29.07.2017
13.	Department of B.Com CA, Fatima College	Statistical Methods in Research	31.08.2017
14.	DEPARTMENT OF M.COM CA, FATIMA COLLEGE	TEAM BUILDING	6.12.2019
15.	RESEARCH DEPARTMENT OF ECONOMICS	BUSINESS SKILLS FOR WOMEN	28.9.2021
16.	DEPARTMENT OF B.COM CA, FATIMA COLLEGE	REPORT WRITING	7.4.22 & 8.4.22
17.	MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI	MARKET SURVEY – QUESTIONNAIRE DESIGNING	14.11.23
18.	VISIONARY RESEARCH ACADEMY, BENGALURU	CRAFTING A RESEARCH MASTERPIECE METHODOLOGY	23.12.23 To 27.12.23
19.	QUALITY CIRCLE, FATIMA COLLEGE	5S STRATEGIES FOR EFFECTIVE QUALITY CIRCLE	29.8.24

13. Membership in Professional Bodies

- Indian Academic Researchers Association – Life Time Member

14. Foreign Countries Visited on Academic Assignments/Training/Invited Programme

- MALAYSIA - INTERNSHIP PROGRAMME AT REGUS CENTRES FROM 20.01.2012 - 27.01.2012

- MALAYSIA - PARTICIPATED IN THE INTERNATIONAL WORKSHOP ON "WOMEN TRANSCENDING GENDER BOUNDARIES: THE MALAYSIAN STORY" ON SEP. 14, 2018 AT BINARY UNIVERSITY, MALAYSIA ORGANIZED BY FATIMA COLLEGE, MADURAI IN COLLABORATION WITH CENTRE FOR WOMAN LEADERSHIP, BINARY UNIVERSITY, MALAYSIA.

15. ACHIEVEMENTS

S. NO.	NAME OF THE AWARD	AWARD RECEIVED FOR	SPONSORS / SOURCE	DATE
1.	THE BEST PERFORMANCE AWARD 2015 - 2016	ACADEMIC EXCELLENCE, RESEARCH CULTURE AND DEDICATED SERVICE TO THE STUDENT COMMUNITY AND THE INSTITUTION	FATIMA COLLEGE (AUTONOMOUS), MADURAI	MAR. 11, 2016
2.	THE BEST PERFORMANCE AWARD 2016 - 2017	ACADEMIC EXCELLENCE, RESEARCH CULTURE AND DEDICATED SERVICE TO THE STUDENT COMMUNITY AND THE INSTITUTION	FATIMA COLLEGE (AUTONOMOUS), MADURAI	MAR. 11, 2017
3.	SENIOR RESEARCHER PROFICIENCY AWARD	RESEARCH AND GUIDANCE	KALA'S RESEARCH SKILL AND TRAINING ORGANISATION GOVT.RECOGNISED	DECEMBER 2022
4.	BEST EDUCATIONALIST AWARD	ACADEMIC EXCELLENCE IN TEACHING	KALA'S RESEARCH &SKILL TRAINING ORGANISATION, GOVT. RECOGNISED, KARNATAKA	SEP. 29, 2024

16. MAJOR ASSIGNMENTS

S. No.	MAJOR ASSIGNMENTS	INSTITUTION	DATE/ PERIOD	TOPIC & POSITION
1.	RESOURCE PERSON	ARULANANDAR COLLEGE, DEPT. OF IT & M, NATIONAL CONFERENCE ON INNOVATIVE TRENDS IN COMPUTING	25.02.2015	ROLE OF INFORMATION TECHNOLOGY IN BUSINESS – RESOURCE PERSON
2.	RESOURCE PERSON	QUIZ CLUB, FATIMA COLLEGE, MADURAI	18.12.2015	QUIZ MASTER
3.	RESOURCE PERSON	FACULTY INDUCTION PROGRAMME, FATIMA COLLEGE	11.11.2016	TEAM BUILDING – A LEADERSHIP STRATEGY, LECTURE DELIVERED.
4.	RESOURCE PERSON	FACULTY INDUCTION PROGRAMME, FATIMA COLLEGE	21.12.2016	TEAM BUILDING – A LEADERSHIP STRATEGY, LECTURE DELIVERED.
5.	RESOURCE PERSON	CAPACITY BUILDING PROGRAMME FOR HELPERS, FATIMA COLLEGE	06.02.2017	TIME MANAGEMENT
6.	RESOURCE PERSON	Visionary Research Academy Bengaluru	23.12.2023 27.12.2024	Crafting a Research Masterpiece Methodology Unleashed

S. No.	MAJOR ASSIGNMENTS	INSTITUTION	DATE/ PERIOD	TOPIC & POSITION

6.	Resource Person	Fatima College, Orientation for Newly Appointed Staff	21.06.2017	Team Building
7.	Resource Person	Placement Cell, Fatima College, Madurai	19.02.2018	Career Opportunities for UG Students
8.	Resource Person	Madurai Management Association	21.02.2015	National Management Day Celebration
9.	Resource Person	Capacity Building Programme for Non-Teaching Staff, Fatima College, Madurai	19.07.2018 & 26.07.2018	Seven Steps for Successful Life
10.	Resource Person	Capacity Building Programme for Non-Teaching Staff, Fatima College, Madurai	26.07.2018	Seven Steps for Successful Life

NAME:DR.N.ASHA
POSITION :ASSISTANT PROFESSOR
FACULTY OF : MANAGEMENT STUDIES
PHONE/MOBILE :8122884019
EMAIL ID :ashavetrickarthick@gmail.com
DATE OF BIRTH :07.04.1985
LANGUAGES PROFICIENCY
READ : TAMIL, ENGLISH& HINDI
WRITE : TAMIL& ENGLISH
SPEAK : TAMIL& ENGLISH

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING	PERCENTAGE	POSITION
1.	UG	BUSINESS ADMINISTRATION (BBA)	N. S. COLLEGE, THENI	2005	80.64%	MADURAI KAMARAJ UNIVERSITY 2ND RANK
2.	PG	MANAGEMENT	FATIMA COLLEGE, MADURAI	2007	9.2/10	OVERALL PROFICIENCY IN ALL SEMESTERS
3.		COMMERCE (M.COM.)	MADURAI KAMARAJ UNIVERSITY, MADURAI	2016	83%	MADURAI KAMARAJ UNIVERSITY 1ST RANK
4.	M.PHIL.	MANAGEMENT	PERIYAR UNIVERSITY	2008	77.5%	FIRST CLASS
5.	SET	MANAGEMENT	-	AUG 2009	-	QUALIFIED
6.	NET	MANAGEMENT	-	JUNE 2012	-	QUALIFIED
7.	PH.D.	MANAGEMENT	MADURAI KAMARAJ UNIVERSITY, MADURAI	SEPTEMBER 2020	-	AWARDED
8.	CERTIFICATE IN BASIC COUNSELING AND PSYCHOTHERAPY SKILLS (CBCPS)	INDUSTRIAL PSYCHOLOGY AND COUNSELING	THE VALLIAMMAL INSTITUTION (TVI), MADURAI	MAR. 2015	-	FIRST CLASS

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO (PERIOD)
1.	ASSISTANT PROFESSOR, FATIMA COLLEGE (AUTONOMOUS), MADURAI	2007 -TILL DATE

3. POSITION HELD IN FATIMA

S. No.	Name of the Position	Duration
1.	E-Content Cell Member	2012 - Till Date
2.	IQAC – Extended Committee Member	2013 - Till Date
3.	Students Counsellor	2013 - Till Date
4.	Staff Secretary	2018 - 2019
5.	Executive Member, Fatima College Alumnae Association (FCAA)	2017 - Till Date

4. Position Held Outside

S. No.	Name of the Position	Name of the Institution	Duration
1.	External Examiner	RL Institute of Management Studies, Madurai	Mar. 2013 - Till Date
2.	External Examiner	Meenakshi College (Autonomous), Madurai	Mar. 2015 - Till Date
3.	External Examiner	KalasalingamUniversity, Krishnankoil	Dec. 2016 - Till Date
4.	External Examiner	Lady Doak College, Madurai	Apr. 2017 - Till Date
5.	External Examiner	Sourastra College, Madurai	Apr. 2017 - Till Date
6.	External Examiner	Dhanalakshmi Srinivasan College of arts and science	Nov.2019 – till date
7.	External Expert	Research Advisory Committee (Doctoral Committee), Madurai Kamaraj University, Madurai	2021 – till date
8.	Academic Counsellor	Indira Gandhi National Open University (ignou)	Feb 5, 2023 – till date
9.	external expert in the interview panel	Arul Anandar College (Autonomous), Karumathur	13.04.2023
10.	ADVISORY COMMITTEE MEMBER – Two Days International Conference	Nadar saraswathi college of arts and science, Theni	27.01.2024 & 29.01.2024

5. Areas of Specialization

- **Finance and Marketing**

6. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Out-Bound Training Programme	Psycho Spiritual Integration	Fatima College (Autonomous), Madurai	Feb. 05 &06, 2014
2.	Residential Training Programme	Basic Counseling And Psychotheraphy Skills	IGINP And CESCI, Majagram, Madurai	Dec.06 &07, 2014

3.	Out-Bound Training Programme	Psycho Spiritual Integration	Fatima College (Autonomous), Madurai	Sep. 10 & 11, 2015
4.	Faculty Development Programme	Research Orientation & Philosophy: Challenges And Way Forward	Thiagarajar School Of Management (TSM), Madurai	Aug. 13, 2016
5.	Faculty Development Programme	ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE	Madurai Kamaraj University, Madurai	Nov. 21 to 23, 2019
6.	Faculty Development Programme	Institutions & Entrepreneurial ecosystem	AyyaNadarJanakiAmmal College, Sivakasi	Sept. 22 to 24, 2021
7.	5 Days Online Faculty Development Programme	Inculcating Universal Human Values in Technical Education	All India Council for Technical Education(AICTE), Newdelhi	Dec. 6 to 10, 2021
8.	NATIONAL LEVEL PROFESSIONAL DEVELOPMENT PROGRAMME	RESEARCH METHODOLOGY AND DATA ANALYSIS	SESHADRIPURAM ACADEMY OF BUSINESS STUDIES, Bengaluru	August 09,2023 to August 19,2023

7. National/International Seminar, Workshop, Conference &Symposium

S. No.	Programme& Theme	Organized by	Date	Participated / Presented	Title of the Paper
1.	International Conference on"Paradigm Shift in Contemporary Management Education"	Fatima College, Madurai	Jan.11 & 12, 2010	Presented	EFFECTIVETEACHING STRATEGIES
2.	NATIONAL CONFERENCE ON " MANAGING THE FUTURE"	SOURASTRA COLLEGE, MADURAI	FEB 26, 2010	Presented	A STUDY ON FINANCIAL SERVICES PROVIDED BY VARIOUS COMPANIES IN INDIA
3.	National Conference on "Green Business : Opportunities and challenges"	Kodaikanal Christian College (autonomous), Kodaikanal	Sept 23, 2010	Presented	Green Business – Fiscal Environmentalism
4.	State level Seminar on "Impact of Global Meltdown in Indian Economy"	NadarSaraswathy College, Theni	Oct. 09, 2010	Presented	Global Meltdown in Banking Sector
5.	INTERNATIONAL CONFERENCE ON "CONTEMPORARY EMERGING TRENDS IN MANAGEMENT"	ANNA UNIVERSITY OF TECHNOLOGY, MADURAI	FEB 13 & 14, 2012	Presented	A PARADIGM SHIFT IN MANAGEMENT PRACTICES
6.	TRAINING CUM PRODUCTION WORKSHOP ON "E-CONTENT DEVELOPMENT"	BHARADHIDASAN UNIVERSITY, TIRUCHIRAPPALLI	APR 16 TO 20, 2012	PARTICIPATED	-
7.	OUT BOUND PRE-PLACEMENT TRAINING WORKSHOP	INDIAN INSTITUTE OF TRAINING AND DEVELOPMENT	JAN 18 & 19, 2013	Participated	-
8.	UGC Sponsored Two-Day National Conference On "National Paradigm For Corporate Sustenance – 3Ps (Planet, People And Profit	Govt. of Puducherry, Post Graduate & Research Department Of Corporate	July 25& 26, 2014	Presented	A Research on Channel Members Preference Towards "E-SCM – A Sustainability for Business" in Madurai District

	Management)"	Secretaryship, Bharathidasan Govt. College For Women (Autonomous), Puducherry In Collaboration with SIRC Of ICSI, Chennai			
9.	International Conference on "Social Media For Service Sector	Fatima college, Madurai	Aug. 20 & 21, 2014	Presented	Role of ERP in social media
10.	National Seminar on "New Dimensions of Management in The Globalized Era"	Madurai Kamaraj University, Madurai	Jan. 29 & 30, 2015	Presented	Investment Attitude on Green Business Practices in Supply Chain Management
11.	International Conference on "Innovative HR Practices in Corporate World"	Department of management, rathinam college of arts and science, coimbatore	Aug. 19, 2015	Presented	Green Business Practices in MSES – Simplified General Reflection
12.	National Conference on "Indian World-Class Manufacturing – The Road Ahead"	Fatima college, Madurai	Oct. 01, 2015	Presented	Green Business practices in India
13.	UGC Sponsored One day National Seminar on "Current scenario in Business Management and Technology: A Growth pole for promoting rural enterprises (NSCSBMT – 2015)"	The Gandhigram Rural Institute - Deemed University, Gandhigram	Dec. 09, 2015	Presented	Micro and Small enterprises preference about green business practices with special reference to Tamilnadu
14.	One-Day state level workshop on "Appropriate statistical tests in Hypothesis Testing"	Madurai Institute of Social Sciences, Madurai	Feb. 04, 2016	Participated	-
15.	One –day seminar on "Implications of New educational policy : a disclosure"	IQAC, Fatima College, Madurai	Aug. 10, 2016	Participated	-
16.	Two-Day International Conference on "Managing Disaster – A Strategic Perspective"	Fatima college, Madurai	Sep. 29 & 30, 2016	Presented	Green Technology During disasters
17.	UGC SPONSORED NATIONAL SEMINAR ON "TOTAL QUALITY MANAGEMENT IN HIGHER EDUCATION"	SRI MEENAKSHI GOVERNMENT ARTS COLLEGE FOR WOMEN, MADURAI	FEB 23 & 24, 2017	Presented	GREEN LEADERSHIP IN HIGHER EDUCATION
18.	NATIONAL CONFERENCE ON "RESILIENCE, RESISTANCE AND IDENTITY OF WOMEN IN A CHANGING WORLD"	NMS SVN COLLEGE, MADURAI	MAR 8, 2017	PRESENTED	INNER PEACE AND STRESS MANAGEMENT THROUGH YOGA
19.	Symposium on "Enhancing Research Skills"	Fatima college, Madurai	Dec. 12, 2017	Organised	-
20.	NATIONAL CONFERENCE ON "SOCIAL ISSUES: CHANGES AND CHALLENGES (INTERDISCIPLINARY VIEW)	CENTRE FOR RESOURCE, RESEARCH AND PUBLICATION SERVICES(CRRPS)	JAN 25, 2018	PRESENTED	A STUDY ON EFFECTIVENESS OF YOGIC PRACTICES ON STRESS MANAGEMENT OF WOMEN WITH SPECIAL REFERENCE TO TAMILNADU

21.	International conference on "Digital marketing – a global perspective"	Fatima College, Madurai	Aug. 10, 2018	Presented	Green Technologies For Digital Marketing – A Simplified Reflexions
22.	Symposium on "Exploring Import and Export business opportunities"	Fatima College, Madurai	Sep. 18, 2018	Participated	-
23.	Workshop on "Corporate Grooming"	Fatima College (autonomous), Madurai	Oct.08, 2018	Participated	-
24.	INTERNATIONAL CONFERENCE ON "MANAGEMENT IN DIGITAL ERA"	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE	DEC 20, 2018	PRESENTED	A RESEARCH ON CHANNEL MEMBERS PREFERENCE TOWARDS GREEN TECHNOLOGY – A SUSTAINABILITY FOR BUSINESS
25.	ONE DAY WORKSHOP ON "ENHANCING EMOTIONAL INTELLIGENCE"	FATIMA COLLEWGE (AUTONOMOUS), MADURAI	FEB 07, 2019	PARTICIPATED	-
26.	National Conference on Business Analytics- A Road Map To Innovative Entrepreneurship	Dept.ofManagementStudiesFatima College, Madurai	Sep. 06, 2019	Presented	Green Business in Entrepreneurship
27.	Workshop on "360 Degree Career Development"	Dept.ofManagementStudiesFatima College, Madurai	Sep. 18, 2019	Participated	-
28.	TWO DAY INTERNATIONAL CONFERENCE ON "ADVANCES IN BUSINESS MANAGEMENT, ENTREPRENEURSHIP AND INCLUSIVE GROWTH"	JJ COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), PUDUKOTTAI	DEC 18 & 19, 2019	Presented	A STUDY ON EMPLOYEES ATTITUDE TOWARDS WORK LIFE BALANCE WITH SPECIAL REFERENCE TO MICRO ENTERPRISES, MADURAI
29.	National Seminar on "Inspirational Leadership for Higher Educational Institutions in India in the 21st Century"	Xavier Boardof Higher Education in India(Tamilnadu region),Fatima College, Madurai St.Joseph's College, Tirchi	Feb 25, 2020	Participated	-
30.	National level Online Workshop on "Human Values and Ethics in Social Media - A Digital Perspective"	Dept.ofManagementStudiesFatima College, Madurai	Jul. 17, 2020 – Jul. 21, 2020	Participated	-
31.	National Webinar on "Forgiveness in Politics"	Centre for Gandhian Studies, University of Kerala, Thiruvananthapuram	June 18, 2021	Participated	-
32.	International Webinar on "Management of Forex"	Department of Economics, Rosary College of commerce and arts, Goa	Sept 28, 2021	Participated	-
33.	one day national level webinar on "Multicultralism In LitraryGeners"	organized by "Department of English and IQAC, YEWS National Senior College Nashik	Oct 14, 2021	Participated	-

34.	One day national webinar on" Cyber security & Data Protection"	Organised by department of Economics of F. A. Ahmed College, Garoimari, Assam	Oct 15, 2021	Participated	-
35.	National Webinar on "Digital Sakthi 3.0"	Organised by National Commission for Women, Facebook, CyberPeace Foundation and AutobotInfosec.Jhark and	Oct 25, 2021	Participated	-
36.	Two Days Online Workshop On "EMPOWERING RURAL CONSUMERS"	PG & Research Department of Commerce, Periyar E.V.R. College, Tiruchirappalli	Nov 19 – 20, 2021	Participated	-
37.	Webinar on "An Overview of Intellectual Property Rights "	organised by the School of Management and IQAC Nehru Arts and Science College, Coimbatore	Nov 26, 2021	Participated	-
38.	National Webinar on "Gandhi, Youth and Social Service"	Organised by Faculty of Gandhian Studies, Gujarat Vidyapith, Ahamedabad	Nov 28, 2021	Participated	-
39.	National Webinar on "GST in India"	Organised by ShriVaishnav college of commerce, Indore	Jan 4, 2022	Participated	-
40	International Webinar on " Curriculum Management "	Organised by Encore the voice of Academicians Campaign, India	Feb 16, 2022	Participated	-
41	International webinar on " An Overview of Business ethics"	Organised by Sri Parasakthi college for women, Coutrallam and MSN College for women, Poovandhi	March 17, 2022	Participated	-
42	National Multidisciplinary E-Conference on 'Challenges and Changing Role of Business and Industry during New Normal'	organized by Laxmichand Golwala College of Commerce and Economics, Ghatkopar in association with Board of Studies in Banking & Finance and Investment Management, University of Mumbai	April 9, 2022	Participated	-
43.	One Day NATIONAL MULTIDISCIPLINARY E-CONFERENCE ON 'CHALLENGES	Organised by Ramji Assar Vidyalaya Trust's LAXMICHAND	April 9, 2022	Presented	A Study on "Application of E-CRM in Retail Banking"

	AND CHANGING ROLE OF BUSINESS AND INDUSTRY DURING NEW NORMAL'	GOLWALA COLLEGE OF COMMERCE AND ECONOMICS, GHATKOPAR			
44.	National Webinar on "We Think Digital – Digital Shakthi 3.0"	Organised by We Think Digital, Mumbai	May 13, 2022	Participated	-
45.	Two days national virtual research development programme on "Ethical norms of research writing and publication : scopus indexed journals"	Organised by department of commerce (SF), VHNSN College, Virudunagar	May 16 & 17, 2022	Participated	-
46.	International Conference on "Business Intelligence"	ORGANISED BY THE DEPARTMENT OF COMMERCE, VLB Janakiammal College Of Arts And Science, Coimbatore	3RD JUNE 2022	Participated	-
47.	Global management and entrepreneurship summit AAROHAN 2023	Aarohan Skill tech university	23 – 29 march, 2023	Participated	-
48.	National Level Workshop on Social Entrepreneurship	Department of Commerce, SRM Institute of Science & Technology, Ramapuram Campus, Chennai	20.02.2023 to 25.02.2023	Participated	-
49.	One day seminar on "Pledge to meditate for world peace"	Ananda Dhara International , West Bengal	8th september 2023	Participated	-
50.	Symposium on "Enriching quantative apptitude Skills"	Fatima College (autonomous), Madurai	September 12, 2023	Organised	-
51.	Two Days National Level Webinar on " PREPAREDNESS TOWARDS IMPLEMENTATION OF NEP 2020"	J. K. College of Science and Commerce Ghansoli (Affiliated to University of Mumbai)	15th and 16th of September 2023	Participated	-
52.	National seminar on "Entrepreneurial Traits and Trends"	Research centre of commerce, fatima college (autonomous) Madurai	29 september, 2023	Presented	Green Manufacturing – A strategic pathway for innovation
53.	National Conference on "Industry 4.0-Navigating a changing landscape"	Department of MBA & MCA, Fatima College (autonomous), Madurai	6 October 2023	Presented	Green Financing in Digital Era
54.	National seminar on "Campus – Corporate – Community – Connect bridging the gap between research and application	R&D Cell and IPR Cell, FATIMA COLLEGE (AUTONOMOUS), MADURAI	18 october 2023	participated	-

55.	TWO DAYS INTERNATIONAL CONFERENCE ON "OPPORTUNITIES AND CHALLENGES IN BUSINESS MANAGEMENT '24"	DEPARTMENT OF MBA, NADAR SARASWATHI COLLEGE OF ARTS AND SCIENCE, THENI	27.01.2024 & 29.01.2024	PRESENTED	CONSUMERS' PERCEPTION TOWARDS MODERN RETAILING IN THE TAMILNADU STATE

8. ARTICLES PUBLISHED IN JOURNALS/MAGAZINES

S. NO.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH /YEAR	VOL. NO.	ISS. NO.	PAGE NO.	ISSN	PUBLISHER	IMPACT FACTOR
1.	BUSINESS PLUS	CONSUMER PREFERENCE TOWARDS E-BIKE	JAN. 2011	1	2	6	0976 - 2183	SRI KALLEESWARI COLLEGE	-
2.	SCIENTIFIC WORLD JOURNAL	CONCEPTUAL FRAMEWORK FOR THE MAPPING OF MANAGEMENT PROCESS WITH INFORMATION TECHNOLOGY IN A BUSINESS PROCESS	APR. 2015	2015	1	15	1537-744X	HINDAWAI PUBLISHING GROUP UNITED STATES OF AMERICA	1.24
3.	TSMBUSINESS REVIEW	FACTORS INFLUENCING THE INDIAN PUBLISHING INDUSTRY TOWARDS MAKING INVESTMENTS IN GREEN ERP PRACTICES	JUNE 2015	3	1	4 - 6	2348 - 3784	THIYAGARAJAR SCHOOL OF MANAGEMENT, MADURAI	-
4.	TSM BUSINESS REVIEW	A RESEARCH ON EXAMINING CRITICAL SUCCESS FACTORS TOWARDS THE APPLICATION OF GREEN TECHNOLOGY IN RURAL BUSINESS BY RURAL PEOPLE IN MADURAI DISTRICT	DEC. 2016	4	2	8	2348 - 3784	THIYAGARAJAR SCHOOL OF MANAGEMENT, MADURAI.	-
5.	SVNC RESEARCH JOURNAL	INNER PEACE AND STRESS MANAGEMENT THROUGH YOGA WITH SPECIAL REFERENCE TO STUDY ON HYPOTHYROIDISM WOMEN IN MADURAI	MARCH 2017	12	-	256	0976-2949	WOMEM'S CELL, NMS SVN COLLEGE, MADURAI	-
6.	BODHI INTERNATIONAL JOURNAL OF RESEARCH IN HUMANITIES, ARTS AND SCIENCE	A STUDY ON EFFECTIVENESS OF YOGIC PRACTICES ON STRESS MANAGEMENT OF WOMEN WITH SPECIAL REFERENCE TO TAMILNADU	JAN 2018	2	3	7	2456-5571	CENTRE FOR RESOURCE, RESEARCH AND PUBLICATION SERVICES	1.014
7.	FACET	A STUDY ON OPTIMAL PORTFOLIO CONSTRUCTION USING SHARPE'S INDEX MODEL	DEC 2018	9	-	127	0975-6973	FATIMA COLLEGE (AUTONOMOUS), MADURAI	-
8.	INTERNATIONAL JOURNAL OF YOGIC, HUMAN MOVEMENT AND SPORTS SCIENCES	NON-VIOLENT LIFESTYLE : GANDHIAN TENETS IN PATANJALI'S YOGIC OBSERVANCES	JAN. - JUN. 2019	4	1	56-58	2456-4419	AKINIK PUBLICATIONS DELHI	5.18
9.	PARISHODH JOURNAL	A STUDY ON EMPLOYEE'S ATTITUDE TOWARDS WORK LIFE BALANCE WITH SPECIAL REFERENCE TO MICROENTERPRISES, MADURAI	FEB 2020	IX	II	2003-2007	2347-6648	PUNJAB UNIVERSITY	6.3

10.	International Journal of All Research Education and Scientific Methods (IJARESM)	A Study on the Impact of Covid-19 Pandemic in the Buying Behaviour of Customers in Ayarpadi Silk Palace	March 2021	9	3	192 - 195	2455-6211	Maharashtra College of Arts, Commerce & Science, Mumbai	7.429
11.	ShodhaPrabha	NAI TALIM – A GANDHIAN PEDAGOGICAL PRINCIPLE FOR SUSTAINABLE DEVELOPMENTANDGLOBAL CITIZENSHIP EDUCATION (GECD)	2023	48	1	-	0974-8946	UGC Care Approved, Group I, Peer Reviewed and Referred Journal	-
12.	Asiatic Society of Mumbai	THE ROAD TO THE CULTURE OF NON VIOLENCE	2023	XCVIX	3	-	0972-0766	UGC Care Approved, Group I, Peer Reviewed and Referred Journal	-

9. Chapters Published in Books

S. No.	Book Name	Title of the Chapter	Year	Page No.	ISBN	Publisher
1.	Social Media for Service Sector	Social Media Interlinked with ERP for Financial Services	2014	18	978-1-63315-205-2	World Literature Books And Publishers Private Limited, Madurai
2.	Indian World-Class Manufacturing – The Road Ahead	Green Business Practices in India	2015	192	978-81-93023-488	World Literature Books And Publishers Private Limited, Madurai
3.	New Dimensions of Management in the Globalized Era	Investment Attitude on Green Business Practices in Supply Chain Management	2015	312	978-93-80657-40-0	Shanlax Publications, Madurai
4.	Managing Disaster – A strategic perspective	Green technology during disasters	2016	230	978-8-1930-234-26	World Literature Books And Publishers Private Limited, Madurai
5.	Total quality management in higher education	Green leadership in higher education	2017	46	978-81-933316-8-2	Shanlax Publications, Madurai
6.	Digital Marketing – global perspective	Green Technologies for Digital Marketing – A Simplified Reflexions	2018	20	978-93-87871-67-0	Shanlax Publications, Madurai
7.	Management in Digital Era	A Research on channel members preference towards "green technology – A sustainability for Business" in madurai district	2018	145	978-93-86782-60-1	L ordinenuovo publication, coimbatore
8.	Innovations in Management Practices: Bridging Theory and Practice	Analysing the Impact of Factors Influencing Micro and Macro Environment on Green Business Practices in Micro	2023	1-21	978-81-19567-13-3	Eureka Publications, Phillipines

		AND SMALL ENTERPRISES				
9.	INTERNATIONAL CONFERENCE PROCEEDINGS	CONSUMERS' PERCEPTION TOWARDS MODERN RETAILING IN THE TAMILNADU STATE	2024	12-17	978-81-969406-2-1	NADAR SARASWATHI COLLEGE OF ARTS AND SCIENCE, THENI

10. EDITED BOOKS

S. NO.	BOOK NAME	YEAR	PUBLISHER	ISBN
1.	INTERNATIONAL CONFERENCE PROCEEDINGS ON "SOCIAL MEDIA IN SERVICE SECTOR"	2014	WBC PVT. LTD.	97-81-63315-205-2
2.	INDIAN WORLD-CLASS MANUFACTURING – THE ROAD AHEAD	2015	WORLD LITERATURE BOOKS AND PUBLISHERS PRIVATE LIMITED, MADURAI	978-81-93023-488
3.	MANAGING DISASTER – A STRATEGIC PERSPECTIVE	2016	WORLD LITERATURE BOOKS AND PUBLISHERS PRIVATE LIMITED, MADURAI	978-8-1930-234-26
4.	DIGITAL MARKETING – A GLOBAL PERSPECTIVE	2018	SHANLAX PUBLICATIONS, MADURAI	978-93-87871-67-0
5.	CONCEPTUAL FRAMEWORK OF HOLISTIC HEALTH IN GANDHIAN PERSPECTIVE: GANDHI'S WRITINGS ON GENERAL KNOWLEDGE ABOUT HEALTH	2021	WORLD LITERATURE BOOKS AND PUBLISHERS PRIVATE LIMITED, MADURAI	ASIN : B09KQ13T36

11. BOOKS PUBLISHED

S. NO.	BOOK NAME	YEAR	PUBLISHER	ISBN
1.	GREEN MANAGEMENT	2014	WORLD LITERATURE BOOKS AND PUBLISHERS PRIVATE LIMITED, MADURAI	978-81-930234-9-5
2.	GANDHIAN MANAGEMENT	2016	WORLD LITERATURE BOOKS AND PUBLISHERS PRIVATE LIMITED, MADURAI	9788193023426

12. REVIEW ON BOOKS/JOURNALS

S. NO.	JOURNAL/BOOK NAME	AUTHOR	PUBLISHER	YEAR	DOI	PAGE NO. / CHAPTER
1.	ENTERPRISE INFORMATION SYSTEMS	DE-GAN ZHANG & WEN-BIN LI	TAYLOR AND FRANCIS, USA	JAN. 07, 2015	10.1080/17517575.2014.986221	ONLINE OPEN SOURCE DOCUMENT

13. LECTURES DELIVERED

S. NO.	PROGRAMME	THEME	ORGANIZED BY	DATE
1.	ONE-DAY SPECIAL LECTURE	SUPPLY CHAIN MANAGEMENT – GREEN INITIATIVES	DEPARTMENT OF COMMERCE, MADURAI SIVAKASINADARS PIONEER MEENAKSHI WOMEN'S COLLEGE, POOVANTHI	FEB.02, 2016
2.	GUEST LECTURE	ENHANCING ENTREPRENEURIAL SKILLS	DEPARTMENT OF COMMERCE, MADURAI SIVAKASINADARS PIONEER MEENAKSHI WOMEN'S COLLEGE, POOVANTHI	DEC. 20, 2017

3.	GUEST LECTURE	Innovative techniques in green advertising	Department of Business administration, Mangayarkarasi College of Arts and Science College for women, Madurai	June 28, 2018
4.	GUEST LECTURE	Green Marketing Initiatives and Techniques	Department of Business administration, Meenakshi college for women, Madurai	Feb. 29, 2020

14. Consultancy/ Radio Talk/TV Shows

S. No.	Consultant / Radio Talk /TV Shows	Consultancy (on/for) / Themes	Institution / Organisation	Date
1.	Consultancy (Faculty Internship)	Expansion of Customer Base	ICICI Prudential,Madurai	Dec.14 - 19, 2009
2.	Consultancy (Faculty Internship)	Business Expansion &Demat Account Maintenance	Adithya Trading Solutions, Madurai	DEC. 13 - 19, 2010
3.	Consultancy (Faculty Internship)	Manpower Planning, Recruitment and Training	Bliss Management Services Pvt. Ltd., Madurai	Jan. 09 - 14, 2011
4.	Consultancy (Faculty Internship)	Auditing and Controlling of Financial assets	G.A.S.Associates, Madurai	Dec.09 - 14, 2012
5.	Consultancy (Faculty Internship)	New Fund Formation & Client Management	Birla Sun Life Financial services Ltd.	Dec.05 - 11, 2013
6.	Consultancy (Faculty Internship)	Impact of New Canvas on Textile Industry	Sreni Textiles, Madurai	Dec.11 -20, 2014
7.	Consultancy (Faculty Internship)	Foreign Currency Trading	Karvy Consultants, Madurai	Dec. 14 - 19, 2015
8.	Consultancy (Faculty Internship)	Impact Of Demonetization On Financial Information System	Advanced ERP Solutions, Madurai	Nov. 28 - Dec. 03, 2016
9.	Consultancy (Faculty Internship)	Employee Management And Inventory Management	Aakash Construction, Madurai	Dec. 11-16, 2017
10.	Consultancy (Faculty Internship)	Export Documentation	ESSAAAR Panels, Karur	Nov. 26 - Dec. 02, 2018
11.	radio talk	social intelligence	ALL INDIA RADIO FM RAINBOW MADURAI "ILLAIYOR ULAGAM"	13.02.2024
12.	radio talk	Green Business	ALL INDIA RADIO FM RAINBOW MADURAI "ILLAIYOR ULAGAM"	20.02.2024

15. Awards/Achievements/Honours

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	University 2ND Rank	UG - Bachelor of Business Administration (BBA)	Madurai Kamaraj University, Madurai	2005
2.	Overall Proficiency	PG - Master of Business Administration	Fatima College (Autonomous), Madurai	2007
3.	University 1ST Rank	PG (Distance Learning Programme) – Commerce (M.Com.)	Madurai Kamaraj University Distance Education, Madurai	2016

17. Major Assignments

S.No.	Major Assignments	Institution	Date/ Period	Topic & Position
1.	Resource Person	ORGANISED BY SRI PARASAKTHI COLLEGE FOR WOMEN, COUTRALLAM AND MSN COLLEGE FOR WOMEN, POOVANDHI	March 17, 2022	INTERNATIONAL WEBINAR ON " AN OVERVIEW OF BUSINESS ETHICS"
2.	Resource Person	Organised by Subbalakshmi Lakshmipathy College of Arts and Science, Madurai	May 27, 2022	National WebinaR on "Intellectual Property Rights"
3.	Resource Person	WOMEN EMPOWERMENT CELL, Fatima College (Autonomous) Madurai	19.01.2023	*WORKSHOP ON* LIFE SKILL MANAGEMENT
4..	Resource Person	organised by Jyoti Nivas College Autonomous Bengaluru	Feb 8, 2023	National Workshop on Intellectual Property Rights and Entrepreneurship Development
5.	Resource Person	Nadar saraswathi college of arts and science, Theni	13.09.2023	One day national level seminar on Intellectual property rights
6.	RESOURCE PERSON	Arul Anandar College (autonomous), Karumathur	13.03.2024	Rev.Fr.Dr.N.Casmirraj sj endowment workshop on "Digital Marketing"

NAME : DR. L. MEENA
POSITION : ASSISTANT PROFESSOR
FACULTY OF : MANAGEMENT STUDIES
PHONE/MOBILE : 9944992904
EMAIL ID : meenamba04@gmail.com
DATE OF BIRTH : 04.05.1981
LANGUAGES PROFICIENCY
READ : TAMIL, ENGLISH & HINDI
WRITE : TAMIL, ENGLISH & HINDI
SPEAK : TAMIL, ENGLISH, TELUGU & HINDI

16. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	U.G.	BBA	THIAGARAJAR ARTS COLLEGE, MADURAI	2003
2.	P.G.	MBA (FINANCE)	MADURAI KAMARAJ UNIVERSITY, MADURAI	2005
3.	M.PHIL.	MANAGEMENT	PRIST UNIVERSITY, THANJAVUR	2010
4.	SET	MANAGEMENT	BHARATHIAR UNIVERSITY, COIMBATORE	2011
5.	NET	MANAGEMENT	UGC	2012
6.	PH.D.	MANAGEMENT	MADURAI KAMARAJ UNIVERSITY, MADURAI	JULY 2017

17. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	ASSISTANT PROFESSOR, FATIMA COLLEGE, MADURAI	JUNE 2009 - TILL DATE
2.	MADURAI KAMARAJ UNIVERSITY (MBA EVENING PROGRAMME)	2011 – 2013
3.	VISITING FACULTY, FATIMA COLLEGE, MADURAI	MARCH 2009

18. POSITION HELD IN FATIMA

S. NO.	NAME OF THE POSITION	DURATION
1.	QUALITY CIRCLE FACILITATOR	2009 - 2010
2.	FACULTY IN-CHARGE FOR DRIVING	2011 - 2012
3.	RESEARCH GUIDE (UNDER RESEARCH CELL)	2015 – 2021

4.	IQAC Member	2018 – Till Date
5.	EXPERT MEMBER, FATIMA RESOURCE TEAM	2018 – till date
6.	COORDINATOR – YUVA	2018 – till date
7.	STAFF SECRETARY	2022 – TILL DATE
8.	COORDINATOR – B.COM HONOURS (ACCA)	May 2024 – Till Date

19. Position Held Outside

S. No.	Name of the Position	Name of the Institution	Duration
1.	Executive Member	TCA Alumni Association, Thiagarajar College, Madurai	2015 – Till Date
2.	Alumni Coordinator	TCA BBA Alumni Cell, BBA department, Thiagarajar College, Madurai	2015 – Till Date
3.	External Examiner	Thigarajar College (Autonomous), Madurai	2015 – Till Date
4.	External Examiner	SVN College, Madurai	2015 – Till Date
5.	External Examiner	Sri Kaliswari College, Madurai	2015 – Till Date
6.	External Examiner	Kalasalingam University, Madurai	2015 – Till Date
7.	External Examiner	The American College, Madurai	2016 – Till Date
8.	External member	SFR college, Sivakasi	2017 – Till date
9.	Subject Expert, Board of Studies	Thigarajar College (Autonomous), Madurai	2018 – 2019
10.	Expert Member – Validation of Course Syllabus	GTN arts college, dindigul	march 2020

20. Areas of Specialization

- **Finance – Investment Management**

21. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized by	Date
1.	Orientation Programme	Entrepreneurship Awareness Camp on Non-Conventional Energy Sources	Department of Non-Conventional Energy Sources, Centre for Entrepreneurship Development (Tamilnadu) (CED)	Mar.05,2003
2.	Faculty Development Programme	New Methods of Management Teaching	Directorate of Distance Education Management Wing, Annamalai University	Jan. 27, 2011
3.	Faculty Development Programme	Empowering Growth of Women Entrepreneurs in SMES	Madras Management Association & Madurai Management Association with The Support of Konrad-Adenauer-Shifting	Nov. 19, 2011
4.	Faculty	Students Counseling &	Department of Management Studies, Fatima	Mar. 19, 2012

	Development Programme	Guidance	College (Autonomous), Madurai	
5.	Out-Bound Training Programme	Psycho Spiritual Integration	Fatima College (Autonomous), Madurai	Feb. 05 & 06, 2014
6.	Faculty Development Programme	Statistical Training Programme (Basic & Advanced Level)	IQAC, Fatima College (Autonomous), Madurai	Nov.04 – 07, 2013
7.	Faculty Development Programme	Statistical Training Programme (Advanced Level)	IQAC, Fatima College (Autonomous), Madurai	Jan.20 – 22, 2014
8.	Out-Bound Training Programme	Psycho Spiritual Integration	Fatima College (Autonomous), Madurai	Mar. 10 & 11, 2015
9.	Faculty Development Programme	UllathuSirathal	Sangam 4 & MADITSSIA, Madurai	Aug. 18, 2016
10.	one-day workshop	enhancing emotional intelligence	IQAC, Fatima College (Autonomous), Madurai	February 7, 2019
11.	one-day workshop	global ranking of universities; present scenario	IQAC, MADURAI KAMARAJ UNIVERSITY, MADURAI	March 22, 2019
12	Faculty Development Programme (4-Week)	Cognition, Transformation and Lives	NPTEL – AICTE, MINISTRY OF HRD, GOVT. OF INDIA	July – August, 2019
13	Faculty Development Programme (12-Week)	Training of Trainers	NPTEL – AICTE, MINISTRY OF HRD, GOVT. OF INDIA	July – October, 2019
14	Two Days National Level Faculty Development Programme	Skill Development	Department of Commerce (General), VELS University, Chennai	May 31 to June 1, 2020
15	One Week Online Faculty Development Programme (FDP)	Academic Excellence in Digital Teaching and Learning	Department of Management Studies, Directorate of Distance Education, Madurai Kamaraj University, Madurai	July 1 to 7, 2020
16	Three day online Faculty Development Programme	Scholarly Writings	IQAC & PG and Research Department of Commerce, Ayya Nadar Janaki Ammal College, Sivakasi	September 23, 2021
17	A Seven Day Online Faculty Development Programme	Enhancing Quality by Unearthing Innovative Practices – EQUIP 2022	IQAC, MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI, & IQAC, A.P.C. MAHALAXMI COLLEGE FOR WOMEN, THOOTHUKUDI	APRIL 18 TO 24, 2022
18	UGC Sponsored Webinar	NEP (National Education Policy) 2020: Global Outreach of Higher Education	Human Resource Development Centre (HRDC), Pondicherry University	July 26, 2022
19	UGC Sponsored Webinar	NEP (National Education Policy) 2020: Promotion of Indian Knowledge System	Human Resource Development Centre (HRDC), Pondicherry University	July 27, 2022
20	Three-Day Faculty Development	Emotional Intelligence	ICT Academy	September 22 –

	Programme			24, 2022
21	Three-Day Workshop	Augmented Reality	Faculty Of Education, Dr. M.G.R. Educational and Research Institute, Chennai	September 28 – 30, 2022
22	One-Day Faculty Development Programme (FDP)	Recent Trends in Industry, Research and Teaching Methodology	The Research Centre of Commerce, Fatima College (Autonomous), & Madurai Chapter of the Institute of Company Secretaries of India (ICSI)	March 22, 2023
23	National Level One-Week Online Faculty Development Programme (FDP)	Proactive Intelligence for Professional Excellence	Internal Quality Assurance Cell (IQAC), Fatima College (Autonomous)	April 10 – 15, 2023
24	Faculty Development Programme (12 weeks) (Funded by Ministry of Education, Government of India)	Educational Leadership	NPTEL – AICTE. Ministry of Education, Government of India	July – October 2023
25	National Level Seven-Day Professional Development Program for Higher Education Teachers	Professional Development Program for Higher Education Teachers	Internal Quality Assurance Cell (IQAC) & School of Commerce, Shri Shankarlal Sundarbai Shasun Jain College for Women in collaboration with Department of Business Administration (SF), Ayya Nadar Janaki Ammal College, Sivakasi	August 21 – 30, 2023
26	National Level Faculty Development Programme	Application of AI tools in education and research	Bala's V. V. Academy, Chennai (Registered Under MSME, Government of India)	August 27 – 29, 2023
27	One-Week Faculty Development Programme	From Research to Publication	PG & Research centre of Commerce, Adhiyaman Arts and Science College for Women, Salem	September 4 – 11, 2023
28	Online Lecture	Publishing Avenues for Researchers: Trends, Tools and Platforms	The Internal Quality Assurance Cell (IQAC) and Research and Development Cell, Tolani College of Commerce (Autonomous), Mumbai	September 9, 2023
29	Two-Day National Level Webinar	Preparedness towards implementation of NEP 2020	J.K. College of Science and Commerce, Ghansoli	September 15 – 16, 2023
30	Strategic Development Programme	Digital Transformation in Business World – A Well Worn Path for Driving and Scaling Digital Initiatives	S. A. College of Arts and Science, and Institute of Cost Accountants of India (ICMAI)	September 25 – 29, 2023
31	UGC Sponsored Webinar	Essentials of Report Writing using MS Word	UGC – Malaviya Mission Training Centre, Madurai Kamaraj University	February 24, 2024
32	Online Three-Day Faculty Development Programme	Citation & Reference Management for Scholarly Writing	IQAC, NSB, Bangalore in collaboration with Mendeley, Netherlands	February 26 – 28, 2024
33	UGC Sponsored Webinar	Research and Development	UGC – Malaviya Mission Training Centre, Madurai Kamaraj University	March 2, 2024

34	UGC Sponsored Webinar	Yoga for Life Skills	UGC – Malaviya Mission Training Centre, Madurai Kamaraj University	March 9, 2024
35	Seven-Day Professional Development Programme	Methods of Data Collection & Analysis Through SPSS & Using AI Technology for Research Writing	PG & Research Department of Commerce in association with IQAC, Patrician College of Arts & Science	March 18 – 26, 2024
36	Two-Day Faculty Development Programme	Modern Management Perspectives	Department of Business Administration (SF), Ayya Nadar Janaki Ammal College, Sivakasi	March 27 – 28, 2024
37	Seven-Day International Faculty Development Program	Advance Techniques in Research Methodology	PG & Research Department of Commerce (SHIFT I) in association with IQAC, Patrician College of Arts & Science	April 9 – 16, 2024
38	FDP Course	Ethics Model of Excellence Framework (EMEF)	PG and Research Department of Commerce, Rani Anna Government College for Women, Tirunelveli & Globethics, South Asia Centre, Bangalore	April 23 – 30, 2024
39	Online Programme	NEP 2020 Orientation & Sensitisation Programme Under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	Malaviya Mission Teacher Training Centre, Madurai Kamaraj University	May 20 – 28, 2024
40	International Online Faculty Development Programme	Embracing Sustainability as Opportunity	Department of Pedagogical Sciences, Tamilnadu Teachers Education University & Academic Staff College & Faculty of Education, Dr. M.G.R. Educational and Research Institute, Chennai	June 03 – 07, 2024
41	National Webinar	Financial Empowerment Through Wealth Creation	Centre for Distance and Online Education, B.S. Abdur Rahman Crescent Institute of Science & Technology in collaboration with the Association of Mutual Funds of India (AMFI)	June 4, 2024

22. National/International Seminar, Workshop, Conference &Symposium

S. No.	Programmes	Organized by	Date	Participated / Presented	Title of the Paper
1.	Inter-Collegiate Seminar on "Strategic Management Tools"	Department of Management Studies, The American College, Madurai	Oct. 09, 2004	Participated	-
2.	Workshop on "Understanding & Handling Stress"	Top Kids, Madurai	Aug. 10& 11, 2009	Participated	-
3.	International Conference on "Paradigm Shift in Contemporary Management Education"	Department of Management Studies, Fatima College (Autonomous)	Jan.11& 12,2010	Presented	Enhancing Student Employment Through Academia-Industry Interface
4.	National Level Conference on "Managing The Future"	Department of Management Studies, Sourashtra College	Feb. 26, 2010	Presented	Challenges for Indian Companies in The Financial Services KPO Business

5.	National Level Seminar on "Scope and Opportunities in Service Sector"	Maditssia	June 30, 2010	Participated	-
6.	State Level Conference on "Impact of Global Recession on Indian Banking Sector"	Dept. of MBA NadarSaraswathi College of Arts and Science	Oct. 09, 2010	Presented	Impact of Global Recession on Banking Sector
7.	National Level Conference on "EMERGING Trends in Global Business"	RVSInstitute of Management Studies, RVS College of Engineering & Technology	Sep. 10, 2011	Presented (ISBN: 978–93–81537–00-8)	Global Practices in Indian Banking Industry
8.	National Conference on "Business & Professional Ethics – A 21ST Century Perspective"	Department of Management Studies, Fatima College (Autonomous), Madurai	Sep. 17, 2011	Presented	Ethical Investment – Balance Between Principles and Profits
9.	International Conference on "Emerging Trends in Management"	Department of Management Studies, Anna University of Technology, Madurai & Fatima Michael College of Engineering and Technology	Feb. 13 & 14, 2012	Presented (ISBN: 86058-073-1998)	Contemporary Trends in HRM in India – Practices Drawn From Ancient Tradition
10.	Paper Contest for Teaching Faculty of Management Studies on "Human Capital Management in The Challenging Business Scenario"	Madurai Management Association, Madurai	Feb. 21, 2012	Presented	A Study on Human Capital Valuation – An Analysis with Special Reference to Cash Management Service Companies in Madurai City
11.	National Conference on "Green Business – Powering Sustainable Development"	Department of Management Studies, Fatima College (Autonomous), Madurai	Sep. 15, 2012	Presented	Green Project Management – Viewing Projects Through an Environmental Lens
12.	International Summit on "Business Innovations"	Department of Management Studies, Fatima College (Autonomous), Madurai	Aug. 12 – 17, 2013	Presented	Paper Gold – Prospective Sign for Economic Growth
13.	Indian Council of Social Science Research (ICSSR) Sponsored National Conference on "Achieving Millennium Development Goals (MDG) – Challenges and Future"	School of Management Studies, Vel's University, Chennai	Mar. 13 & 14, 2014	Presented	Mutual Funds – A Way To Eradicate Poverty
14.	UGC Sponsored Two-Day National Conference on "National Paradigm for Corporate Sustenance – 3Ps (Planet, People and Profit Management)	Government of Puducherry, Post Graduate & Research Department of Corporate Secretaryship, Bharathidasan Government College for Women (Autonomous), Puducherry inColloboration With SIRC ofICSI, Chennai	July 25 & 26, 2014	Presented	Socially Responsible Investments – A Road to Investors' Satisfaction and Sustenance of Mutual Fund Industry
15.	Two-Day International Conference on "Social Media for Service Sector"	Departments ofMBA, MCA and PG.IT, Fatima College (Autonomous), Madurai	Aug. 20 & 21, 2014	Presented (ISBN: 978-1-63315-205-2)	Social Media Analytics – Enhancing Investor Awareness Towards Mutual Funds

16.	One-Day Workshop on "Teaching Human Values in Management"	Hi-Tech Arai Pvt. Ltd. &Spandan	Nov. 01, 2014	Participated	
17.	National Seminar on "New Dimensions of Management in The Globalized Era"	Department of Management Studies (DOMS), Madurai Kamaraj University	Jan. 29 & 30, 2015	Presented (ISBN: 978-93-80657-40-0)	A Study on Investors' Awareness Towards Mutual Funds in Madurai City
18.	UGC Sponsored National Seminar on "Impact of PDSon Poverty Reduction"	Centre for Youth Development and Studies, Bharathidasan University, Tiruchirappalli	Feb. 14, 2015	Presented	A Study on Customer Satisfaction Towards Government Food SubsidisationProgramme – With Special Reference To AmmaUnavagamin Madurai
19.	Second International Conference on "Digital Marketing (ICDM – 2015)	Thiagarajar School of Management, Madurai	Feb. 20, 2015	Presented (ISBN: 978-93-84743-33-8	Store and Online Grocery Shopping – A Customer Value Perspective
20.	4TH Youth Science Festival – YSF – 2015: Focal Theme: Let Us Discover Our Society	Tamilnadu Science Forum (TNSF) Hosted By B.S.Abdur Rahman University – Bsaru	Mar. 14 & 15, 2015	Guide Teacher	Regional Inequalities in Public Transport – Special Reference To Utchapatti Village, Madurai District
21.	Indian World-Class Manufacturing – The Road Ahead	Department of Management Studies, Fatima College (Autonomous), Madurai	Oct. 01, 2015	Presented (ISBN: 978-81-93023-488)	Mutual Fund Investments in Indian Manufacturing Industries
22.	UGC Sponsored One Day National Seminar on "Current Scenario in Business Management and Technology: A Growth Pole for Promoting Rural Enterprises (NSCSBMT – 2015)"	Department of Rural Industries and Management, The Gandhigram Rural Institute – Deemed University	Dec. 09, 2015	Presented	A Study on Investors' Perception Towards Mutual Fund Marketing Strategies in The Rural Market
23.	International Conference on "Bridging Urban-Rural Divide-Techno Management Perspective"	School of Management, Sastra University, Thanjavur	Feb. 26 & 27, 2016	Presented	Regional Disparities in Public Transport - A Study in Madurai District
24.	International Conference on "Managing Disaster – A Strategic Perspective"	Department of MBA and PGIT, Fatima Institute of Management, Fatima College (Autonomous), Madurai	Sep. 29 & 30, 2016	Presented (ISBN: 978-8-1930-234-26)	Financing Natural Disasters – Innovative Disaster-Linked Financial Instruments
25.	UGC Sponsored National Conference on "Goods and Services Tax"	Department of Commerce, V.H.N.S.N College, Virudhunagar	Jan. 19, 2017	Presented (ISBN: 978-93-81723-61-6	Impact of GST Implementation on Mutual Funds
26.	UGC Sponsored National Level Seminar on "Total Quality Management in Higher Education"	Department of Business Administration, Sri Meenakshi Govt. Arts College for Women (A)	Feb. 23 & 24, 2017	Presented (ISBN: 978-81-93331-8-2)	Role of Faculty Towards TQM and Quality Enhancement
27.	Two-Day International Conference on "National Development Through	School of Management, Sastra University, Thanjavur	Mar. 11, 2017	Presented	Public Awareness Towards India Innovation Lab for Green Finance

	Innovations in Management, Science & Technology (ICONDIMST 2017)"				
28.	International Conference on "Global Talent Management in The Digital Era"	Departments of MBA, MCA and M.Sc.(IT&M), Fatima Institute of Management, Fatima College (Autonomous)	Sep. 13, 2017	Presented	Asset Management Leadership Factory – Global Game Changing Scenario
29.	Symposium on "Gateway To Banking Career"	Department of Management Studies, Fatima College (Autonomous)	Oct. 04, 2017	Organized	-
30.	Symposium on "Roadmap To A Culture of Self Improvement"	Department of Management Studies, Fatima College (Autonomous)	Oct. 09, 2017	Participated	-
31.	Symposium on "Enhancing Research Skills"	Department of Management Studies, Fatima College (Autonomous)	Dec. 12, 2017	Participated	-
32.	UGC Sponsored International Conference on "Management – The Paradigm Shift in Turbulences"	Department of Business Administration, AyyaNadar Janaki Ammal (Anja) College, Sivakasi	June 25, 2018	Presented	Bespoke Portfolio Management – A Strategic Perspective
33.	International Conference on "Digital Marketing – A Global Perspective"	Department of Management Studies, Fatima Institute of Management, Fatima College (Autonomous)	Aug. 10, 2018	Presented	Digital Transformation in Mutual Fund Industry – Leveraging The Power of Social Media
34.	Symposium on "Exploring Import and Export Business Opportunities"	Department of Management Studies, Fatima Institute of Management, Fatima College (Autonomous)	Sep. 18, 2018	Participated	-
35.	Workshop on "Corporate Grooming"	Department of Management Studies, Fatima Institute of Management, Fatima College (Autonomous)	Oct.08, 2018	Participated	-
36.	International Conference on "Management in Digital Era"	School of Management, Sri Krishna College of Engineering and Technology	Dec. 20, 2018	Presented	Digital Renovation in Asset Management Industry – Leveraging The Supremacy of Social Media
37.	One-Day Faculty Development Workshop on "enhancing emotional intelligence"	IQAC, Fatima College (Autonomous), Madurai	Feb. 07, 2019	Participated	-
38.	International Conference on "Contemporary Issues & Futuristic Trends in Management"	Vijay Institute of Management	Feb. 19, 2019	Presented	Digital Native Retail Investors' Outlook Towards Bespoke Digital Transformation in Mutual Fund Industry
39.	One-Day Workshop on "Global Ranking of Universities; Present Scenario"	IQAC, Madurai Kamaraj University, Madurai	Mar. 22, 2019	Participated	-
40.	NAAC Sponsored National Seminar on "Disruptive Innovation in Higher	IQAC, Fatima College (Autonomous), Madurai	Aug. 30, 2019	Organised& Presented	Student-Centred Technology-Driven Learning Environment in

	Education Curriculum – Quality Enhancement of Digital Natives and Promoting Social Equity"				Higher Educational Institutions
41.	National Conference on "Business Analytics – A Roadmap To Innovative Entrepreneurship"	Departments of MBA & MCA, Fatima Institute of Management, Fatima College (Autonomous), Madurai	Sep.06, 2019	Presented	Disruptive Innovation for Entrepreneurs
42.	"E-Content Development Webinar"	Research Center for English Language and Literature at www.vishwanathbite.com	April 10, 2020	Participated	
43.	Four Days Webinar on "An Effective Research Paper Writing Skills"	Bhagwan Mahavir College of Commerce and Management Studies, Bhagwan Mahavir University, Surat	April 13 – 16, 2020	Participated	
44.	Two Days Online Refresher Course on "Education 4.0 – Future of Learning"	Department of Management Studies, Anand Institute of Higher Technology, Chennai	April 29 & 30, 2020	Participated	
45.	Online Quiz Competition on "Effective Teaching-2020"	Department of Computer Science and Information Technology, S.S. Duraisamy Nadar Mariammal College, Kovilpatti	May 3, 2020	Participated	
46.	"COVID-19 Online Awareness Quiz"	Department of Management Studies, Hindustan College of Engineering and Technology, Coimbatore	May 4 & 5, 2020	Participated	
47.	"E-Quiz on Teaching Aptitude"	IQAC and School of Commerce, Shri Shankarlal Sundarbai Shasun Jain college for Women, Chennai	May 31, 2020	Participated	
48.	Online National Webinar on "Impact of COVID-19 on Indian Stock Market"	PG and Research Department of Commerce, L.R.G Government Arts College for Women, Tirupur	June 4, 2020	Participated	
49.	Webinar on "Resetting Minds in Upsetting Times" – Faculty Enrichment Programme (FEP)	IQAC, Fatima College (Autonomous), Madurai	June 22. 2020	Participated	
50.	Webinar on "Celebrating Womanhood in Challenging Times"	IQAC, Fatima College (Autonomous), Madurai	June 26, 2020	Participated	
51.	Webinar on "Misinformation in Medicine: Myths Vs Facts"	Department of Business Administration, The American College, Madurai	July 20, 2020	Participated	
52.	5-Day International Conference on "Global Service Learning – 2020"	Fatima College (Autonomous)	July 29 to August 2, 2020	Participated	

53.	International Webinar on "Communication of Affection for Healthy Work Life Integration – A Global Perspective"	PG and Research Department of Commerce, St. Mary's College (Autonomous), Thoothukudi	March 30, 2021	Participated	
54.	National Webinar on "Women in Academic Leadership: Challenges and Opportunities"	Department of Journalism and Science Communication, Madurai Kamaraj University, Madurai	April 9, 2021	Participated	
55.	Two Day National Level Virtual Research Development Programme on "Ethical Norms of Research Writing and Publication: Scopus indexed journals"	department of commerce (sf), vhnsn college (autonomous), & Department of BBA, Mangayarkarasi college of arts & science for women`	may 16 & 17, 2022	Participated	
56.	International Online Workshop on "Academic Writing – Ethical Issues"	Global Institute of Statistical Solutions	June 18 – 20, 2022	Participated	
57.	ICSSR (Southern Regional Centre) Sponsored Two Days National Level Online Seminar on "Digital Financial Inclusion"	Department Of Management, Suguna College of Arts and Science, Coimbatore	August 30 & 31, 2022	Participated	-
58.	National Conference on "Innovation and Intelligence – A Contemporary Perspective"	Department of MBA, Fatima College (Autonomous), Madurai	March 14, 2023	Presented	Technological Innovation Process
59.	One-Day National Seminar on "Sustainability Management Strategies in Fashion Business"	Department of Business Administration & Department of Costume Design and Fashion Technology, Ambiga College of Arts and Science for Women, Madurai	March 25, 2023	Participated	-
60.	National Conference on "Impact of Social Media on Youngsters"	Department of Management Studies, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur	March 30, 2023	Presented	Social Media – Supported Learning & Academic Success
61	One Day National Level Seminar on "Indian Accounting Standards and Techniques"	Department of Commerce (SF), V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar and the Department of Commerce, G. Venkaswamy Naidu College (Autonomous), Kovilpatti	August 28, 2023	Participated	-
62	National Conference on "Industry 4.0 – Navigating a Changing Landscape"	Departments of MBA & MCA, Fatima Institute of Management, Fatima College (Autonomous), Madurai	October 6, 2023	Presented	Digital Disruption in Banking Industry

63	Indian Council of Social Science Research (ICSSR) Sponsored One Day National Seminar on "Sustainable Developments through MSME's: A Pathway to Self-Reliant India"	Department of Commerce, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi	October 6, 2023	Presented	MSMEs & Sustainable Development Goals – Path to Prosperity

23. Articles Published in Journals/Magazines/Books

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month / Year	Vol. No.	Iss. No.	Page No.	ISSN / ISBN	Publisher	Impact Factor
1.	Zenith – International Journal of Business Economics & Management Research	A Study on Analysis of Human Capital Valuation in Cash Management Service Industry	June 2012	2	6	149 – 159	2249-8826	ZIRAF	-
2.	TSM Business Review (TBR)	Store and Online Grocery Shopping: A Customer Value Perspective	June 2015	3	1	54 – 68	2348 – 3784	Shanlax Press	-
3.	International Journal of Research in Commerce, IT & Management	Rural Investors' Perception Towards Mutual Fund Distribution	Dec. 2015	5	12	48 – 51	2231 – 5756	IJRCM	-
4.	Indian Journal of Science &Technology (Scopus Indexed)	Regional Disparities in Public Transport – A Study in Madurai District	July 2016	9	27	1-6	0974-5645	INDJST	-
5.	Dinamalar National Daily Newspaper	IllatharamUyarthumIlla tharasigal	Nov. 2016	-	-	10	-	Dinamalar	-
6.	International Journal for Scientific Research & Development	A Study on Investors' Perception Towards Mutual Fund Marketing Strategies in Madurai	Jan. 2017	4	11	31 – 32	2321-0631	IJSRD	2.39
7.	International Journal of Economic Research (Scopus Indexed) (UGC Serial No: 795)	Public Awareness Towards "India Innovation Lab for Green Finance"	Nov. 2017	14	6	391 – 400	0972-9380	Serials Publications Pvt. Ltd.	-
8.	GASCIAN Journal of Social Science – GJSS	Relative Investment Preference – An Income-Centric Outlook	July – Dec. 2017	5	2	12 – 12	2348-0432	Research & Development Centre, Gobi Arts & Science College (Autonomous), Gobichettipalayam	-
9.	Shanlax International Journal of Management	Digital Native Retail Investors' Outlook Towards Bespoke Digital Transformation in Mutual Fund Industry	February 2019	Vol. 6	Special Issue 6	90 – 96	Issn: 2321-4643	Shanlax Publications	-
10.	Restaurant Business	A Comparative Study of Factors Influencing	August 2019	Vol. 118	Issue 8	126 – 131	ISSN: 0097 –	Ideal Media LLC	-

		Brand Preferences of Grocery Product – Consumer Perspective					8043		
11.	Our Heritage (UGC CARE)	5S Certified Garment Units – An Outcome-Based Approach	February 2020	Vol. 68	Issue 54	1743 – 1751	ISSN: 0474-9030	Our Heritage Journal	-
12.	Shodha Prabha (UGC CARE LISTED)	A study on leveraging fintech innovation – students' preference towards an outcome-oriented education financing	July to December 2023	vol. 48	issue-2, Number 01	1 – 5	ISSN: 0974-8946	Shodha Prabha	-
13.	JOURNAL OF THE ASIATIC SOCIETY OF MUMBAI (UGC CARE LISTED)	A study on leveraging fintech innovation – students' preference towards an outcome-oriented education financing	2023	VOL. XCIX	ISSUE NO. 3	1 – 6	ISSN: 0972-0766	ASIATIC SOCIETY OF MUMBAI	-

24. Articles Published in Books

S. No.	Book Name	Title of the Chapter	Year	Page No.	ISBN	Publisher
1.	Edited Book Volume on Global Business	Global Practices in Indian Banking Industry	Sep. 2011	160 – 163	978–93–81537–00-8	NCRC Publications, Coimbatore
2.	Edited Book Volume on Contemporary Emerging Trends in Management	Contemporary Trends in HRMin India – Practices Drawn From Ancient Tradition	Feb. 2012	150 – 154	86058-073-1998	Anna University of Technology, Madurai
3.	Edited Book Volume on "Social Media for Service Sector"	Social Media Analytics – Enhancing Investor Awareness towards Mutual Funds	Aug. 2014	49 – 51	978-1-63315-205-2	World Literature Books and Publishers Private Limited, Madurai
4.	Edited Book Volume on "New Dimensions of Management in the Globalized Era"	A Study on Investors' Awareness towards Mutual Funds in Madurai City	Jan. 2015	72 – 75	978-93-80657-40-0	Shanlax Publications
5.	Edited Book Volume on "Digital Marketing" – ICDM – 2015	Store and Online Grocery Shopping – A Customer Value Perspective	Feb. 2015	14 – 24	978-93-84743-33-8	Bonfring
6.	Edited Book Volume on "Indian World-Class Manufacturing – The Road Ahead"	Mutual Fund Investments in Indian Manufacturing Industries	Oct. 2015	267 – 268	978-81-93023-488	World Literature Books Centre and Publisher Pvt. Ltd.
7.	Edited Book Volume on "Managing Disaster – A Strategic Perspective"	Financing Natural Disasters – Innovative Disaster-Linked Financial Instruments	Sep. 2016	219 – 222	978-8-1930-234-26	World Literature Books Centre and Publisher Pvt. Ltd.
8.	Edited Book Volume on "Goods and Services Tax:	Impact of GST Implementation on Mutual	Jan. 2017	118 – 120	978-93-81723-61-6	VHNSN College

	Concepts & Challenges"	Funds				
9.	Edited Book Volume on "Total Quality Management inHigher Education"	Role of Faculty Towards TQM and Quality Enhancement	Feb. 2017	131-135	978-81-933316-8-2	Shanlax Publications
10.	Edited Book Volume on "Global Talent Management in The Digital Era"	Asset Management Leadership Factory – Global Game Changing Scenario	Sep. 2017	75 – 77	978-93-86537-95-9	Shanlax Publications
11.	Edited Book Volume on "Digital Marketing – A Global Perspective"	Digital Transformation in Mutual Fund Industry – Leveraging The Power of Social Media	Aug. 2018	24 – 26	978-93-87871-67-0	Shanlax Publications
12.	Edited Book Volume on "Management in Digital Era"	Digital Renovation in Asset Management Industry – Leveraging The Supremacy of Social Media	Dec. 2018	210 – 213	978-93-86782-60-1	LordineNuovo Publication
13.	Edited Book Volume on "Management – The Paradigm Shift in Turbulences"	Bespoke Portfolio Management – A Strategic Perspective	2018	49 – 51	978-93-83191-29-1	Curriculum Development Cell, AyyaNadar Janaki Ammal College, Sivakasi
14.	Edited Book Volume on "Sustainable Developments Through MSMEs: A Pathway to Self-Reliant India"	MSMEs & Sustainable Development Goals – Path to Prosperity	2023	82 – 86	978-93-94004-58-0 (Volume 2)	Shanlax Publications

25. Endowment Lectures Delivered

S. No.	Organization	Theme/Title	Date
1.	Department of Business Administration, Sri Meenakshi Government Arts College for Women, Madurai	Guest Lecture on "Altitude Elevation Through Positive Attitude"	Dec. 19, 2016

26. Major Assignments

S. No.	Major Assignment	Institution	Theme/Title	Date
1.	Resource Person	Logicash Solutions Private Limited, Madurai	One-Day Workshop on "Minor Changes – Major Motivation"	Feb. 10, 2018
2.	Resource Person	Department of Business Administration, Thiagarajar College, Madurai	One-Day Workshop on "Prosperity Through Positivity"	Mar.06, 2018
3.	Resource Person	Department of Business Administration, Mangayarkarasi College of Arts & Science for Women, Madurai	One-Day Workshop on "Positivism"	July 16, 2018
4.	Resource Person	St. Justin's College of Education, Madurai	Life Coping Skills (Soft Skills)	Jan.09, 2019
5.	Examiner – VIVA	Department of Management Studies, Sourashtra College (Autonomous), madurai	Workshop on Managerial Skills	April 12, 2019

6.	Subject Expert	Department of Business Administration, Thiagarajar College (Autonomous), Madurai	Board of Studies	April 23, 2019
7.	Resource Person	Quality Circle, Fatima College (Autonomous)	Quality Circle Formation & Working	September 26, 2019
8.	Resource Person	Rotaract Club, Fatima College (Autonomous)	Women Empowerment	October 10, 2019
9.	Resource Person	Annai Fathima College, Madurai	World Wide Women (Addressed Faculty Members)	March 11, 2020
10.	Expert Member	Department of BBA and Department of BBA Aviation management, GTN ARTS College, Dindigul	Outcome Based Education – Validation of Course Syllabus	March 19, 2020
11.	Organiser	Fatima College (Autonomous)	Student Induction Programme	August 24 – 31, 2020
12.	Resource Person	IQAC, Fatima College (Autonomous) (Session to House-Keeping staff)	Organisational Citizenship	
13.	Resource Person	Department of Commerce (UG and PG), Immaculate College for Women, Cuddalore	Power of Positive Thinking	May 15, 2020
14.	Organiser	YUVA & Women's Cell, Fatima College (Autonomous), and YI, Madurai Chapter (CII)	Celebrating Womenhood	March 18, 2022
15.	Organiser	YUVA, Fatima College (Autonomous) & YI, Madurai Chapter (CII)	April Fool to April Cool	April 1, 2022
16.	Resource Person	ARUPPE CENTRE FOR POLICY RESEARCH, ARUL ANANDAR COLLEGE (AUTONOMOUS)	LIFELONG LEARNING FOR EMPLOYABILITY IN AGRICULTURE AND RURAL DEVELOPMENT	JUNE 17, 2022
17.	Chief Guest	Fatima College (Autonomous)	Diwali Celebration	October 21, 2022
18.	Chief Guest	Women Empowerment Animation and Training Centre (WEAT), Fatima College (Autonomous)	Women's Day Celebration	March 8, 2023
19.	Resource Person	Internal Quality Assurance Cell (IQAC), Fatima College (Autonomous)	Student Induction Programme (Deeksharamb) – "Power of Positive Thinking"	June 22, 2023
20.	Resource Person	Fatima College (Autonomous)	Exposure to School Students for Higher Education	January 30, 2024

27. Member in Editorial Board of National/International Journals

S. No.	Book Name	Year	Publisher	ISBN
1.	International Conference Proceedings on "Social Media in Service Sector"	2014	World Literature Books Centre and Publisher Pvt. Ltd.	978-1-63315-205-2
2.	Indian World-Class Manufacturing – The Road Ahead	2015	World Literature Books Centre and Publisher Pvt. Ltd.	978-81-93023-488
3.	Managing Disaster – A Strategic Perspective	2016	World Literature Books Centre and Publisher Pvt. Ltd.	978-8-1930-234-26

4.	Global Talent Management in The Digital Era	2017	Shanlax Publications	978-93-86537-95-9
5.	IJBST Journal Group (International Journal of Biosciences, Healthcare Technology and Management)	2019	IJBST Journal Group	0975-3893

28. Consultancy + Radio Talk/Tv Shows)

S. No.	Consultant / Radio Talk / TV Shows	Consultancy (on/for) / Themes	Institution / Organisation	Place	Date
1.	Consultancy (Faculty Internship)	Expansion of Customer Base	Integrated Enterprises	Madurai	Dec. 2009
2.	Consultancy (Faculty Internship)	Business Expansion &DematAccount Maintenance	Adithya Trading Solutions	Madurai	Dec. 2010
3.	Consultancy (Faculty Internship)	Manpower Planning, Recruitment andTraining	Bliss Management Services Pvt. Ltd.	Madurai	Dec. 2011
4.	Consultancy (Faculty Internship)	New Fund Formation & Client Management	Birla Sun Life Banking & Financial Services	Madurai	Dec. 2013
5.	Consultancy (Faculty Internship)	Impact ofNew Canvas onTextile Industry	Sreni Textiles	Madurai	Dec. 2014
6.	Consultancy (Faculty Internship)	Foreign Currency Trading	Karvy Consultants Pvt. Ltd.	Madurai	Dec. 2015
7.	Consultancy (Faculty Internship)	Impact of Demonetization on Financial Information System	Advanced ERP Solutions	Madurai	Nov. - Dec. 2016
8.	Consultancy (Faculty Internship)	Employee Management and Inventory Management	Akash Construction Company	Madurai	Nov. - Dec. 2017
9.	Consultancy (Faculty Internship)	Financial Consultancy	AllConnect Business Consultancy Services	coimbatore	Dec. 2018
10.	Online Consultancy (Faculty Internship)	hiring strategies for leadership position	TrueConnect Strategic services private limited	erode	Dec. 2019
11.	Online Consultancy (Faculty Internship)	Marketing Strategies	Tejus Skincare	Bahrain	feb 21 – 26, 2022

29. Any other

- **Interview Published in Dinamalar Daily on April 11, 2016**
- **Interview Published in Dinamalar Daily on February 20, 2017.**
- **Conducted (External Examiner) Summative Workshop on Managerial Skill (Viva), April 12, 2019.**

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WRITE : TAMIL & ENGLISH
SPEAK : TAMIL, ENGLISH & TELUGU

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	ECONOMICS	LADY DOAK COLLEGE, MADURAI	1995 - 1998
2.	PG	MBA	FATIMA COLLEGE, MADURAI	1998 - 2000
3.	M.PHIL.	MANAGEMENT	MADURAI KAMARAJ UNIVERSITY	2006
4.	PH.D.	MANAGEMENT	MOTHER TERESA WOMEN'S UNIVERSITY	APRIL 2012

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	AMBIGA COLLEGE OF ARTS & SCIENCE	2001 - 2004
2.	N.M.S.V.N. COLLEGE, MADURAI	2005 - 2007
3.	ASSISTANT PROFESSOR, FATIMA COLLEGE (AUTONOMOUS), MADURAI	2007 - 2009
4.	ASSISTANT PROFESSOR, FATIMA COLLEGE (AUTONOMOUS), MADURAI	2011 - TILL DATE

3. POSITION HELD OUTSIDE

S. NO.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	G.V.G. COLLEGE FOR WOMEN, UDUMALPET	MEMBER, BOARD OF STUDIES	2012 - 2013

4. AREAS OF SPECIALIZATION

- FINANCE

1.	UG	Economics	Lady Doak College, Madurai	1995 - 1998
2.	PG	MBA	Fatima College, Madurai	1998 - 2000
3.	M.Phil.	Management	Madurai Kamaraj University	2006
4.	Ph.D.	Management	Mother Teresa Women's University	April 2012

31. Teaching Experience

S. No.	Institution	From – to
1.	Ambiga College of Arts & Science	2001 - 2004
2.	N.M.S.V.N. College, Madurai	2005 - 2007
3.	Assistant Professor, Fatima College (Autonomous), Madurai	2007 - 2009
4.	Assistant Professor, Fatima College (Autonomous), Madurai	2011 - Till Date

32. Position Held Outside

S. No.	Name of the Institution	Name of the Position	Duration
1.	G.V.G. College for Women, Udumalpet	Member, Board of Studies	2012 - 2013

33. Areas of Specialization

- Finance

34. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized by	Date
1.	Faculty Development Programme	SPSS 17	SPSS South Asia and Thiagarajar School Management	Jan. 31, 2009
2.	Out Bound Training	-	Fatima College & Indian Institute of Training & Development	Jan. 19 & 20, 2013
3.	Out Bound Training	Psycho- Spiritual Training	Fatima College, Madurai	Feb. 05 & 06, 2014
4.	Out Bound Training	healing the inner child	Anugraha arts and science college	1.03.2017 & 2.03.2017
5.	Out Bound Training	healing the inner child	Anugraha arts and science college	27.02.2018 & 28.02.2018
6.	out bound training	healing the inner child	Anugraha arts and science college	06.02.2019 & 07.02.2019
7.	faculty development programme	FDP	IQAC, fatima college, madurai	13.062019 & 14.06.2019
8.	fdp	inculcating universal human values in technical education	All India council for technical education (AICTE)	11.07.2022 to 15.07.2022
9.	six day international fdp	innovative teaching and learning methods	patrician college of arts and science, Post graduated & research department of commerce & IQAC	11.07.2022 to

				16.07.2022
10.	FDP	Webinar on NEP 2020:Global outreach of higher education	University grants commission, human resource development centre(HRDC),Pondicherry University	26.07.2022
11.	5-day online FDP	Inculcating Universal Human Values in Technical Education	All India Council for Technical Education (AICTE)	11.07.2022 – 15.07.2022
12.	Out bound training	HEALING THE INNER CHILD	ANUGRAHA ARTS AND SCIENCE COLLEGE	27.02.2023 & 28.02.2023
13.	Reearch methodology workshop	Crafting a research masterpiece methodology unleashed	Visionary research academy	23.12.2023 & 27.12.2023
14.	Out bound training	healing the inner child	ANUGRAHA ARTS AND SCIENCE COLLEGE	01.02.2024 & 02.02.2024

35. National/International Seminar, Workshop & Conference Presented

S. No.	Programmes	Organized by	Date	Participated/ Presented	Title of the Paper
1.	National Conference on "Emerging Technologies & Application"	Sourashtra University, Rajkot	28.11.2006	Presented	Recent Trends In Computer Technology
2.	National Conference on "Challenges to Globalization and Strategies to Overcome Them"	Misrimal Navajee Munoth Jain Engineering College, Chennai	08.03.2007	Presented	Rural Marketing and Globalization
3.	National Conference on "Emerging Issues and Challenges In Management"	PSNA College of Engineering & Technology, Dindigul	17.02.2007	Presented	Rural Marketing In Madurai District
4.	National Conference on "180 Days/360o Knowledge Management In Higher Education Quality Enhancement Process"	The Ethiraj College for Women (Autonomous), Chennai	06.02.2008 & 07.02.2008	Presented	Knowledge Management and Research
5.	International Conference on "Reforms In Higher Education in Asia"	Cardamon Planters' Association College, Bodi	04.03.2008	Presented	Paradigm Shift In Higher Education
6.	International Seminar on "Managing Global Recession Opportunities & Challenges"	K.S. Rangasamy College of Technology, Erode	25.03.2009	Presented	Knowledge Process Outsourcing Industry – HR Issues
7.	National Seminar on "Enhancing & Sustaining Quality In Higher Education: Intervention Strategies"	Fatima College (Autonomous), Madurai	27.02.2009	Presented	Faculty Internship As An Intervention Strategy In Higher Education
8.	National Seminar on "Housing Needs and The Role of Institutional Housing Finance"	Government Arts College (Men), Chennai	27.02.2009	Presented	Role of Financial Sector In Housing Development
9.	International Conference on "Global Recession and Its Impact"	Fatima College (Autonomous), Madurai	22.01.2010	Presented	Global Recession and Its Impact on Environment

10.	National Conference on " Business and Professional Ethics A 21ST Century A Perspective"	Fatima College (Autonomous), Madurai	17.09.2011	Presented	Business Ethics Indian Perspective
11.	Two-Day Workshop on "ICAN – Transformation"	Kodai International Business School, Kodaikanal	Sep. 23 & 24, 2011	Participated	-
12.	National Conference "Global Recession and Recovery"	Karpagam University, Coimbatore	28.10.2011	Presented	Global Recession and Recovery –Impact In Indian Industry
13.	One-Day Workshop on "Training for Trainers"	MADITSSIA, Madurai	Nov. 2011	Participated	-
14.	International Conference on "Impact of Global Crisis in Indian Business"	Annai Mathammal Sheela Engineering College, Namakkal	14.09.2012	Presented	ERP- A Sustainable Tool for Global Crisis
15.	National Conference on "Emerging Trends In Global Business"	RVS Institute of Management Studies, Coimbatore	15.09.2012	Presented	Rural Consumers' Awareness Towards Branded Products In Madurai District
16.	National Conference on ICT-An Catalyst for Transforming Teaching, Learning & Research in Commerce, Computer Science & Management Education	Lady Doak College, Madurai	9 & 10. 01. 2014	Presented	ICT-A Drive for Creative Learning and Inclusive Education
17.	National Conference on "Mark-IT"	Loyola Institute of Business Administration (LIBA), Chennai	Sep. 2013	Presented	Brand Management In Rural Market
18.	International Conference on "Social Media For Service Sector"	Fatima College, Madurai	20 & 21. 08. 2014	Presented	Rural India and Social Media
19.	International Conference on "The Impact of E-Commerce In Modern Business"	Rathinam College of Arts & Science, Coimbatore	12.08.2015	Presented	The Boom In E-Commerce Attributed To Technological Advancements
20.	International Conference on "Innovative Hr Practices In Corporate World"	Rathinam College of Arts & Science, Coimbatore	19.08.2015	Presented	Integration Strategies and Business Governance
21.	National Conference on " Indian World- Class Manufacturing- The Road Ahead"	Fatima College, Madurai	01.10.2015	Presented	Role of Human Capital In Redefining The Manufacturing
22.	National Conference on "Social Entrepreneurship"	Arul Anandar College, Karumathur	23.08. 2015	Participated	-
23.	International Conference on "Disaster Management - A Strategic Perspective"	Fatima College, Madurai	29 & 30.08. 2016	Presented	Role of Human Resources In Emergency Management
24.	Placement Workshop on Corporate Skills	Department of Management Studies, Fatima college	08.09.2017	PARTICIPATED	

25.	Symposium on Gateway To Banking Career	Department of Management Studies, Fatima college	04.10.2017	PARTICIPATED	
26.	Symposium on Road Map to A Culture of Self Improvement	Department of Management Studies, Fatima college	09.10.2017	ORGANISED	
27.	Symposium on Enhancing Research Skills	Department of Management Studies, Fatima college	12.12.2017	PARTICIPATED	
28,	National workshop on creating alternative digital teaching learning environment in higher education institutions	Fatima college sponsored by United Board for Christian Higher Education in Asia	06.09.2018 – 08.09.2018	PARTICIPATED	
29.	International forum on women transcending gender boundaries: the malaysian story	binary university of management & entrepreneurship, Malaysia	14.09.2018	PARTICIPATED	
30.	Symposium on EXPLORING IMPORT AND EXPORT BUSINESS OPPORTUNITIES	Department of Management Studies	18.09.2018	PARTICIPATED	
31	Placement Workshop on CORPORATE GROOMING	Department of Management Studies	08.10.2018	PARTICIPATED	
32.	EXPLORIA INTERCOLLEGIATE RESEARCH FEST "SUSTAINABLE GOALS OF INDIA"	RESEARCH ADVISORY COMMITTEE, FATIMA COLLEGE, MADURAI	20.02.2019	ORGANISED	
36.	TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY SPONSORED WORKSHOP ON "AWARENESS ON INTELLECTUAL PROPERTY RIGHTS"	RESEARCH ADVISORY COMMITTEE & INTELLECTUAL PROPERTY RIGHTS CELL, FATIMA COLLEGE, MADURAI	26.07.2019	PARTICIPATED	
37.	NATIONAL CONFERENCE ON "BUSINESS ANALYTICS –A ROAD MAP TO ENTREPRENEURSHIP"	MBA & MCA DEPARTMENTS, FATIMA COLLEGE, MADURAI	06.09.2019	PRESENTED	BUSINESS ANALYTICS IN HUMAN RESOURCE DEVELOPMENT
38.	PLACEMENT WORKSHOP ON "360 DEGREE CAREER DEVELOPMENT"	MBA DEPARTMENT, FATIMA COLLEGE, MADURAI	18.9. 2019	PARTICIPATED	-
39.	7 DAY INTERNATIONAL PROFESSIONAL DEVELOPMENT PROGRAMME ON SPSS	PG & RESEARCH DEPARTMENT OF COMMERCE (SHIFT – I) PATRICIAN COLLEGE OF ARTS AND SCIENCE	21.06.2021 TO 27.06.2021	PARTICIPATED	-
40.	VIRTUAL NATIONAL LEVEL FDP SERIES I – 'RESEARCH METHODOLOGY IN COMMERCE AND MANAGEMENT'	SCHOOL OF COMMERCE MANAGEMENT, ST.JOSEPH'S COLLEGE(AUTONOMOUS), BENGALURU	27 & 28 MAY 2021	PARTICIPATED	-

41.	HUMAN VALUES AND ETHICS IN SOCIAL MEDIA – A DIGITAL PERSPECTIVE	DEPARTMENT OF MANAGEMENT STUDIES, FATIMA INSTITUTE OF MANAGEMENT, FATIMA COLLEGE, MADURAI	15.07.2020 TO 21.07.2020	PARTICIPATED	-
42.	ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAMME ON (FDP) ON "ACADEMIC EXCELLENCE IN DIGITAL TEACHING AND LEARNING	DEPARTMENT MANAGEMENT STUDIES, DIRECTORATE OF DISTANCE EDUCATION, MADURAI KAMARAJ UNIVERSITY	01.07.2020 TO 07.07.2020	PARTICIPATED	-
43.	ONE DAY NATIONAL SEMINAR ON SUSTAINABILITY MANAGEMENT STRATEGIES IN FASHION BUSINESS	DEPARTMENT OF BUSINESS ADMINISTRATION & COSTUME DESIGN AND FASHION TECHNOLOGY	25.03.2023	PARTICIPATED	-
44.	NATIONAL SEMINAR ON ENTREPRENEURIAL TRAITS AND TRENDS, 2023	THE RESEARCH CENTRE OF COMMERCE, FATIMA COLLEGE, MADURAI	29.09.2023	PRESENTED	HARMONIOUS LIVING – WORK LIFE BLEND
45.	NATIONAL SEMINAR ON "CAMPUS – CORPORATE – COMMUNITY – CONNECT BRIDGING THE GAP BETWEEN RESEARCH AND APPLICATION"	THE RESEARCH AND DEVELOPMENT CELL & INTELLECTUAL PROPERTY RIGHTS CELL OF FATIMA COLLEGE (AUTONOMOUS), MADURAI	18.10.2023	PARTICIPATED	-
46.	SYMPOSIUM ON " FROM CLASSROOM TO BOARDROOM: EXCELLING IN BUSINESS COMMUNICATION & SOFT SKILLS"	DEPARTMENT OF MBA, FATIMA COLLEGE (AUTONOMOUS), MADURAI	17.02.2024	ATTENDED	
47.	TWO DAY INTERNATIONAL CONFERENCE ON "GLOBAL CONTEMPORARY ISSUES AND UNLOCKING INNOVATION IN BUSINESS INDUSTRY 4.0 (Hubrid mode)	VHNSN COLLEGE , VIRUDHUNAGAR, IN ASSOCIATION WITH MANGAYAEKARASI COLLEGE OF ARTS AND SCIENCEFOR WOMEN, MADURAI	24.07.24 & 25.07.24	PRESENTED	BUILDING ROUTINE – WORK LIFE INTEGRATION
48.	7-DAY ONLINE INTERNATIONAL PROFESSIONAL DEVELOPMENTPROGRAM ON 'RESEARCH CRAFTSMANSHIP'	RESEARCH CENTER INASSOCIATION WITH IQACOF PATRICIAN COLLEGE OF ARTS AND SCIENCE, CHENNAI	16.08.2024 to 23.08.2024	ATTENDED	
49.	Symposium on 'CAREER OPPORTUNITIES IN CAPITAL MARKETS'	DEPARTMENT OF MBA FATIMA COLLEGE 9AUTONOMOUS), MADURAI	11.09.2024	ATTENDED	

36. Articles Published in Journals/Books

S. No.	Journal / Proceeding/ Magazine/Book Name	Title of the Article	Month / Year	Vol. No.	Iss. No.	Page No.	ISSN / ISBN	Publisher	Impact Factor
1.	HRD Times	Marketing MIX In Rural Perspective	June 2009	11	6	18	-	HRD, Chennai	-
2.	Edited Book Volume on "Emerging Trends In Global Business"	Rural Consumers' Awareness Towards Branded Products In Madurai District	Sep. 2012	1	3	32	978-93-81537-00-8	RVS Institute of Management Studies	-
3.	Proceedings - National Conference on "Mark-	Brand Management In Rural Market	Sep. 2013	-	-	-	-	Loyola Institute of Business Administration	-

	IT"							(LIBA),	
4.	Proceedings International Conference on "Social Media for Service Sector"	Rural India and Social Media	Sep. 3014	-	-	61	978-1-63315-205-2	Fatima College, Madurai	-
5.	Proceedings - International Conference on "THE Impact of E-Commerce In Modern Business"	The Boom In E-Commerce Attributed To Technological Advancements	Aug. 2015	-	-	125	978-93-82570-67-7	Rathinam College of Arts & Science, Coimbatore	-
6.	Proceedings -National Conference on "Indian World- Class Manufacturing- The Road Ahead"	Role of Human Capital In Redefining The Manufacturing	Oct. 2015	-	-	297	978-81-93023-488	Fatima College, Madurai	-
7.	International Journal of Research & Business Innovation	Information and Communication Technology – A Tool for Inclusive Education	July - Dec 2015	3	7	1-4	2321-5615	International Journal of Research & Business Innovation (IJRBI)	1.53
8.	International Conference on "Disaster Management- A Strategic Perspective"	Role of Human Resources In Emergency Management	Sep. 29 & 30 2016			379-382	978-8-1930-234-26	World Literature Books Centre& Publisher Pvt.Ltd., Madurai	-
9.	International Education and Research Journal	Career Maturity and Career Decision – Making – A-Review	Dec. 2016	2	12	56-57	E-ISSN: 2454-9916	International Education and Research Journal	-
10.	international conference on global talent management in the digital era	ROLE OF HR IN TALENT MANAGEMENT	sep. 13, 2017			82-84	ISBN: 978-93-86537-95-9	shanlax publications, madurai	
11.	International Level Conference on Digital Marketing – A global perspective	INNOVATIVE MARKETING A KEY TO SUCCESS	10.08. 2018			27 - 29	ISBN: 978-93-87871-67-0	shanlax publications, madurai	
12.	RUSSIAN LAW JOURNAL	ANALYSING THE MAJOR DETERMINANTS OF IMPLEMENTING ARTIFICIAL INTELLIGENCE IN ENHANCING CUSTOMER RELATIONSHIP MANAGEMENT IN PRIVATE BANKING COMPANIES	2023	XI	7s	373-381	2312-3605	Russian Law Journal is indexed by Scopus and ESCI Web of Science	
13.	SHODHA PRABHA JOURNAL	HARMONIOUS LIVING – WORK LIFE	Dec 2023	48	02	252 -	UGC – CARE	Shri Lal Bahadur Shastri Rashriya	

		BLEND				256	Journal ISSN 0974-8946	Sanskrit Vidyapeetha	

37. Guest Lectures Delivered

S. No.	Theme	Programme	Organized by	Date
1.	Project Guidelines	Guest Lecture	Department of Business Administration, EMG Yadava Women's College, Madurai	Feb. 19, 2015
2.	Profitability & Balance Sheet	3 Weeks Online women Entrepreneurship development programme	Mannar Thirumalai Naicker College, Madurai	18.11.2023

38. Major Assignments

S. No.	Major Assignments	Institution	Theme/Title	Date & Year
1.	Organizer	Fatima College (Autonomous), Madurai	Workshop on Marketing Research	24.08.2016

39. Consultancy + Radio Talk/TV Shows)

S. No.	Consultant / Radio Talk / TV Shows	Consultancy (on/for) / Themes	Institution / Organisation	Place	Date
1.	Consultancy (Faculty Internship)	Organization And Management	Fortune Pandian Hotel	Madurai	Jan. 2009
2.	Faculty Internship	Human Resource Department	TVS And Sons Ltd.	Madurai	Dec. 2011
3.	Consultancy (Faculty Internship)	Faculty Development Programme	Centre Fpr Entrepreneurship Development	Madurai	Dec. 2012
4.	Consultancy (Faculty Internship)	Business Enhancement	Tamilnadu Food Grains Marketing Yard Ltd.	Madurai	Dec. 2013
5.	Faculty Internship	Managing Human Resource	Krishna Electrical Contractors	Madurai	Dec. 2014
6.	Faculty Internship	Enterprise Development	Tamilnadu Council for Enterprise Development	Madurai	Dec. 2015
7.	Faculty Internship	Market Positioning	Systems Domain	Madurai	Dec. 2016
8.	faculty internship	Human resource management	industrial protection services	madurai	DEC. 2017
9.	faculty internship	Business Integration	sahay racks (P)LTD.	tuticorin	DEC. 2018

10.	FACULTY INTERNSHIP		J.J.PANELS,	MADURAI	Dec,2019
11.	FACULTY INTERNSHIP		ETHICARE FACILITY SERVICES INDIA PVT.LTD.	COIMBATORE	28.12.2020 -2.1.2021
12.	FACULTY INTERNSHIP		SINDUR ATTAIRS	CHENNAI	JAN. 2022

40. ANY OTHER

- ATTENDED PROGRAMME ON "PRICE RISK MANAGEMENT IN COMMODITY MARKET" BY MADURAI MANAGEMENT ASSOCIATION (MMA).
- ORGANIZED INTERCOLLEGIATE RESEARCH FEST – EXPLORIA'16 ON "INNOVATIVE RESPONSES TO SOCIAL AND ENVIRONMENTAL ISSUES" AS A MEMBER OF RESEARCH CELL FATIMA COLLEGE, MADURAI, ON MARCH 09, 2016.

REFERENCES:

Dr.David Amirtha Rajan – Retd. Professor American College – Cell: 9486467875

Dr.P.Shyamala – Associate Professor & Head, Dept. of MBA, Fatima College Cell - 9940866669

Dr.Arasammal – Head & Associate Professor, Dept. of B.Com (Hons), Fatima College,
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LANGUAGES PROFICIENCY
READ : TAMIL & ENGLISH
WRITE : TAMIL & ENGLISH
SPEAK : TAMIL & ENGLISH

41. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMMERCE	FATIMA COLLEGE, MADURAI	2004

2.	PG	Business Administration	Fatima College, Madurai	2006
3.	PG	Commerce	Madurai Kamaraj University (DDE), Madurai	2012
4.	M.Phil.	Business Administration	Madurai Kamaraj University (DDE), Madurai	2007
5.	Ph.D.	Business Administration	Madurai Kamaraj University, Madurai	2013
6.	PG Diploma	Cooperative Management	Annamalai University (DDE), Chidambaram	2016
7.	NET	Business Administration	UGC	2012
8.	CERTIFICATE	Diploma in computer application	Everonn Systems India Ltd , Madurai	2002
9.	CERTIFICATE	Diploma in computerized business application	Everonn Systems India Ltd , Madurai	2003
10	CERTIFICATE (ONLINE COURSE)	BLOCKCHAIN AND BITCOIN FUNDAMENTALS	UDEMY	2020
11	CERTIFICATE (ONLINE COURSE)	LEARN IKIGAI	UDEMY	2020
12	CERTIFICATE (ONLINE COURSE)	E-COMMERCE	E MARKETING INSTITUTE	2020

42. Teaching Experience

S. No.	Institution	From – To (Period)
1.	Bharath Niketan Engineering College, Aundipatti	July 02, 2008 - June 30, 2010
2.	RL Institute of Management Studies, Madurai	July 01, 2010 - Mar. 31, 2017
3.	Assistant Professor, Fatima College, Madurai	June 14, 2017 - Till Date

43. Position Held Outside

S. No.	Name of the Position	Name of the Institution	Duration
1.	Exam Coordinator (MBA)	Bharath Niketan Engineering College, Aundipatti	2009 - 2010
2.	Exam Committee Coordinator	RL Institute of Management Studies, Madurai	2013 - 2015 & 2016 - 2017
3.	Event Coordinator (Business Kshetra – State Level Contest)	RL Institute of Management Studies, Madurai	2012 - 2013
4.	Research Committee Member	RL Institute of Management Studies, Madurai	2014 & 2016
5.	Board of Studies Member	RL Institute of Management Studies, Madurai	2010 - 2017
6.	Secretary – Academic Council Meeting	RL Institute of Management Studies, Madurai	2015 & 2016
7.	Career Guidance Coordinator	RL Institute of Management Studies, Madurai	2014 - 2016

8.	IBPS Bank Coaching Class Coordinator	RL Institute of Management Studies, Madurai	2013 & 2014
9.	Industrial Visit Coordinator	RL Institute of Management Studies, Madurai	2013 - 2016
10.	Question Paper Setter	Lady Doak College, Madurai	2015-19
11.	Question Paper Setter	Bharathidasan University, Trichy	2015 -19
12	Question Paper Setter	dR.GRD COLLEGE , COIMBATORE	2018-19
13	Question Paper Setter	Kalasalingam university	2016-19
14	Question Paper Setter	American college , Madurai	2016 - 19

44. Areas of Specialization

- **Finance and Marketing**

45. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Fdp	Instructional Design And Delivery	National Institute Of Technical Teachers Training And Research, Chennai	Nov. 10 -15, 2008
2.	Fdp	Developing Research Articles For Publication	Department Of Management Studies, Psnacet	Aug. 29, 2009
3.	Fdp	Multivariate Data Analysis For Management Research	Ministry Of Human Resource Development And Aicte, Nit – Calicut	July 18 - 22, 2011
4.	Fdp	Workshop On Spss	Madurai Kamaraj University, Madurai	Nov. 24 - 25, 2015
5.	Fdp	Orientation Program For Newly Joined Staff	Iqac , Fatima College, Madurai	June 14 - 22, 2017
6	Fdp	Alternative Teaching Methodology	Iqac , Fatima College, Madurai	Oct.10,2017
7	Fdp	Entrepreneurship	Department Of Electronics And Communication Engineering, Rathinam Technical Campus, Coimbatore	June 4-9, 2018
8	Fip	Induction Program	Fatima College , Madurai-18	28.06.18 To 30.06.18
9	Fip	Micro Teaching	Fatima College , Madurai-18	10.07.18
10	Fip	Induction Program	Fatima College , Madurai-18	13.06.19 To 15.06.19
11	Course	Healing The Inner Child	Anugraha Institute Of Counselling , Psychotheraphy And Research	03.03.20 To 04.03.20
12	Online Referesher Course	Mba-Ppc	S.A College Of Arts And Science , Chennai	14.04.20 To 04.05.20
13	Short Term Training Programme	I5	S.A College Of Arts And Science , Chennai	26.04.20 To 09.05.20
14	Online Traning Program	Covid-19 : The Game Changer Of Business World	Jci Sivakasi Lion	11.04.20
15	Online Course	Futuristic Accounting	Iaa & Iara , Tiruchirappalli	11.04.20 To

				15.04.20
16	Online Workshop	Research Methodology	Rest Society For Research International	12.04.20 To 14.04.20
17	Online Webinar	An Effective Research Paper Writing Skills	Bhagwan Mahavir University	13.04.20 To 16.4.20
18	Online Course	Personality Development	Vivekanadha College Of Arts And Sciences For Women , Tiruchengode	17.04.20 To 18.04.20
19	Online Fdp	Recent Trends In Artifical Intelligence And Impact On Teaching Professionals	Rvs College Of Arts And Science , Coimbatore	22.04.20 To 24.04.20
20	Online Fdp	Entrepreneurship : Research , Critical Thinking And Innovation	Indian Academic Researchers Association , Tiruchirappalli	22.04.20 To 28.04.20
21	Online Fdp	Supply Chain Management During A Pandemic	Vet Institute Of Arts And Science , Erode	09.05.20
22	Online Fdp	Tally With Gst	Rathinam College Of Arts And Science , Coimbatore	11.05.20
23	Online Fdp	Moodle Learning System	Bodoland University & Iit Bombay	11.05.20 To 15.05.20
24	Online Fdp	Statistical Application Using Spss	Shasun Jain College For Women , Chennai	16.05.20 To 17.05.20
25	Online Course	Export Business	Ayya Nadar Janaki Ammal College , Sivakasi	18.05.20 To 19.05.20
26	International Fdp	Ai Based Proctoring In Next Generation Education	Shasun Jain College For Women , Chennai	23.05.20
27	Online Sttp	Statistical Analysis In Spss Software	Rest Society For Research International , Krishnagiri	01.06.20 To 06.06.20
28	Online Fdp	Transforming Education – The Google Classroom Way	Aachi Institute Of Management & Entrepreneurial Development ,Chennai	01.06.20 To 07.06.20
29	Online Fdp	Advanced Statistical Analysis For Management	Amity University , Uttar Pradesh	03.06.20 To 09.06.20
30	Two Week International Online Fdp	Digital Initiatives For Higher Education	Swayam-Nptel Local Chapter , G. Venkataswamy Naidu College , Kovilpatti	04.06.20 To 17.06.20
31	International Fdp	Academic Writing And Opportunity For The Publication	Dr.Sns Rajalakshmi College Of Arts And Science , Coimbatore	17.06.20
32	Faculty Enrichment Programme	Resetting Mind In Upsetting Times	Iqac , Fatima College , Madurai	22.06.20
33	Online Fdp	Learn, Unlearn & Relearn – Effective And Quality Research Writing	Patrican College Of Arts And Science ,Chennai	22.06.20 To 28.06.20
34	Online Fdp	E-Content Development And Deployment	Thassim Beevi Abdul Kader College For Women , Karaikudi	01.07.20 To 03.07.20
35	Online Fdp	Academic Excellence In Digital Teaching And Learning	Department Of Management Studies , Madurai Kamaraj University	01.07.20 To 07.07.20
36	Online Fdp	Emerging Trends In Ethical Hacking And Cyber Security	Hindusthan Institute Of Technology , Coimbatore	06.07.20 To 10.07.20
37	Online Fdp	Digital Tools For Conducting Virtual Classes	Periyar Government Arts College , Cuddalore	06.07.20 To 10.07.20
38	Online Fdp	Academic Excellence In Digital Teaching And Learning	Department Of Management Studies , Madurai Kamaraj University	01.07.20 To 07.07.20
39	International Fdp	Online Teaching Metrics	Srm Institute Of Science And Technology , Chennai	12.05.21 To 18.05.21

40	International Fdp	Spss	Patrician College Of Arts And Science , Chennai	21.06.21 To 27.06.21
41	National Fdp	Revised Naac Accreditation Framework Perceptions	Gtn Arts College , Dindigul	12.05.21 To 15.05.21
42	National Fdp	Research Methodology In Commerce And Management	St.Joesph College , Bengaluru	27.05.21 To 28.05.21
43	Fdp	Naac Assessment And Accreditation – A Step By Step Process	Chadalawada Ramanamma Engineering College , Andra Pradesh	27.05.21 To 29.05.21
44	Fdp	Industry Institute Interaction – A Holistic Approach Insight Out	Srm Institute Of Science And Technology , Chennai	01.07.21 To 14.07.21
45	Fdp	Innovative Teaching & Research In Science : Exploring The New Horizons	Government First Grade College , Bengaluru	10.06.21 To 15.06.21
46	Fdp	How To Make Teaching , Learning Process Effective & Outcome Based	Christian Eminent College , Indore	14.06.21 To 21.06.21
47	Fdp	Gst Compliance – A Practical Approach	Vivekananda College , Madurai	14.06.21 To 20.06.21
48	Fdp	Innovation And Entrepreneurship Development Programme	Edii , Tamilnadu	21.09.21 To 27.09.21
49	Professional Development Programme	Effective and Quality Research Writing - Phase III	Department of Commerce, (Shift II), Patrician College of Arts and Science, Chennai	13th - 19th June 2022
50	Six Days State Level Faculty Development Programme	Digitalization in Accounting and Finance	Department of Commerce PA, KG College of Arts and Science and Department of Commerce, Pioneer College of Arts and Science, Coimbatore	08.11.2022 – 14.11.2022
51	One Day Faculty Development Programme	Recent Trends in Industry, Research and Teaching Methodology	The Research Centre of Commerce & Madurai Chapter of ICSI	22.03.2023
52	online international professional development programme	research methodology	department of corporate secretaryship , patrician college of arts and science	6th june 2023 – 13th june 2023
53	ONLINE FACULTY DEVELOPMENT PROGRAMME	RESEARCH INSIGHTS FOR ACADEMIC EXCELLENCE	DEPARTMENT OF MATHEMATICS , KPR COLLEGE OF ARTS AND SCIENCE , COIMBATORE	03.08.23 TO 08.08.23
54	ONLINE FACULTY DEVELOPMENT PROGRAMME	FROM RESEARCH TO PUBLICATION	PG DEPARTMENT OF COMMERCE, ADHIYAMAN ARTS AND SCIENCE COLLEGE FOR WOMEN , SALEM	04.09.23 TO 11.09.23
55	ONLINE FACULTY DEVELOPMENT PROGRAMME	Essentials of Report Writing Using ms word	madurai kamaraj university , madurai	24.02.24
56	ONLINE FACULTY DEVELOPMENT PROGRAMME	Methods of data collection and analysis through spss & using ai technology for research writing	patrician college of arts and science , Chennai	18.03.24-26.3.24
57	ONLINE FACULTY DEVELOPMENT	advanced techniques in research methodology	patrician college of arts and science , Chennai	9.04.24-16.4.24

	PROGRAMME			
58	ONLINE FACULTY DEVELOPMENT PROGRAMME	ETHICS OF EXCELLENCE FRAMEWORK (EMEF)	RANI ANNA GOVERNMENT COLLEGE FOR WOMEN , TIRUNELVELI	23.4.24 – 30.04.24
59	ONLINE FACULTY DEVELOPMENT PROGRAMME	FOSTERING ORIGINAL THINKING	ST.ALOYSIUS COLLEGE , KERALA	23-08-24
60	ONLINE NATIONAL LEVEL PDP	HARNESSING AI AND SPSS	SRM , CHENNAI	9-9-24 TO 17-9-24
61	ONLINE INTERNATIONAL LEVEL PDP	RESEARCH CRAFTMANSHIP	PATRICIAN COLLEGE OF ARTS AND SCIENCE , CHENNAI	16-08-24 TO 23-08-24

46. NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

S. NO.	PROGRAMME & THEME	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	WORKSHOP ON SIX SIGMA FOR PRODUCTIVITY IMPROVEMENT AND CUSTOMER SATISFACTION	QUALITY CIRCLE FORUM OF INDIA AND SACS M.A.V.M.M. ENGINEERING COLLEGE	AUG. 22, 2009	PARTICIPATED	-
2.	REGIONAL SEMINAR ON LEADERSHIP – SOME SUCCESSFUL INDIANS EXPERIENCES	DEPARTMENT OF MANAGEMENT STUDIES, MKU	OCT. 23, 2009	PARTICIPATED	-
3.	REGIONAL SEMINAR ON CAREER OPPORTUNITIES IN FINANCE AND ACCOUNTING – EMERGING TRENDS	VIDYABHARATHI GROUP OF INSTITUTIONS, KOCHI AND CED, MADURAI	FEB. 12, 2010	PARTICIPATED	-
4.	NATIONAL SEMINAR ON BUSINESS STRATEGIES FOR SUSTAINABLE GROWTH	KARPAGAM COLLEGE OF ENGINEERING, COIMBATORE	OCT. 29, 2010	PRESENTED	CRM A BOON FOR INSURANCE BUSINESS
5.	INTERNATIONAL CONFERENCE ON IMPACT OF GLOBAL FINANCIAL CRISIS (ICIGFC2009)	GNANAMANI EDUCATIONAL INSTITUTIONS, NAMAKKAL	OCT. 30, 2009	PRESENTED	THE GLOBAL FINANCIAL CRISIS EFFECT ON INDIAN BANKING INDUSTRY
6.	INTERNATIONAL CONFERENCE ON GLOBAL RECESSION AND ITS IMPACT	NEHRU INSTITUTE OF MANAGEMENT STUDIES, COIMBATORE	FEB. 18 2010	PRESENTED	IMPACT OF GLOBAL RECESSION ON BRAND BUILDING
7.	INTERNATIONAL CONFERENCE ON GLOBAL MARKETING STRATEGIES AND PRACTICES	NEHRU INSTITUTE OF MANAGEMENT STUDIES, COIMBATORE	OCT. 08 & 09, 2010	PRESENTED	GREEN MARKETING ISSUES AND STRATEGIES
8.					IMPACT OF MARKETING STRATEGIES DURING RECESSION
9.	INTERNATIONAL CONFERENCE ON EMERGING CAPITAL MARKETS : ISSUES AND CHALLENGES	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI	JAN. 08 & 09, 2011	PRESENTED	D-EFFECT – AN INDIAN EXPERIENCE
10.	INTERNATIONAL CONFERENCE ON GLOBALIZATION AND CONSUMER PROTECTION	KALASALINGAM UNIVERSITY, KRISHNANKOIL	JAN. 28 & 29, 2011	PRESENTED	THE ROLE OF HALLMARKING TOWARDS THE CONSUMER PROTECTION ON GOLD
11.	NATIONAL SEMINAR ON MOBILE COMMERCE – THE WHEEL OF ECONOMIC GROWTH	ST.JOSEPH'S INSTITUTE OF MANAGEMENT, TIRUCHIRAPPALLI	FEB. 04 & 05, 2011	PRESENTED	WHETHER MOBILE MARKETING INCREASES BRAND VALUE OF CAR
12.	NATIONAL LEVEL SEMINAR ON PRIDE 2011 (HR CONCLAVE)	R L INSTITUTE OF MANAGEMENT STUDIES, MADURAI	FEB. 19, 2011	PARTICIPATED	-
13.	NATIONAL SEMINAR ON RESEARCH COLLOQUIUM	VIVEKANANDA COLLEGE, MADURAI	FEB. 26, 2011	PRESENTED	A STUDY ON BRAND EQUITY OF VARIOUS CARS IN FAMILY CAR SEGMENT WITH REFERENCE TO MADURAI

					District
14.	Workshop On Research And Data Analysis Using SPSS	National Institute Of Technology, Calicut	July 19, 2011	Participated	-
15.	National Seminar On The Rise Of Indian Brands	SRM University, Chennai	Sep. 08 & 09, 2011	Presented	Impact Of Brand Equity On CPD : An Empirical Investigation With Special Reference To Car Owners In Madurai District
16.	National Seminar On ENTIME 2011	Sathyabama University, Chennai	Oct. 13 & 14, 2011	Presented	Leveraging Micro Finance – A Convergence And /Or Divergence
17.	National Seminar On Banking And Insurance Vision -2020	Subbalakshmi Lakshmipathy College Of Science, Madurai	Jan. 24, 2012	Presented	Key Factors Influencing Bancassurance Success – A Study With Reference To Madurai District
18.	International Conference On Emerging Markets And Issue In Management	VIT University, Vellore	Mar. 16, 2012	Presented	Empirical Analysis On Weak Form Of Market Efficiency In Emerging Markets
19.	Workshop On SPSS	MISS College, Madurai	Feb. 04, 2016	Participated	-
20.	E-Commerce – A Drive Towards Cashless Economy Prospects And Challenges	Sarah Tucker College, Tirunelveli	Dec. 20, 2016	Presented	A Study On Customer Awareness Of E-Commerce Cashless Transaction With Reference To Madurai City
21.	National Seminar On Demonetization In India – Prospectus And Challenges	Madura College, Madurai	Jan. 06, 2017	Presented	A Study On Impact Of Demonetization On GDP And Real Estate Price
22.	Financial Markets Issues And Challenges	Bharathidasan University, Tiruchirappalli	Jan. 07 & 08, 2017	Presented	A Study On Effect Of Financial Inclusion On Cashless Economy With Reference To Madurai District
23.	Impact Of Demonetization On Small And Medium Scale Industries	S.Vellaichamy Nadar College, Madurai	Jan. 27, 2017	Presented	A Study On Impact Of Demonetization On Various Sectors Of The Economy
24.	Entrepreneurship & Development Of Small And Medium Scale Enterprises (Smes) In Global Era	Commerce (Ca) , Mangayarkarasi College Of Arts And Science For Women , Madurai	Aug.28, 2017	Presented	Social Entrepreneurship : A Tool For Society Development
25.	Workshop On Corporate Skills	Mba, Fatima College	Sep.9,2017	Participated	
26	Global Talent Management In The Digital Era	Mba , Mca , M.Sc(It) , Fatima College	Sep.13,2017	Presented	Talent Management : A Training Strategy
27	Symposium On Gateway To Banking Career	Mba, Fatima College	Oct.4,2017	Participated	
28	Symposium On Road Map To A Culture Of Self Improvement	Mba, Fatima College	Oct.9,2017	Participated	
29	Symposium On Enhancing Research Skills	Mba , Fatima College	Dec.12,2017	Participated	
30	Innovative Strategies , Advances And Challenges In Commerce And Management	Department Of Commerce , Sir Parashurambhau College , Tilak Road , Pune	Feb.15,2018	Presented	Business Restructure In Pr Fruits Traders
31	Innovative Strategies , Advances And Challenges In Commerce And Management	Department Of Commerce , Sir Parashurambhau College , Tilak Road , Pune	Feb.15,2018	Presented	A Study On The Impact Of E-Commerce On Customer Satisfaction With Reference To Four Wheeler Purchase

32	Prospects Of Micro , Small And Medium Enterprises (Msmes) In Indian Scenario	Department Of Commerce , American College	FEB.16,2018	Presented	Entrepreneurial Development Schemes And Their Results In Employment Opportunities
33	Symposium On Exploring Import And Export Business Opportunities	Department Of Management Studies, Fatima College (Autonomous)	18.09.18	Organized	-
34	Workshop On "Corporate Grooming"	Department Of Mba , Fatima College , Madurai	8.10.18	Participated	-
35	Workshop On "Enhancing Emotional Intelligence"	Organized By IQAC , Fatima College, Madurai	07.02.2019	Participated	-
36	National Conference On Business Analytics	Organized By Fim, Fatima College , Madurai	06.09.2019	Presented	Business Intelligence Pros And Cons
37	How To Explode Your Mental Block	Kaamadhenu Arts And Science College , Sathyamangalam	27.04.20 & 28.04.20	Participated	-
38	Research Data Analysis Using Ms-Excel	Shri Ramswaroop Memorial University	01.05.20	Participated	-
39	Turnitin Online On Campus	Guru Nanak Institute Institute Of Management Studies	04.05.20	Participated	-
40	National Level Webinar On "Joy Of Orderly Living "	Kaamadhenu Arts And Science College , Coimbatore	05.05.20	Participated	-
41	Webinar On " Core Comperencies For Teachers "	Arasu College Of Education For Women, Karur	06.05.20	Participated	-
42	Webinar On " Gamification Tools In Teaching "	St Xavier's College For Women , Aluva	07.05.20	Participated	-
43	Webinar On " Writing A Winning Project Proposal"	Mar Athanasius College , Kerala	11.05.20	Participated	-
44	Webinar On "Selection Of Appropriate Statistical Tools : A Critical Way For Successful Research "	St.Mary's College , Thoothukudi	12.05.20	Participated	-
45	Online Workshop "Advanced Statistical Analysis For Social Sciences (Spss,Amos&R)	Vivekanandha College Of Arts And Science For Women , Namakkal	13.05.20 – 15.05.20	Participated	-
46	Webinar On " Academia – Chat With Edu-Experts"	Catalyst Education And Vibi Skill Counselling And Development Centre	14.05.20	Participated	-

47	Webinar On " Tips And Tricks For Effective Research"	Idhaya College For Women , Kumbakonam	23.05.20	Participated	-
48	Webinar On "How To Teach "	Iqac , Fatima College , Madurai	27.05.20	Participated	-
49	International Webinar On " Improving The Visibility Of Research Work"	Poompuhar College , Melaiyur	28.05.20	Participated	-
50	Webinar On " Insights To Industry 4.0"	S.A Engineering College , Chennai	29.05.20	Participated	-
51	Webinar On " Data Analysis Using Spss"	Parvathy's Arts And Science College , Dindigul	30.05.20	Participated	-
52	Webinar On "Do's And Don'ts In Social Science Research"	Padmavani Arts And Science College For Women	30.05.20	Participated	-
53	International Level Online Panel Discussion "Covid-19 Crisis : The Global Economy Reshaping "	Jain University , Bengaluru	04.06.20	Participated	-
54	International Webinar On " The Economic Impact Of Covid-19"	J.J College Of Arts And Science , Tiruchirappalli	10.06.20 – 11.06.20	Participated	-
55	Virtual National Workshop On "Data Analysis For Business Research "	Innovations Pvt.Ltd & Edify Solutions	20.06.20 – 21.06.20	Participated	-
56	Webinar On " Digital Trends Driving Industry 4.0"	Gyanamite	04.07.20	Participated	-
57	5-Day International Conference	Global Service Learning - 2020	29.07.20 To 02.08.20	Participated	-
58	E-National Conference	Artifical Intelligence In Marketing	23.12.20	Presented	A Study On Effect Of E-Commerce On Customer Satisfaction
59	National Level Webinar	Nethaji The Great	29.01.21	Participated	-
60	National Webinar On Research Funding Opportunities	Cardamom Planers' Association College , Bodinayakanur	20.04.21	Participated	-
61	National Workshop On Non Parametric Test In Research Data Analysis	Shasun Jain College For Women , Chennai	18.06.21	Participated	-

62	Workshop On Creation Of Research Id's	Patrician College Of Arts And Science , Chennai	03.07.21	Participated	-
63	Workshop On Promoting Research Through High Citation	Shasun Jain College For Women , Chennai	29.10.21	Participated	-
64	National Conference On Application Of Crypto Currency And Block Chain Technology	Karpaga Vinayaga Institute Of Management , Pudukkottai	29.12.21	Presented	A Study On Cryptocurrency In India
65	National Conference on "Innovation and Intelligence-A contemporary perspective"	DEPARTMENT OF MBA, FATIMA INSTITUTE OF MANAGEMENT	14.03.23	PRESENTED	A STUDY ON ROLE OF INNOVATION IN MODERN INDUSTRY
66	INTERNATIONAL CONFERENCE ON MASK	DEPARTMENT OF COMMERCE , SRM INSTITUTE OF SCIENCE AND TECHNOLOGY , CHENNAI	27.03.2023 &28.03.2023	Presented	A STUDY ON SUSTAINABLE DEVELOPMENT AMONG BANKING PROFESSIONAL

47. Articles Published in Journals/Proceedings/Magazines/Books

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Iss. No.	Page No.	ISSN /ISBN	Publisher	Impact Factor
1.	Sedme (Ni-Msme)	Effectiveness Of Micro Finance Towards Alleviation Of Poverty – An Analytical Study	June 2011	38	2	85-94	0970-8464	National Institute For Micro, Small And Medium Enterprises	1.219
2.	Indian Journal Of Applied Research	Investors' Attitude Towards Physical And Electrical Form Of Gold Investment In South India	Oct. 2011	1	1	5-7	2249-555X	Indian Journals.Com	0.348
3.	Indian Journal Of Applied Research	Effect Of Brand Equity On Consumer Purchasing Behavior On Car : Evidence From Car Owners In Madurai District	Dec. 2011	1	4	166-68	2249-555X	Indian Journals.Com	0.348
4.	Zenith – International Journal Of Multidisciplinary Research	Whether Mobile Marketing Increases The Brand Value Of A Car?	Feb. 2012	2	2	422-33	2231-5780	ZIRAF	3.567
5.	International Journal Of Marketing, Financial Services & Management Research	Testing The Random Walk Theory : An Indian Perspective	Oct. - Dec. 2012	1	4	54-61	2277-6788	ZIRAF	0.468
6.	Research Journal Of Social Science & Management (International Journal)	A Study On Entrepreneurial Competencies Among Master Of Business Administration Students In Madurai District	Dec. 2012	2	8	1-8	2251-1571	TIJ Research Publications Pte. Ltd.,	0.564
7.	International Journal Of Management Research And Review	Financial Literacy Towards Banking Products And Services: A Survey	Mar. 2014	4	3	396-402	2249-7196	Society Of Scientific Research	2.85
8	Shanlax International Journal Of Commerce	Social Entrepreneurship : A Tool For Society Development	Sep. 2017	5	3	25-28	2320-4168	Shanlax	3.017
9	International Research Journal Of Multidisciplinary	Business Restructuring In Pr Fruits Traders	Feb.2018	4	8	323-325	2454-8499	Ijrms	1.359 (Gif)

	Studies								0.679 (IIFS)
10	International Research Journal Of Multidisciplinary Studies	A Study On The Impact Of E-Commerce On Customer Satisfaction With Reference To Four Wheeler Purchase	Feb.2018	4	8	331-336	2454-8499	IJRMS	1.359 (GIF) 0.679 (IIFS)
11	Digital Marketing- A Global Perspective	Role Of Search Engine Optimization (Seo) In Digital Marketing	August 2018	-	-	33-35	978-93-87871-67-0	Shanlax Publications	ISBN
12	Management In Digital Era	A Study On Impact Of Demographic Factor On Life Insurance Demand With Reference To Madurai District	December 2018	1	-	220-231	978-93-86782-60-1	Lordine Nuovo Publications	ISBN
13	An International Conference Contemporary Issues & Futuristic Trends In Management	A Study On Consumer Perception Towards Stone Products With Special Reference To Royal Park In Madurai	February, 2019	6	1	90 - 96	2321-4643	Shanlax Publications	-
14	Parishodh Journal	Gst For Real Estate Sector –Boon Or Bane	February, 2020	Ix	11	2270-	2347-6648	Parishodh Publications	-
15	Eduindex Journal	A Study On Emotional Intelligence Of Employees With Special Reference To Security Service	February, 2020	40	18	492-498	2394-3114	Studies In Indian Place Names	6.1(Peer Reviewed And Listedin Ugc Care)
16	E-National Conference On "Artificial Intelligence In Marketing "	A Study On Effect Of E-Commerce On Customer Satisfaction	December 2020	_	-	32	978-93-87865-74-7	Forschung Publications	ISBN
17	International Journal For Innovative Research In Multidisciplinary Field	A Study On Customer Satisfaction In Digital Marketing Services With Respect To Madurai District	April 2021	7	25	26-30	2455-0620	Research Culture Society And Publication	6.71
18	ShodhaPrabha	A STUDY ON EFFECT OF SOCIAL MEDIA ADVERTISEMENT ON PURCHASE DECISIONS	2023	Vol - 48	1		0974-8946	UGC CARE Approved, Peer Reviewed and Referred Journal	-
19	JOURNAL OF THE ASIATIC SOCIETY OF MUMBAI	A STUDY ON ENTREPRENEURIAL COMPETENCIES AMONG COLLEGE STUDENTS	2023	XCVIX	3		0972-0766	UGC CARE Approved, Peer Reviewed and Referred Journal	-

48. Chapters Published in Books

S. No.	Book Name	Title of the Chapter	Year	Page No.	ISBN	Publisher
1.	Global Marketing Strategies and Practices	Impact of Marketing Strategies During Recession	Oct. 2010	34-36	978-93-80530-17-8	Nehru Institute of Management Studies, Coimbatore
2.	Global Marketing Strategies and Practices	Green Marketing Issues and Strategies	Oct. 2010	343-346	978-93-80530-17-8	Nehru Institute of Management Studies, Coimbatore
3.	Business Strategies for Sustainable Growth	CRM – A Boon for Insurance Business	Oct. 2010	292-296	978-81-9104-721-9	Karpagam College of Engineering, Coimbatore

4.	Globalization and Consumer Protection	The Role of Hallmarking towards consumer protection on Gold	Jan. 2011	707-708	978-81-905380-1-5	Kalasalingam University, Krishnankoil
5.	The Rise of Indian Brands	Impact of Brand Equity on Consumer Purchase Decisions : An Empirical Investigation with Special Reference to Car Owners in Madurai District	Sep. 2011	7-12	978-81-921765-0-5	SRM University, Chennai
6.	Emerging Trends in Managerial Excellence	Leveraging Microfinance is it a Convergence and or Divergence?	Oct. 2011	197-200	978-81-909042-4-7	Sathyabama University, Chennai
7.	Emerging Markets and Issues in Management	Empirical Analysis on Weak Form of Market Efficiency in Emerging Markets – Evidence from India and China	Mar. 2012	96	978-81-921178-7-4	VIT University, Vellore
8	global talent management in the digital era	Talent management : a training strategy	September 2017	115-117	978-93-86537-95-9	shanlax publication , madurai
9	Micro , Small & Medium Enterprises (MSMEs) In indian scenario	Entrepreneurial development schemes and their results in employment opportunities	February 2018	213-219	978-93-86712-19-6	Jayalakshmi publication , madurai
10	RECENT RESEARCHERS IN ARTS AND SCIENCE	A STUDY ON EVOLUTION OF TAX REFORMS IN INDIA	APRIL 2020	209-15	978-81-942871-3-1	OF BY AND FOR YOU PUBLICATION

49. Member in Editorial Board of National/International Journals

- International Journal of Innovative Research In Management Studies (IJIRMS), ISSN Number – 2445-7188, Impact Factor – 0.7261, Member In Advisory Board .

50. Major Assignments

S. No.	Major Assignment	Institution	Theme/Title	Date
1.	Guest Lecture	Department Of Management Studies, Devangar Arts And Science College, Aruppukottai	Employment Opportunity For Management Students	19.08.2015
2.	Guest Lecture	Department Of Management Studies, Gvn College, Kovilpatti	Career Opportunities And Skill Development	08.09.2015
3.	Guest Lecture	Department Of Management Studies, Yadava College (Co-Ed), Madurai	Career Guidance	02.02.2016
4	Guest Lecture	Pg And Research Department Of Commerce , G.Venkataswamy Naidu College (Sfc)	Women Entrepreneurship	03.02.2018
5	Moderator	Department Of Commerce , Lady Doak College	National Conference On Retail	12.01.2018
6	Guest Lecture	Madurai Institute Of Social Science,Madurai	Role Of Entrepreneurs In Economic Development Of India	23.10.2020
7	National Webinar	Sengamala Thayaar Educational Trust Women's College (Autonomous) , Thiruvarur	Entrepreneurs Mentoring And Boosting Your Career	16.06.2021
8	Guest Lecture	Department Of Commerce (Ca) , Mannar Thirumalai Naicker College , Madurai	Data Analysis Using Spss	19.03.2022
9	Guest Lecture	Pg Department Of Commerce , Mannar Thirumalai Naicker College , Madurai	Report Writing	20.05.2022
10	Guest Lecture	Department Of Commerce (Ca) , Mannar Thirumalai Naicker College , Madurai	Research Methods and uses of spss	19.01.2023
11	National workshop	department of commerce , srm institute of science and technology , ramapuram campus, chennai	social entrepreneurship	23.02.2023

12	Guest Lecture	Department Of Commerce (Ca) , Mannar Thirumalai Naicker College , Madurai	BUSINESS OPPORTUNITIES FOR ENTREPRENEURSHIP	31.08.2023
12	Guest Lecture	Department Of Commerce (Ca) , Mannar Thirumalai Naicker College , Madurai	UNLOCKING SPSS	15.07.2024

51. Achievements

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	Best Paper Award	article titled " impact of brand equity on customer purchase decision : an empirical investigation with special reference to car owners	srm university , vadapalani , Chennai	8th &9th sep 2011

52. Membership in Professional Bodies

- Madurai Management Association from 2014 to Till Date

53. Internships

S. No.	Faculty Name & Designation	Date / Period	Purpose	Name of the Industry / Organisation	Place
1	Dr.R.Suganya	11.12.17 To 16.12.17	Faculty Internship	Madura Coats Private Ltd	Madurai
2	Dr.R.Suganya	17.12.18-22.12.18	Faculty Internship	Singam Coir Cluster	Singampunari
3	Dr.R.Suganya	02.12.19-07.12.19	Faculty Internship	Tamizha Products	Sivakasi
4	Dr.R.Suganya	21.12.20-26.12.20	Faculty Internship	Icici Securities	Madurai
5	Dr.R.Suganya	02.01.2022-08.01.2022	Faculty Internship	Vertex	Madurai

NAME : S. MARY HELAN FELISTA
POSITION : ASSISTANT PROFESSOR
FACULTY OF : COMPUTER APPLICATIONS (MCA)
PHONE/MOBILE : 8124254173
EMAIL ID : felista.mca@fcmdu.edu.in
DATE OF BIRTH : 08.04.1979
LANGUAGES PROFICIENCY
READ : TAMIL, ENGLISH & HINDI
WRITE : TAMIL, ENGLISH & HINDI
SPEAK : TAMIL & ENGLISH

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	PHYSICS	LADY DOAK COLLEGE, MADURAI	1999
2.	PG	MCA	M. S. UNIVERSITY, TIRUNELVELI	2003
3.	M.PHIL.	COMPUTER SCIENCE	M. K. UNIVERSITY, MADURAI	2008
	PH.D	COMPUTER SCIENCE	MEENAKSHI COLLEGE, MADURAI	2023
4.	CERTIFICATE	. NET FRAMEWORK	NIIT, MADURAI	2009
		ORACLE (VB)	APTECH, VALLIYUR	2002
5.	SLET	COMPUTER SCIENCE	MOTHER TERESA WOMENS UNIVERSITY, KODAIKANAL	2016
6.	NET	COMPUTER SCIENCE		2018
7.	CERTIFICATE	CERTIFICATION ON "INTERMEDIATE SKILLS IN SOFTWARE TESTING WITH VISUAL STUDIO 2013"	MICROSOFT	2015
8.	CERTIFICATE	"PROGRAMMING IN JAVA"	MICROSOFT	2018

9. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	MADURAI KAMARAJ UNIVERSITY	JUNE 2007 – APRIL 2008
2.	ASSISTANT PROFESSOR, FATIMA COLLEGE, MADURAI	JUNE 2008 – TILL DATE

10. Position Held in Fatima

S. No.	Name Of The Position	Duration
1.	Union Member	2012 - 2013
2.	Spoken Tutorial Coordinator	2015- 2017
3.	Hod In-Charge	2016 - 2018
4.	Staff Secretary	2016 - 2017
5.	Iqac Member	2016 - 2018
6.	Web Committee Member	2019 -2020 2021 – Till Date
7.	Web Committee- Coordinator	2020 – 2021
8.	Cyber Security Cell - Coordinator	2019- Till Date
9.	Hod	2020 – Till Date

4. Position Held Outside

S. No.	Name Of The Position	Name Of The Institution	Duration
1.	External Examiner & Question Paper Setter	Madura College, Madurai	2014 – Till Date
2.	External Examiner	Madurai Kamaraj University	2014 – Till Date
3.	Question Paper Setter	Arulanandar College, Karumathur	2015 – 2016
4.	External Examiner	Yadava College, Madurai	2015 – 2016
5.	Question Paper Setter	Thassim Beevi College For Women, Kilakkarai	2016 – Till Date
6.	Question Paper Setter	Jamal Mohammed College, Trichy	2016 – 2017
7.	Question Paper Setter	Sankara College, Kancheepuram	2017-2019 2023-Till Date
8.	Question Paper Setter	The American College, Madurai	2019- Till Date
9.	External Examiner	Vvv College, Viruthunagar	2021 – 2022

5. Areas of Specialization

- **CYBER SECURITY**
- **WEB ENGINEERING**

6. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized By	Date
2.	Fdp	Business Intelligence	Hexaware Technologies, Chennai	10.09.2009
3.	Fdp	Android Applications	Pg Department Of Computer Applications, Fatima College	23.11.2013
1.	Out-Bound Training Programme	Psycho Spiritual Integration	Anugraha, Dindigul	05.02.2014 - 06.02.2014
4.	Fdp	Digital Image Processing – Image J	Ug Department Of Computer Applications & It, Fatima College	07.03.2014
5.	Internship	Software Testing Tools	Eminent Technologies, Madurai	15.12.2014 - 19.12.2014
6.	Internship	Software Engineering And Quality Assurance	Tandem Infotech, Madurai	15.12.2015 - 18.12.2015
7.	Training Programme	Awareness Event On "Stsp – Taking It Training To Colleges"	Mannar Thirumalai Naicker College, Madurai	30.12.2016
8.	Internship	Android Databases, Android Testing	Bluegenie Technologies, Madurai	08.01.2017 - 11.01.2017
9.	Internship	Mobile Communication & Networking	Tandem Infotech, Madurai	22.01.2018 – 25.01.2018
10.	Internship	Internet Of Things	Pantech Solutions, Madurai	17.12.2018 - 19.12.2018
11.	Fdp	Sky Campus –The Future Here Now - Season 3	Ict Academy (A Govt Initiative)	27.04.2020 - 01.05.2020
12.	Fdp	Effective Usage Of Ict Tools For E_Content Preparation	Jayaraj Annapackiam College For Women, Periyakulam	27.04.2020 – 02.05.2020
13.	Fdp	Research Methodology	Jeppiaar Institute Of Technology	01.05.2020 – 02.05.2020
14.	Fdp	Sky Campus –Digital Knowledge Series - Season 1	Ict Academy (A Govt Initiative)	09.04.2020 – 11.04.2020 & 13.04.2020 – 18.04.2020
15.	Fdp	Teaching Tamil Language Through User Friendly Online Tools	Vellalar College For Women	22.04.2020
16.	Fdp	Use Of Artistical Tools And Techniques For Social Science Research	Davangere University	20.04.2020 – 23.04.2020
17.	Fdp	Sky Campus –Leading In A Vuca World - Season 2	Ict Academy (A Govt Initiative)	20.04.2020 – 24.04.2020
18.	Fdp	R- Programming	S.K.N Sinhgad College Of Engineering	30.04.2020 – 05.052020
19.	Fdp	Python 3.4.3	Sri Gvg Visalakshi College For Women, Udumalpet	01.05.2020 - 05.05.2020
20.	Fdp	Effective Research And Proposal Writing	Sri Adi Chunchanagiri Women's College, Cumbum	13.05.2020

21.	FDP	NAAC AWARENESS PROGRAMME FOR FACULTY	MARATHWADA MITRAMANDAL'S INSTITUTE OF TECHNOLOGY, PUNE	14.05.2020
22.	FDP	SOFTWARE PROJECT MANAGEMENT USING ARTIFICIAL INTELLIGENCE	THE AMERICAN COLLEGE, MADURAI	14.05.2020 & 15.05.2020
23.	FDP	TECHNIQUES IN ENHANCING TEACHING AND LEARNING SKILLS	IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM	15.05.2020 – 19.05.2020
24.	FDP	NEW DIRECTIONS AND DIMENSIONS IN HIGHER EDUCATION	ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN, DINDIGUL	09.05.2020 - 15.05.2020
25.	FDP	SKY CAMPUS –THE FUTURE OF SKILLS, EDUCATION, EMPLOYMENT & ENTREPRENEURSHIP - SEASON 5	ICT ACADEMY (A GOVT INITIATIVE)	11.05.2020 - 15.05.2020
26.	FDP	CLOUD APPLICATIONS - AN INTRODUCTION	NALLAMUTHU GOUDER MAHALINGAM COLLEGE, POLLACHI	13.05,2020 – 15.05.2020
27.	FDP	E_LEARNING TOOLS	THE AMERICAN COLLEGE, MADURAI	16.05.2020 & 17.05.2020
28.	FDP	SKY CAMPUS –FUTURE OF TECH 2020- SEASON 6	ICT ACADEMY (A GOVT INITIATIVE)	18.05.2020 - 22.05.2020
29.	FDP	HOW TO TEACH ONLINE?	IDEAL COMPUTER ACADEMY	22.05.2020 – 26.05.2020
30.	FDP	ARTIFICIAL INTELLIGENCE	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	22.05.2020 – 26.05.2020
31.	FDP	CYBER SECURITY & MALWARE ANALYSIS	CMR ENGINEERING COLLEGE, HYDARABAD	26.05.2020 & 27.05.2020
32.	FDP	SKY CAMPUS – ACCELERATING INDUSTRY 4.0 - A POST COVID PARADIGM-SEASON 7	ICT ACADEMY (A GOVT INITIATIVE)	26.05.2020 - 29.05.2020
33.	FDP	MOODLE LEARNING MANAGEMENT SYSTEM	MANNAR THIRUMALAI NAICKER COLLEGE	06.06.2020 – 10.06 2020
34.	FDP	ELECTRONICS AND DATA SECIENCE	BALARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALARI, KARNATAKA	01.06.2020 – 06.06.2020
35.	FDP	PYTHON 3.4.3 & PYTHON DJANGO	CMR ENGINEERING COLLEGE, HYDERABAD	08.06.2020 – 13.06.2020
36.	FDP	ONLINE FDP ON PROGRAM ON PHP & MYSQL	J D COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR	17.06.2020 – 22.06.2020
37.	FDP	HOW TO DEVELOP E-CONTENT AND AUTO GENERATE E-CERTIFICATE USING GOOGLE FORMS	NANDHA ARTS AND SCIENCE COLLEGE	07.05.2020
38.	FDP	SKY CAMPUS –THE FUTURE OF EDUCATION, EMPLOYMENT & ENTREPRENEURSHIP - SEASON 4	ICT ACADEMY (A GOVT INITIATIVE)	04.05.2020 – 08.05.2020
39.	FDP	PROGRAM ON SCILAB	J D COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR	08.06.2020 – 13.06..2020
40.	FDP	MOTIVATIONAL SPEECH	PSGR KRISHNAMMAL COLLEGE FOR WOMEN	08.05.2020 & 09.05.2020
41.	FDP	RECENT RESEARCH ISSUES ON DIGITAL IMAGE PROCESSING	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	24.05.2021 - 28.05.2021

42.	FDP	RESEARCH AVENUES IN MACHINE LEARNING	IQAC, AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI	21.09.2021 – 23.09.2021
43.	FDP	TECHNOLOGIES FOR EFFECTIVE TEACHING, LEARNING AND EVALUATION	IQAC, AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI	23.09.2021 – 25.09.2021
44.	FDP	TECHNOLOGIES FOR THE NEW ERA"	CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY	22.02.2022
45.	FDP	VIRTUAL INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME "AUTO ML"	LADY DOAK COLLEGE MADURAI	04.03.2022
46.	FDP	VIRTUAL FDP ON RECENT ADVANCEMENTS IN COMPUTER SCIENCE	SRNM COLLEGE, SATTUR & ICT ACADEMY, CHENNAI	21.03.2022 - 25.03.2022
47.	FDP	VIRTUAL FDP ON PYTHON APPLICATION DEVELOPMENT USING DJANGO FRAMEWORK	DEPT. OF COMPUTER SCIENCE AND ENGINEERING & INFORMATION TECHNOLGY, CMR ENGINEERING COLLEGE, HYDERABAD.	13.04.2022 – 17.04.2022
48.	FDP	Emotional Intelligence	Ict Academy	22.09.2022 – 24.09.2022
49.	FDP	VIRTUAL NATIONAL FDP ON RECENT ADVANCEMENTS IN COMPUTING TECHNOLOGY	DEPT. OF COMPUTER SCIENCE, SRNM COLLEGE, SATTUR	13.02.2023 – 17.02.2023
50.	FDP	NATIONAL LEVEL ONLINE FDP ON AWS USING DEVOPS.	DEPT. OF COMPUTER SCIENCE AND ENGINEERING & INFORMATION TECHNOLGY, CMR ENGINEERING COLLEGE, HYDERABAD	26.06.2023 – 30.06.2023
51.	INTERNSHIP	ONE-WEEK INTERNSHIP PROGRAMME IN BACKEND DEVELOPMENT WITH NODE.JS AND MONGODB	MARCELLO TECH, TRICHY	17.07.2023 - 23.07.2023
52.	WORKSHOP	TWO DAY NATIONAL LEVEL ONLINE WORKSHOP ON "CHAT GPT & AI TOOLS TO SAVE 2 HOURS OF WORK DAILY"	DEPARTMENT OF ARTIFICIAL INTELLIGENCE, MANNAR THIRUMALAI NAICKER COLLEGE	27.07.2023 & 28.07.2023
53.	FDP	FIVE DAY FACULTY DEVELOPMENT PROGRAM ON "POWER OF VISUALIZATION IN ANALYTICS"	DEPARTMENTS OF IT, CSE, CSE(AI&ML), BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN	16.08.2023 - 21.08.2023
54.	ORIENTATION	BRIDGE 2023 - MADURAI	ICT ACADEMY	30.09.2023
55.	WORKSHOP	ONE-DAY WORKSHOP IN ADVANCED FLUTTER MOBILE APP DEVELOPMENT WITH CUSTOM AUTHENTICATION AND API INTEGRATION	MARCELLO TECH, TRICHY	26.11.2023
56.	FDP	FIVE-DAY FACULTY DEVELOPMENT PROGRAMME ON "FUNDAMENTALS OF CYBER SECURITY: TOOLS AND TECHNIQUES"	THE SCHOOL OF COMPUTER SCIENCE AND ENGINEERING	11.12.2023 - 15.12.2023
57.	WORKSHOP	TWO-DAY WORKSHOP ON "FULL STACK WEB DEVELOPMENT"	MARCELLO TECH, TRICHY	24.12.2023 - 25.12.2023

58.	FDP	THREE DAY INTERNATIONAL ONLINE FDP ON AI TOOLS FOR RESEARCH AND PUBLISHING	DEPARTMENT OF ARTIFICIAL INTELLIGENCE, MANNAR THIRUMALAI NAICKER COLLEGE	14.02.2024 - 16.02.2024
59.	FDP	VIRTUAL FACULTY DEVELOPMENT PROGRAM ON NAVIGATING THE FRONTIERS OF AI	DEPARTMENT OF INFORMATION TECHNOLOGY IN ASSOCIATION WITH THE CENTER FOR FACULTY DEVELOPMENT, ST. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI	04.03.2024 - 08.03.2024
60.	INTERNSHIP	INTERNSHIP ON BACKEND DEVELOPMENT WITH NODE.JS AND MONGO DB.	MARCELLO TECH, TRICHY	17-07-2023 – 23-07-2023
61.	FDP	ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON "PUBLISHING IN HIGH – IMPACT JOURNALS: STRATEGIES FOR EFFECTIVE WRITING AND LEVERAGING AI IN RESEARCH	BCIPS, DELHI	22.07.2024 - 26.07.2024
62.	FDP	ONE WEEK NATIONAL LEVEL ONLINE FACULTY DEVELOPMENT PROGRAMON OUTCOME BASED EDUCATION AND APPLICATION OF GENERATIVE AI IN TEACHING AND RESEARCH	THE IQAC OF VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY, GUNTUR, ANDHRA PRADESHAND THE IQAC OF SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR, KARNATAKAIN ASSOCIATION WITH IPSR SOLUTIONS LIMITED	24.07.2024 - 31.07.2024
63.	WORKSHOP	TWO DAY NATIONAL LEVEL ONLINE WORKSHOP ON CHAT GPT & AI TOOL TO SAVE 2 HOURS OF WORK DAILY	DEPT OF AI,MANNAR THIRUMALAI NAICKER COLLEGE,MADURAI	27-07-2023 & 28-07-2023
64.	WORKSHOP	ONE DAY NATIONAL LEVEL ONLINE WORKSHOP ON ADVANCED FLUTTER MOBILE APP DEVELOPMENT WITH CUSTOM AUTHENTIATION AND API INTEGRATION	MARCELLO TECH, TRICHY	26.11.2023
65.	FDP	FIVE DAY FACULTY DEVELOPMENT PROGRAM ON POWER OF VISUALIZATION IN ANALYTICS ORGANIZED BY	DEPT OF IT,CSE,CSE(AI&ML),BVRIT HYDERABAD COLLEGE OF	16-08-2023 - 21-08-2023
66.	FDP	FIVE DAY FACULTY DEVELOPMENT PROGRAM ON EDGE CUTTING TECHNOLOGIES IN IT FIELD	PG DEPARTMENT OF COMPUTER SCIENCE, RAJAPALAYAM RAJU'S COLLEGE	19-09-2023 – 23-09-2023
67.	WORKSHOP	ONE DAY NATIONAL LEVEL ONLINE WORKSHOP ON ADVANCED FLUTTER MOBILE APP DEVELOPMENT WITH CUSTOM AUTHENTIATION AND API INTEGRATION	MARCELLO TECH, TRICHY	26.11.2023

68.	INTERNSHIP	BACKEND BASICS:BUILDING WITH JAVA SCRIPT AND NODE.JS	MARCELLO TECH, TRICHY	01-12-2023 - 07-12-2023
69.	FDP	FIVE DAY FACULTY DEVELOPMENT PROGRAM ON FUNDAMENTALS OF CYBER SECURITY:TOOLS AND TECHNIQUES	SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, VIT, CHENNAI	11-12-2023 - 15-12-2023
70.	WORKSHOP	TWO DAY WORKSHOP ON FULL STACK WEB DEVELOPMENT	MARCELLO TECH, TRICHY	24.12.2023 & 25.12.2023
71.	OUT-BOUND TRAINING PROGRAMME	HEALING THE INNER CHILD	ANUGRAHA INSTITUTE OF COUNCELLING, PSYCOTHERAPY AND RESEARCH, DINDIGUL	05-02-2024 & 06-02-2024
72.	FDP	THREE DAY INTERNATIONAL LEVEL ONLINE FDP ON AI TOOLS FOR RESEARCH AND PUBLISHING	DEPT OF ARTIFICAIAL INTELLIGENCE, MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI	14-02-2024 - 16-02-2024
73.	FDP	FIVE DAYS ONLINE FDP ON INNOVATIVE COMPUTING TECHNOLOGIES FOR HEALTH CARE SYSTEMS.	DEPT OF COMPUTER SCIENCE & ENGINEERING, ST. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH,CHENNAI	19-02-2024 - 23-02-2024
74.	WORKSHOP	TWO DAY P ON AI FOR IMAGE PROCESSING, COMPUTER VISION & ROBOTICS.	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	01.03.2024 & 02.03.2024
75.	WORKSHOP	TWO DAY NATIONAL LEVEL ONLINE WORKSHOP ON EXPLORING CUTTING- EDGE AI TOOLS: GOOGLE GEMINI, META AI AND PERPLEXITY	DEPT OF ARTIFICAIAL INTELLIGENCE, MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI	22.10.2024 – 23.10.24
76.		THREE-DAY NATIONAL LEVEL WORKSHOP ON PHD RESEARCH AND REPORTING STRATEGIES: NAVIGATING THE THESIS COMPLETION PROCESS.	THE INSTITUTE FOR SCHOLARLY RESEARCH AND TRAINING, CHENNAI	24.20.2024 - 26.10.2024

7. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. NO.	PROGRAMMES	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
1.	NATIONAL CONFERENCE ON "RECENT TRENDS IN ADVANCED COMPUTING"	KLN COLLEGE OF IT, POTTAPALAYAM	10.04.2008 & 11.04.2008	PRESENTED	A STUDY ON THE FOUR – PHASE MODEL FOR THE SUCCESS OF SOFTWARE PROJECTS
2.	WORKSHOP ON "UNDERSTANDING AND HANDLING STRESS"	TOPKIDS, MADURAI	10.09.2009	PARTICIPATED	-

3.	Seminar On "Research Methodology In Data Mining"	Tsm, Madurai	25.03.2010 & 26.03.2010	Participated	-
4.	National Conference On "Computing & Communication Engineering"	Agni College Of Technology, Chennai	28.03.2014	Presented	Secured Way To Preserve Image Quality Using Watermarking
5.	National Conference On "Computer Science & Applications"	Mepco Schlenk Engineering College, Sivakasi	05.03.2014	Presented	Palm Prints Recognition & Deployment
6.	National Conference On "Computer Science & Applications"	Mepco Schlenk Engineering College, Sivakasi	05.03.2014	Presented	Analysis On Biometrics And Face Recognition Techniques
7.	International Conference On Intelligent Computing Applications	Bharathiar University, Coimbatore	06.03.2014 & 07.03.2014	Presented	Designing Alternative Approach For Water Jug Problem
8.	International Conference On "Big Data Analysis And Distributed Systems"	Dept Of Computer Science, Periyar University College Of Arts And Science, Pennagaram	12.09. 2014	Presented	A Comparative Study On Software Engineering And Web Engineering
9.	State Level Workshop On Mat Lab	Dept Of Maths, Fatima College	21.01.2015	Participated	
10.	National Seminar On "Recent Trends In Web Technologies"	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi	20.02.2015	Presented	Intrusion Detection System For Image Edge Detection
11.	National Conference On "Bigdata Conference 15"	Rathinam College Of Arts And Science, Coimbatore	19.09.2015	Presented	Tailored Software Engineering Model For Web Applications
12.	Workshop On "All About Cloud Computing"	Tandem Infotech, Anna Nagar, Madurai	20.09.2015	-	-
13.	International Conference On Advanced It Engineering And Management [Sacaim 2014]	Dept Of Computer Science, St. Aloysius College, Mangalore	14.10.2015 15.10.2015	Presented	A Genteel Requirement Engineering For Web Applications
14.	International Conference On "Application Fabrics"	Departments Of It, Madurai Sivakasi Nadars Pioneer Meenakshi Womens College & Poovanthi	23.12.2015	Presented	Refined Engineering Approach For Web Applications
15.	National Workshop On "Matlab"	Dept. Of Computer Science, M.V. Muthiah Government Arts College For Women, Dindigul.	25.02.2016	Participated	-

16.	National Conference On "Recent Trends In It Technologies"	Mangayarkarasi College Of Arts & Science, Madurai	27.08.2016	Presented	Attacks And Defenses Network Security
17.	National Conference On "Future Research Perspectives In Computer Science And Information Technology	Arul Anandar College, Karumathur	21.02.2017 22.02.2017	Presented	An Direct Comparision Method To The Water Jugs Problem
18.	International Multidisciplinary Conference On "Information Science, Management Research And Social Sciences	Alpha Arts And Science College, Porur, Chennai	24.02.2017	Presented	Trounce Knowledge Management Barriers
19.	National Conference On " Innovative Computing Technologies"	Arulanandar College, Karumatur	22.02.2018	Presented	Cyber Security In E-Governance Using Cyber Crime Technologies
20.	International Conference On "New Horizon In It"	Senthamarai College Of Arts & Science	24.02.2018	Presented	Software Testing Against Web Application Testing
21.	National Conference On " Recent Perspectives On Iot & Bigdata"	Nadar Saraswathi College, Theni	09.02.2018, 10.02.2018	Presented	Edge Enlightening Steganography With Embedding & Extracting A Cover Writing
22.	International Conference On New Frontiers In Mathematics And Computing	Lady Doak College, Madurai	18.02.2019 & 19.02.2019	Presented	An Appraisal On Image Blurring And Denoising Techniques
23.	Webinar On Importance Of Patents & Copyrights In Higher Educational Institutions	Rathnavel Subramaniam College Of Arts & Science	02.05.2020	Participated	-
24.	Webinar On Women Safety & Security	Dr. M.G.R. Educational And Research Institute, Chennai	02.06.2020	Participated	-
25.	Webinar On Creation Of Basic E-Content, Animated E-Content, Stop Motion Animation, Editing E-Content, Creating Interactive E-Content And Uploading The E-Content On The Web	Universal Teachers Academy, Puducherry	21.04.2020 - 30.04.2020	Participated	-
26.	Webinar On Future Of Entrepreneurship And Employment Opportunities	Nehru Institute Of Technology	13.05.2020 - 15.05 2020	Participated	-
27.	Webinar On Machine Learning - A Perspective	Nazia College Of Arts And Science	14.05.2020	Participated	-
28.	Webinar On Data Visualization Using R	Lady Doak College, Madurai	15.05.2020 & 16.05.2020	Participated	-

29.	Webinar On Introduction To Animation, Creation Of Animated Objects	Universal Teachers Academy, Puducherry	14.05.2020 – 18.05.2020	Participated	-
30.	Webinar On Introduction To Digital Transformation	S.A Engineering College, Chennai	23.05.2020	Participated	-
31.	Webinar On Introduction To Machine Learning	St. Xavier's College, Jharkhand	23.05.2020	Participated	-
32.	Webinar On Mobile Learning	Iems B-School, Hubli	30.05.2020	Participated	-
33.	Webinar On Machine Learning And Nlp For Enterprise Use Cases	Sjb Institute Of Technology, Bengaluru	06.06.2020	Participated	-
34.	Webinar On Value Of Ieee Research For Technical Institutions	Sjb Institute Of Technology, Bengaluru	06.06.2020	Participated	-
35.	Webinar On Creation Of Photo Album, Animated E-Content, Interactive Evaluation	Universal Teachers Academy, Puducherry	16.06.2020 – 20.06.2020	Participated	-
36.	Webinar On Intellectual Property Rights	Chennai Institute Of Technology	26.06.2020	Participated	-
37.	Webinar On Art Of Writing Research Article And Journal Selection	Madurai Sivakasi Nadars Pioneer Meeakshi Women's College	26.06.2020	Participated	-
38.	Webinar On Exploring Python Libraries For Exploratory Data Analysis And Data Preprocessing	Thassim Beevi Abdul Kader College For Women	27.06.2020	Participated	-
39.	Webinar On Mental Health And Psychosocial Aspects Of Covid Outbreak	Sri Gvg Visalakshi College For Women	07.05.2020	Participated	-
40.	Webinar On Effective Conduct Of Online Classes	Sri Eshwar College Of Engineering, Chennai	08.05.2020	Participated	-
41.	Webinar On Virtual Classes - Are You Ready?	Sri Eshwar College Of Engineering, Chennai	08.06.2020	Participated	-
42.	Webinar On Creating Digital Posters, Creating Of Gif Images	Universal Teachers Academy, Puducherry	04.06.2020 – 08.06.2020	Participated	-
43.	Webinar On Trending In Tech	Thassim Beevi Abdul Kader College For Women	11.06.2020	Participated	-
44.	International Webinar On " Recent Advancements In Machine Learning"	Arul Anandar College, Karumathur, Madurai	18.03.2021 & 19.03.2021	Participated	
45.	National Seminar On Research Issues In Digital Image Processing And Video Analytics	Mepco Schlenk Engineering College, Sivakasi	19.03.2021 & 20.03.2021	Participated	-

46.	International Conference On Contemporary Engineering And Technology 2021	Osiet, Chennai	10.04.2021 & 11.04.2021	Presented	"A Novel Approach To The Web Development Process Model"
47.	Five Day Interdiciplinary Online Workshop On "Advance Teaching. Learning, Research Methodology And Innovations"	St. Francis De Sales College, Nagpur, Maharashtra	O1.06.2021-05.06.2021	Participated	-
48.	Online International Workshop On "Advance Teaching. Learning, Research Methodology And Innovations"	Universal Teachers Academy, Puducherry	14.06 2021-18..06.2021	Participated	-
49.	International Conference On "Emerging Trends In Science, Technology And Mathematics"	Parvathy's Arts And Science College, Dindigul	15.09.2021 & 16.09.2021	Presented	Analysis And Classification Of Prospective Learning Management Systems
50.	One Week National Online Workshop On "Iot And Cloud Computing Tools"	Mepco Scheln Engineering College	20.09.2021 – 24.09.2021	Participated	-
51. 52.	National Webinar On " Advanced Javascript Concept"	K.R. College Of Arts & Science, Kovilpatti	12.10,2021	Participated	
53.	International Conference On "Powering Supply Chain Networks Beyond The Covid'19 Pandemic: Lessons And Way Forward(Icprs2021)"	Binary University, Malaysia	14.10.2021 & 15.10.2021	Presented	Supply Chain Management (Scm) And Logistics Empowered And Reshaped By Artificial Intelligence And Cyber Security
54.	Machine Learning In Bioinformatics	V.V.V Vanniaperumal College For Women, Virudhunaga	02.02.2022	Participated	
55.	Popular Lecture Series, Lecture 2 On "Machine Learning In Bioinformatics"	Sponsored By Department Of Biotechnology (Dbt), Ministry Of Science And Technology, Government Of India, New Delhi. Organized By Vvv College, Virudhunagar.	26.02.2022	Participated	-
56.	National Online Seminar On Research Issues In Digital Image Processsing And Video Analytics.	Mepco Schlenk Engineering College, Sivakasi.	18.03.2022 & 18.03.2022	Participated	-

57.	International Conference On Recent Trends In Engineering & Technology (Kicrtet 2022)	Department Of Cse, Ece,Eie, Eee, It & Mtre, Kamaraj College Of Engineering & Technology, Virudhunagar	08.04.2022 & 09.04.2022	Presented	Secure Multimodal Biometrics Using Deep Hashing
58.	International Conference On Recent Trends In Engineering & Technology (Kicrtet 2022)	Department Of Cse, Ece,Eie, Eee, It & Mtre, Kamaraj College Of Engineering & Technology, Virudhunagar	08.04.2022 & 09.04.2022	Presented	Risk Analysis Using Blockchain Technology
59.	International Workshop On Essential Skills For Career Building And Development	Iqac, Annamalai University	11.01.2023	Participated	-
60.	State Level Seminar On Intellectual Property Rights	Department Of Bca, The American College, Marurai.	03.02.2023	Participated	-
61.	International Seminar Entitled "Digital Needs In Modern World" Organized	Department Of Computer Science, Annai Fathima College Of Arts & Science, Madurai	26.08.2023	Participated	-
62.	National Level Webinar On Data Investigation Through Eda Using Python	Department Of Data Science, The American College Madurai, Tamil Nadu	23.09.2023	Participated	-
63.	National Conference On "Robotics & Automation"	Department Of Information Technology & Management, Arul Anandar College (Automous), Karumathur	23.02.24	Presented	Methods To Safeguard Internet Of Medical Things(Iomt) Devices: Needs, Security Reuirements, Design Challenges
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8. Guest Lecture Delivered

S. No.	Title	Organization	Date
1.	Cyber Awareness Programme For Cluster College Students	Sermathai Vasan College Of Arts And Science, Madurai	25.02.2020

9. Major Assignments (Resource Person /Chief Guest / Chair Person etc.)

S. No.	Faculty Name & Designation	Resource Person/ Chief Guest/ Chair Person Specify	Institution /Organization	Name Of The Event / Programme With Title / Theme	Title / Theme Of Talk	Place	Date
1.	S. Mary Helan Felista & Assistant Professor	Resource Person	St. Xavier's College, Jaipur.	Cyber Security Workshop	Ethical Hacking In Cyber Security	Online(Zoom)	Nov.30,2022

NAME : R. SMEETA MARY
POSITION : ASSOCIATE PROFESSOR
FACULTY OF : DEPARTMENT OF MCA
PHONE/MOBILE : 978844524
EMAIL ID : Smeetamaryr@Gmail.Com
DATE OF BIRTH : 24.05.1983
LANGUAGES PROFICIENCY
READ : TAMIL & ENGLISH
WRITE : TAMIL & ENGLISH
SPEAK : TAMIL & ENGLISH

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMPUTER SCIENCE	M.V.M. COLLEGE, DINDIGUL	2002
2.	PG	MCA	GANDHIGRAM RURAL UNIVERSITY, GANDHIGRAM	2005
3.	M.PHIL.	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY, MADURAI	2008
4.	CERTIFICATE	CERTIFICATION ON "INTERMEDIATE SKILLS IN SOFTWARE TESTING WITH VISUAL STUDIO 2013"	MICROSOFT	2015
25.	CERTIFICATE	"PROGRAMMING IN JAVA"	MICROSOFT	2018
6.	PHD	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY, MADURAI	2022

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	ASSOCIATE PROFESSOR, FATIMA COLLEGE, MADURAI	JUNE 2008 - TILL DATE

3. POSITION HELD IN FATIMA

S. NO.	NAME OF THE POSITION	DURATION
1.	STAFF SECRETARY, STAFF CLUB	2015 – 2016
2,	FONDE - MEMBER	2016 - TILL DATE
3.	CERTIFICATE COURSE COORDINATOR	2022 - TILL DATE

4. AREAS OF SPECIALIZATION

- DATA MINING
- ARTIFICIAL INTELLIGENCE
- COMPUTER GRAPHICS
- COMPUTER NETWORKS

5. Orientation/Refresher/Training Programmes/Fdp Attended

S. No.	Programmes	Theme	Organized By	Date
1.	Training Programme	Out Bound Pre Placement Training	Indian Institute Of Training And Development, Vadipatti	18.01.2013 & 19.01.2013
2.	Fdp	Business Intelligence	Hexaware Technologies, Chennai	10.09.2009
3.	Fdp	Android Applications	Pg Department Of Computer Applications, Fatima College Madurai	23.11.2013
4.	Fdp	Digital Image Processing – Image J	Ug Department Of Computer Applications & It, Fatima College Madurai	07.03.2014
5.	Internship	Web Technologies	Valley Creek, Dindigul	08.12.2015 - 11.12.2015
6.	Internship	Web Designing	Valley Creek, Dindigul	18.12.2016 - 21.12.2016
7.	Internship	Web Technologies Using Php	Vels Technologies, Madurai	01.12.2015 - 04.12.2015
8.	Internship	Mobile Communication & Networking	Tandem Infotech, Madurai	11.12.2017 – 25.01.2017
9.	Fdp	Effective Usage Of Ict Tools For E-Content Preparation	Jayaraj Annapackiam College	27.04. 2020 - 02.05. 2020
10.	Online Course	Quantitative Aptitude	Jamal Mohamed College, Tiruchirappalli	03.05.2020
11.	Fdp	Python 3.4.3	Sri Gvg Visalakshi College For Women, Udumalpet	01.05.2020 – 05.05. 2020
12.	Fdp	Current Trends In Software Engineering: Agile And Devops	Kristu Jayanti College, Bengaluru	28.04.2020 – 30.04.2020
13.	Fdp	Digital Tools For Smart Classrooms In Higher Education	Jayaraj Annapackiam College	06.05.2020 - 07.05.2020
14.	Fdp	"Software Project Management Using Ai"	American College, Madurai	14.05.2020 - 15.05.2020
15.	Fdp	"E-Learning Tools"	American College, Madurai	16.05.2020 - 17.05.2020
16.	Fdp	Data Science – Research Opportunities	Sri Ramakrishna College Of Arts & Science	25.05.2020
17.	Fdp	E Content Development Using Multimedia Tools	Psg Polytechnic College, Coimbatore	08.05.2020 - 12.05.2020
18.	Fdp	R-Programming	Skn Sinhgad College Of Engineering, Maharashtra	30.04.2020 – 05.05.2020
19.	Fdp	Resetting Minds In Upsetting Times	Fatima College, Madurai	26.06.2020
20.	Fdp	Digital Teaching Techniques	Ict Academy	07.09.2020 – 12.09.2020
21.	Fdp	Sky Campus –The Future Here Now - Season 3	Ict Academy (A Govt Initiative)	27.04.2020 - 30.04.2020
22.	Fdp	Sky Campus –The Future Of Skills, Education, Employment	Ict Academy (A Govt Initiative)	11.05.2020 –

		& Entrepreneurship - Season 5		15.05.2020
23.	Awareness Programme	Information Communication Technology	Bharat College Of Engineering, Badlapur.	20.06. 2020
24.	Awareness Programme	Economic Stimulus By Govt Of India To Tackle Pandemic Crisis	S.K.S.S Arts College, Triruppanandal	16.05. 2020
25.	Awareness Programme	Ugc Paper-I Online Test Series	Patrician College Of Arts And Science, Chennai	18.05.2020-25.05.2020
26.	Awareness Programme	National Level E-Quiz	Jayaraj Annapackiam College	06.06.2020
27.	Awareness Programme	Artificial Intelligence	Gnanamani College Of Technology, Namakkal	20.05.2020
28.	Awareness Programme	Impact Of Covid-19 On Global Economy	Arulmigu Palaniandavar Arts College For Women, Palani	22.05.2020
29.	Awareness Programme	Awareness On Covid-19	Sri Ramakrishna College Of Arts And Science	19.05.2020
30.	Certificate Course	Digital Teaching Techniques	Ict Academy	07.09.2020 – 12.09.2020
31.	Fdp	Digital Teaching Methods In Higher Education	Hindustan College Of Arts And Science, Coimbatore	23.08.2021 – 28.08.2021
32.	Webinar	Give Your Stress Wings And Let It Fly Away	St. Franis De Sales College, Nagpur	11.09.2021
33.	Webinar	Ipr Patent Design	St. Franis De Sales College, Nagpur	14.09.2021
34.	Webinar	Recent Development In Ai And Their Impact On Religion And Society	St. Franis De Sales College, Nagpur	18.09.2021
35.	Workshop	Robotic Process Automation Design & Development	St. Franis De Sales College, Nagpur	20.09.2021 – 24.09.2021
36.	Workshop	Iot And Cloud Computing Tools	Dept. Of Computer Applications, Mepco Scheln Engineering College	20.09. 2021 – 24.09. 2021
37.	Fdp	Research Avenues In Ml	Ayya Nadar Janaki Ammal College, Sivakasi	21.09.2021 – 23.09.2021
38.	Virtual National Fdp	Recent Advancements In Computing Technology	Dept. Of Computer Science, Srnm College, Sattur	13.02.2023-17.02.2023
39.	Virtual National Fdp	Aws Using Devops	Cmr Engineering College, Hyderabad	26.06.2023 - 30.06.2023

6. National/International Seminar, Workshop, Conference & Symposium

S. No.	Programmes	Organized By	Date	Participated / Presented	Title Of The Paper
1.	Workshop On "Understanding And Handling Stress"	Topkids, Madurai	10.09.2009	Participated	-
2.	National Conference On "Communication Networks And Computing"	Karpagam University, Coimbatore	08.02.2013	Presented	Network And Information Security In Osi Model
3.	National Conference On "Computer Science & Applications"	Mepco Schlenk Engineering College, Sivakasi	05.03.2014	Presented	Palm Prints Recognition & Deployment
4.					Analysis On Biometrics And Face Recognition Techniques
5.	International Conference On "Intelligent Computing Applications"	Bharathiar University, Coimbatore	06.03.2014 & 07.03.2014	Presented	Automatic Identification And Detection Of Altered Fingerprints
6.					Designing Alternative Approach For Water Jug Problem
7.	National Conference On "Computing & Communication Engineering"	Agni College Of Technology, Chennai	28.03.2014	Presented	Improved Method For Brain Tumor Detection Using Segmentation
8.					Secured Way To Preserve Image Quality Using Watermarking
9.	National Conference On "Innovations In Information & Communication Technology"	Psg College Of Technology, Coimbatore	25.04.2014 & 26.04.2014	Presented	Off-Line Signature Recognition And Verification
10.	National Conference On Computational Intelligence For Engineering Quality Software	Coimbatore Institute Of Technology, Coimbatore	21.08.2014 & 22.08.2014	Presented	An Alternative Arithmetic Approach To The Water Jugs Problem
11.	National Seminar On "Recent Trends In Web Technologies"	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi	20.02.2015	Presented	Increasing Tree Search Efficiency For Constraint Satisfaction Problems
12.	National Conference On "Bigdata Conference 15"	Rathinam College Of Arts And Science, Coimbatore	19.09.2015	Presented	Improved Increasing Tree Search Efficiency For Constraint Satisfaction Problems
13.	Workshop On "Web Designing"	Nadar Saraswathi College, Theni	28.08.2015 & 29.08.2015	Participated	-
14.	National Conference On "Application Fabrics"	Madurai Sivakasi Nadar Pioneer Meenakshi Women's	23.12.2015	Presented	Verification And Validation Of Deadlock Detection In Artificial Intelligence

15.					A Cognitive Method To Solve Water Jugs Problems
16.	National Conference On "Recent Trends In It Technologies"	Mangayarkarasi College Of Arts & Science	27.08.2016	Presented	Designing A Process Model For Water Jugs Problem
17.	Enhanced Clustering And Privacy Preserving On Big Datasets	St.Joseph's College(Autonomous), Trichirappalli	02.02.2017	Participated	-
18.	International Conference On "2nd World Congress On Computing And Communication Technologies – Wccct 2016	St.Joseph's College (Autonomous), Trichirappalli	03.02.2017 04.02.2017	Presented	An Algorithm Arithmetic Approach To The Water Jugs Problem
19.	National Conference On "Future Research Perspectives In Computer Science And Information Technology	Arul Anandar College, Karumathur	21.02.2017 22.02.2017	Presented	An Direct Comparision Method To The Water Jugs Problem
20.	International Multidisciplinary Conference On "Information Science, Management Research And Social Sciences	Alpha Arts And Science College, Porur, Chennai	24.02.2017	Presented	Biometric Security System Traits
21.	National Conference On " Recent Perspectives On Iot & Bigdata"	Nadar Saraswathi College, Theni	09.02.2018, 10.02.2018	Presented	Enhanced Technique For Brain Tumour Revealing Using Segmentation
22.	National Conference On " Innovative Computing Technologies"	Arulanandar College, Karumatur	22.02.2018	Presented	A Multi Biometric Structure – Finger, Iris, Fuzzy Fusion
23.	International Conference On "New Horizon In It"	Senthamarai College Of Arts & Science	24.02.2018	Presented	Software Testing Against Web Application Testing
24.	E-Content Development Webinar	Government Of Maharashtra's Rajaram College, Kolhapur	10.04. 2020	Participated	-
25.	"An Effective Research Paper Writing Skills"	Bhagwan Mahavir College Of Commerce And Management Studies, Surat Gujarat	13.04.2020 – 16.04. 2020	Participated	–
26.	"Intellectual Property For Business"	British Library	22.04. 2020	Participated	–
27.	"Consent & Data"	Balaji Institute Of Technology & Science, Narsampet, Warangal	20.04. 2020	Participated	–

28.	The Art Of Writing Research Papers	Chennai Institute Of Technology, Chennai	29.04.2020	Participated	–
29.	Challenges In Integrating Nano Sensors To Iot Platform	Chennai Institute Of Technology, Chennai	04.05. 2020	Participated	–
30.	Hangout With Successful Startups	Chennai Institute Of Technology, Chennai	04.05.2020	Participated	–
31.	Complexity, Chaos And Coping In Real Life	Pp Savani University, Surat	02.05.2020	Participated	–
32.	Recent Trends In Computer Science	St. Joseph's College, Tiruchirappalli	24.04.2020 & 25.04. 2020	Participated	–
33.	Online Workshop On Recent Advances In Science And Technology Of Concrete	Indian Institute Of Technology Madras, Chennai	02.05.2020	Participated	–
34.	How Are Words Added To The Dictionary?	Pp Savani University, Surat	01.05. 2020	Participated	–
35.	Creation Of Basic E-Content, Animated E-Content, Stop Motion Animation, Editing E-Content, Creating Interactive E-Content And Uploading The E-Content On The Web	Universal Teachers Academy, Puducherry	21.04.2020 - 30.04.2020	Participated	–
36.	Research Challenges In Data Mining	Chennai Institute Of Technology, Chennai	06.05. 2020	Participated	–
37.	Ielts Made Easy	Pp Savani University, Surat	03.05. 2020	Participated	–
38.	Essential Information For Educated Community On Prophylaxis For Covid-19 High Risk	Chennai Institute Of Technology, Chennai	09.05. 2020	Participated	–
39.	Artificial Intelligence	M.G.R Educational And Research Institute, Deemed To Be University, Chennai	26.04. 2020	Participated	–
40.	Value Investing- Key To Create Long Term Wealth	St. Andrew's College Of Arts, Science And Commerce	13.05. 2020	Participated	–
41.	Unleashing Machine Learning And Cloud Computing	Holy Cross College, Trichy	09.05. 2020	Participated	–
42.	How The Teacher Should Be Ready To Handle Post Pandemic Challenges	Chennai Institute Of Technology, Chennai	05.05. 2020	Participated	–

43.	Two Days Webinar On Computing Paradigms	Don Bosco College(Co-Ed), Yelagiri Hills	21.05.2020 & 22.05 2020	Participated	–
44.	Introduction To Animation, Creation Of Animated Objects And Characters, Creation Of Interactive Animation And Evaluation	Universal Teachers Academy, Puducherry	14.05.2020 - 18.04.2020	Participated	–
45.	Ugc Net Exam Tricks & Tips: Preparation Strategy	Professor Academy	18.05.2020 - 20.05.2020	Participated	–
46.	Future Of Entrepreneurship And Employment Opportunities	Nehru Institute Of Technology, Coimbatore	13.05.2020 - 15.05.2020	Participated	–
47.	Challenges And Possible Solutions In Ad-Hoc Networks	Miracle Educational Society Group Of Institution,	15.05. 2020	Participated	–
48.	Modern Teaching Techniques	Dr. Zakir Husain College, Ilayangudi	17.05. 2020	Participated	–
49.	Vichintana Webinar Series 2020	Sree Ayyappa College, Kerela	09.05.2020 - 15.05.2020	Participated	–
50.	Ai Applications And Its Trends In Transforming Business	Rbvrr Women's College	14.05. 2020	Participated	–
51.	Introduction To Image Quality Measures	Chennai Institute Of Technology, Chennai	13.05. 2020	Participated	–
52.	Mindset And Milestones Ahead Of Students Community After Covid-19	K.L.N College Of Engineering, Pottapalayam,	20.05. 2020	Participated	–
53.	International Conference On Innovative Technical Advances In Disaster Management	Adi Shankara Institute Of Engineering And Technology	15.07.2020 - 16.07. 2020	Participated	–
54.	Successful Research Papers: From Concept To Submission	Kakatiya Institute Of Technology And Science, Warangal	13.07.2020	Participated	–
55.	Global Service Learning - 2020	Fatima College, Maduari	29.07.2020 - 02.08.2020	Participated	–
56.	Data Visualization Using R	Lady Doak College, Madurai	15.05.2020 & 16.05. 2020	Participated	–
57.	2nd International Conference On Innovative Trends In Science And Technology	Sarabhai Institute Of Science And Technology, Kerela	15.04.2020	Presented	Mfipa: Fast Algorithm For Mining Association Rules In Large Databases

58.	International Conference On Innovative Technical Advances In Disaster Management	Adi Shankara Institute Of Engineering And Technology, Techown Research & Publication	15.07.2020 & 16.07. 2020	Presented	An Efficient Algorithm For Mining Maximal Frequent Itemsets
59.	Global Congress On Sustainability For Growth And Development – 2020	Nilai University, Malaysia	18.07. 2020	Presented	Comparison Of Association Rule Mining Algorithms In Data Mining: A Survey
60.	Celebrating Womanhood In Challenging Times	Fatima College, Madurai	26.06. 2020	Participated	–
61.	2nd International Conference On Innovative Trends In Science And Technology	Sarabhai Institute Of Science And Technology, Kerala	15.04. 2020	Participated	–
62.	International Conference On Contemporary Engineering And Technology 2021	Osiet, Chennai	10.04.2021 & 11.04.2021	Presented	Analysis On The Intervention Of Bigdata In Iot
63.	International Webinar On Recent Advancements In Machine Learning	Arul Anandar College(Autonomous), Karumathur, Madurai.	18.03.2021 & 19.03.2021	Participated	-
64.	National Seminar On Research Issues In Digital Image Processing And Video Analytics	Mepco Schlenk Engineering College, Sivakasi	19.03.2021 & 20.03.2021	Participated	-
65.	4th International Conference On Emerging Trends In Science, Technology And Mathematics	Parvathy's Arts And Science College, Dindigul	15.09.2021 & 16.09.2021	Presented	Exploring The Application Of Smart Iot Devices Specific To Senior Citizen Care
66.	International Conference On An Analysis On The Convergence Of Artificial Intelligence Techniques In Diabetic Management And Care	Binary University, Malaysia	Oct. 14, 2021 & Oct. 15, 2021	Presented	An Analysis On The Convergence Of Artificial Intelligence Techniques In Diabetic Management And Care
67.	Popular Lecture Series, Lecture 2 On "Machine Learning In Bioinformatics"	Sponsored By Department Of Biotechnology (Dbt), Ministry Of Science And Technology, Government Of India, New Delhi. Organized By Vvv College, Virudhunagar.	26.02.2022	Participated	-

68.	Virtual International Faculty Development Programme "Auto Ml"	Lady Doak College Madurai	04.03.2022	Participated	-
69.	International Workshop On Essential Skills For Career Building And Development	Annamalai University	11.01.2023	Participated	
70.	2nd International Conference On Advances In Data Science: Recent Innovations In Iot And Ai(Icadriia 2023)	Srm Institute Of Science And Technology, Chennai	30.01.2023 & 31.01.2023	Presented	An Analysis Of Artificial Intelligence In Diabetic Management And Care

7. Guest Lecture Delivered

S. No.	Title	Organization	Date
1.	Algorithms Of Water Jug Problems In Artificial Intelligence	N.M.S.S.V.N. College, Madurai	08.08.2015
2.	Artificial Intelligence	Arul Anandar College, Karumathur	18.08.2016
3.	Cyber Awareness Programme For Cluster College Students	Sermathai Vasan College Of Arts And Science, Madurai	25.02.2020
4.	Photo Editing Using Gimp	Immaculate College For Women - Viriyur	16.06.2021

7. Articles Published In Journals/Books

S. No.	Journal/Book Name	Title Of The Article	Month / Year	Vol. No.	Issue No.	Page No.	Isbn/ Issn	Publisher
1.	International Journal Of Computer Applications	An Alternative Arithmetic Approach To The Water Jugs Problem	March 2014	-	-	0975 – 8887	Isbn : 973-93-80884-07-3	Ijca
2.	Computing And Communication Technologies (Wccct)	An Algorithm Arithmetic Approach To The Water Jugs Problem	March 2014	-	-		Isbn : 978-1-5090-5574-6	Ieee Explorer Doi: 10.1109 /Wccct.2016. 59
3.	International Journal Of Emerging Trends & Technology In Computer Science (Ijettcs)	Mafia And Fp-Growth To Detect Cardiovascular Problem	June 2018	7	3		Issn 2278-6856	Ijettcs

4.	Asian Journal Of Computer Science And Technology	An Enhanced Approach To Mine Maximal Frequent Itemset Using Maximal Frequent Itemset Prima Algorithm (Mfipa)	March 2019	8	2	9 - 12	Issn: 2249-0701	The Research Publication
5.	International Journal Of Research And Analytical Reviews	Drift Based Advanced Concept Very Fast Decision Tree Algorithm	June 2019	6	2		E-Issn: 2348-1269,P-Issn 2349-5138	Ijrar
6.	Journal Of Theoretical And Applied Information Technology	Discovery Of Maximal Frequent Itemset Using Prime Algorithm	January 2021	99	2		Issn: 1992-8645 E-Issn: 1817-3195	Jtait
7.	Design Engineering	Very Fast Maximal Frequent Itemset Algorithm: Efficient Mining Algorithm For Maximal Itemsets	June 2021	7	7	4312-4328	Issn: 0011-9342	Design Engineering

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DATE OF BIRTH : 25.08.1982
LANGUAGES PROFICIENCY
READ : ENGLISH, HINDI &TAMIL
WRITE : ENGLISH, HINDI & TAMIL
SPEAK : ENGLISH, HINDI & TAMIL

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMPUTER SCIENCE	G.V.N.COLLEGE, KOVILPATTI	1999 - 2002
2.	PG	MCA	S.F.R. COLLEGE, SIVAKASI	2002-2005
3.	M.PHIL.	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY, MADUIRAI	2008 - 2009
4.	SLET	COMPUTER SCIENCE	MOTHER TERESA WOMENS UNIVERSITY, KODAIKANAL	2016
5.	CERTIFICATE	"INTERMEDIATE SKILLS IN SOFTWARE TESTING WITH VISUAL STUDIO 2013"	MICROSOFT CERTIFICATION	2015
6.	CERTIFICATE	"PROGRAMMING IN JAVA"	MICROSOFT CERTIFICATION	2018
7.	PH.D.	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY, MADUIRAI	REGISTERED ON 22.02.2023

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	SRI KALISWARI COLLEGE, SIVAKASI	2007–2008
2.	ASSISTANT PROFESSOR, FATIMA COLLEGE, MADURAI	2008 – 2010
3.	ASSISTANT PROFESSOR, FATIMA COLLEGE, MADURAI	2011 – TILL DATE

3. Position Held in Fatima

S. No.	Name of the Position	Duration
1.	Green Club	2008– 2010
2.	Placement Cell Co-Ordinator	2012 - 2014
3.	E-content Development Cell	2016 - 2019
4.	ERP Member	2019 - 2020
5.	ERP Co-Ordinator	Since 2021

6. Position Held Outside

S. No.	Name of the Institution	Name of the Position	Duration
1.	Madura College, Madurai	Question Setter	2014 - 2016
2.	Madurai Kamaraj University	External Examiner	2014 – 2016
3.	sankara College, Kanchipuram	Question Setter	2017- Till Date
4.	American College, Madurai	Question Setter & External Examiner	2017 – 2018
5.	Sri Meenakshi College, Madurai	External Examiner	From 2022
6.	V.V.V College, Virudhunagar	External Examiner	From 2022
7.	PSG College of Arts & Science	Question Setter	From 2023

5. Areas of Specialization

- C
- C++
- VB , VC++
- Data Structure
- RDBMS
- Java
- Python
- Cyber Security
- Network Security
- Biometrics

6. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized by	Date
1.	Training programme	out bound pre placement training	Indian Institute of Training and Development	18.01.2013 & 19.01.2013
2.	Faculty Development Programme	Android Applications	PG Department of Computer Applications	23.11.2013
3.	Out-Bound Training Programme	Psycho Spiritual Integration	Anugraha, Dindigul	05.02.2014 - 06.02.2014
4.	Faculty Development Programme	Digital Image Processing – Image J	UG Department of Computer Applications & IT	07.03.2014
5.	Internship	Software Testing Tools	Eminent Technologies, Madurai	15.12.2014 - 19.12.2014
6.	Internship	Software Engineering and Quality assurance	Tandem Infotech, Madurai	15.12.2015 - 18.12.2015
7.	Internship	Android Databases, Android Testing	Bluegenie Technologies, Madurai	18.12.2016- 21.12.2016
8.	Internship	Android Databases, Android Testing	Tandem Infotech, Madurai	11.12.2017- 14.12.2017
9.	Internship	IOT Using Raspberry PI	PantechProEd Pvt. Ltd., Madurai	17-12-2018 – 19-12-2018
10.	Faculty Development Programme	NATIONAL LEVEL ONLINE FDP ON "EFFECTIVE USAGE OF ICT TOOLS FOR E-CONTENT PREPARATION"	JayarajAnnapackiam College for Women, Periyakulam	27.04.2020 – 02.05.2020
11.	Faculty Development Programme	PYTHON 3.4.3	Deppartment of Computer Applications, Sri GVG Visalakshi College for Women, Udumalpet	01.05.2020 - 05.05.2020
12.	Faculty Development Programme	Importance of Patents & Copyrights in Higher Educational Institutions (HEIs)	IPR cell & IQAC, Rathnavel Subramanian College of Arts & Science, Coimbatore	02.05.2020
13.	Faculty Development Programme	HOW TO DEVELOP E-CONTENT AND AUTO - GENERATE E-CERTIFICATE USING GOOGLE FORMS	Nandha Arts & Science College, Erode	07.05.2020
14.	Faculty Development Programme	TWO DAYS ONLINE FDP COURSE ON "MOTIVATIONAL SPEECH"	PSGR Krishnammal College for Women, Coimbatore	08.05.2020 & 09.05.2020
15.	Faculty Development Programme	EFFECTIVE RESEARCH AND PROPOSAL WRITING	Sri AdiChunchanagiri Women's College, Cumbum	13.05.2020
16.	Faculty Development Programme	NATIONAL LEVEL ONLINE FDP ON "SOFTWARE PROJECT MANAGEMENT USING AI"	Department of Computer Science, The American College, Madurai	14.05.2020 & 15.05.2020

17.	Faculty Development Programme	NATIONAL LEVEL ONLINE FDP ON "E-LEARNING TOOLS"	Department of Computer Science, The American College, Madurai	16.05.2020 & 17-05-2020
18.	One Week Online Faculty Development Programme	Online Faculty Development Program on Scilab"	Department of Civil Engineering, J D College of Engineering & Management	08-06-2020 – 13-06-2020
19.	Faculty Development Programme	Techniques in Enhancing Teaching & Learning Skills	IQAC, Idhaya College For Women, Kumbakonam	15.06.2020 – 19.06.2020
20.	Faculty Development Programme	New Directions and Dimensions in Higher Education	IQAC, ArulmiguPalaniandavar Arts College for Women, Dindugul	09.06.2020 – 15-06-2020
21.	Faculty Development Programme	Artificial Intelligence	Department of Computer science & Engineering, Lendi Institute of Engineering & Technology, Kakinada	22-05-2020 – 26-05-2020
22.	Online Live FDP	Introduction to Python Programming	ICT Academy, Skycampus	29-03-2021 – 03-04-2021
23.	Online Live FDP	ICT Tools for Faculty	ICT Academy, Skycampus	17-05-2021 – 21-05-2021
24.	Virtual International Faculty Development Programme	"Auto ML"	Lady Doak College Madurai	04.03.2022
25.	Five Day Faculty Development Programme	Recent Advancements in Computer Science	Sri S Ramasamy Naidu Memorial College, Sattur with ICT Academy	21-03-2022 – 25-03-2022
26.	Five Day Faculty Development Programme	Python Application Development Using DJango Framework	CMR Engineering College, Hyderabad	13-04-2022 – 17-04-2022
27.	One Week Faculty Development Programme	"Amazon Web Services"	T.John Institute of Technology, Bangalore in collaboration with Brainvision Solutions India Pvt. Ltd. & AICTE	22-08-2022 – 27-08-2022
28.	5 days Virtual National FDP	Recent Advancements in Computing Technology	Dept. of Computer Science, SRNM College, Sattur	13.02.2023 – 17.02.2023
29.	5 days National Level Online Faculty Development Programme	AWS Using Devops	Dept. of Computer Science and Engineering, CMR Enginerring College, Hyderabad	26.06.2023 – 30.06.2023
30.	5 days Faculty Development Programme	Power of Visualization in Analytics	Depts. of IT, CSE, CSE(AI & ML), BVRIT Hyderabad College of Engineering for Women, Hyderabad	16.08.2023 – 21.08.2023
31.	5 days Online Faculty Development Programme	Edge Cutting Technologies in IT Field	PG Dept. of Computer Science, Rajapalayam Raju's College and IGL Hands on Private Limited, USA	19.09.2023 – 23-09-2023

32.	3 DAYS ONLINE FACULTY DEVELOPMENT PROGRAMME	AI TOOLS FOR RESEARCH AND PUBLISHING	DEPARTMENT OF ARTIFICIAL INTELLIGENCE, MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI	14.02.2024 - 16.02.2024
33.	5 DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME	EMERGING TRENDS IN CYBER SECURITY, DATA SCIENCE AND MACHINE LEARNING	SCHOOL OF COMPUTING, GRAPHIC ERA HILL UNIVERSITY, DEHRADUN	07.05.2024 - 11.05.2024
34.	1 WEEK FACULTY DEVELOPMENT PROGRAMME	PUBLISHING IN HIGH – IMPACT JOURNALS: STRATEGIES FOR EFFECTIVE WRITING AND LEVERAGING AI IN RESEARCH	BCIPS, DELHI	22.07.2024 - 26.07.2024
35.	5 DAYS NATIONAL FACULTY DEVELOPMENT PROGRAMME	DATA ANALYSIS USING SPSS IN QUANTITATIVE RESEARCH	INSTITUTE FOR SCHOLARLY RESEARCH AND TRAINING, CHENNAI	05.11.2024 – 09.11.2024

7. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. NO.	PROGRAMMES	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
1.	X PASO 2004 – NATIONAL LEVEL TECHNICAL SYMPOSIUM	ST. XAVIER'S COLLEGE, PALAYMKOTTAI.	10.09.2004	PARTICIPATED	-
2.	SEMINAR ON "ALGORITHM AND FUZZY SET THEORY AND ITS APPLICATIONS"	THE STANDARD FIREWORKS RAJARATHNAM COLLEGE FOR WOMEN, SIVAKASI	28.09.2004	PARTICIPATED	-
3.	TWO-DAY WORKSHOP ON "DIGITAL IMAGE PROCESSING"	KAMARAJ COLLEGE OF ENGINEERING	24.01.2008 & 25.01.2008	PARTICIPATED	-
4.	SEMINAR ON "DIGITAL IMAGE PROCESSING"	SRI KALISWARI COLLEGE, SIVAKASI	07.02.2008	PRESENTED	DIGITAL IMAGE PROCESSING
5.	TWO DAY WORKSHOP ON "VISUAL PROGRAMMING"	KLN COLLEGE OF ENGINEERING	24.07.2009 & 25.07.2009	PARTICIPATED	-
6.	WORKSHOP ON "UNDERSTANDING AND HANDLING STRESS"	TOPKIDS	10.09.2009	PARTICIPATED	-
7.	SEMINAR ON "COMMUNICATION NETWORKS AND COMPUTING"	KARPAGAM UNIVERSITY, COIMBATORE	08.02.2013	PRESENTED	NETWORK AND INFORMATION SECURITY IN OSI MODEL
8.	NATIONAL CONFERENCE ON "COMPUTER SCIENCE & APPLICATIONS"	MEPCOSCHLENK ENGINEERING COLLEGE, SIVAKASI	05.03.2014	PRESENTED	PALM PRINTS RECOGNITION & DEPLOYMENT
9.	INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING APPLICATIONS	BHARATHIAR UNIVERSITY, COIMBATORE	06.03.2014 & 07.03.2014	PRESENTED	AUTOMATIC IDENTIFICATION AND DETECTION OF ALTERED FINGERPRINTS

10.	National Conference on "Computing & Communication Engineering"	Agni College of Technology, Chennai	28.03.2014	Presented	Secured Way To Preserve Image Quality Using Watermarking
11.	National Conference on "Innovations in Information & Communication Technology"	PSG College of Technology, Coimbatore	25.04.2014 & 26.04.2014	Presented	Off-line Signature Recognition and Verification
12.	International Conference on "Big Data Analysis and Distributed Systems"	Dept of Computer Science, Periyar University College of Arts and Science, Pennagaram	12.09.2014	Presented	Multi Biometrics and Two-Tiers
13.	International Conference on "Big Data Analysis and Distributed Systems"	Dept of Computer Science, Periyar University College of Arts and Science, Pennagaram	12.09.2014	Presented	Comparitive Cram on a fusion of Edge Detection Techniques
14.	International Conference on "Big Data Analysis and Distributed Systems"	Dept of Computer Science, Periyar University College of Arts and Science, Pennagaram	12.09.2014	Presented	A Comparitive Study on Software Engineering and Web Engineering
15.	International Conference on "Advanced IT Engineering And Management [SACAIM 2014]"	Dept of Computer Science, St. Aloysius College, Mangalore	14.10.2014& 15.10.2014	Presented	A Genteel Requirement Engineering for Web Applications
16.	State Level Workshop on "MAT LAB"	Dept. of Maths, Fatima College, Madurai	21.01.2015	Participated	-
17.	National Seminar on "Recent trends in Web Technologies"	Madurai SivakasiNadar Pioneer Meenakshi Women's College, Poovanthi	20.02.2015	Presented	Remote Sensing Image Processing
18.	National Conference on "Bigdata Conference 15"	Dept. of Computer Science, Rathinam College of Arts & Science, Coimbatore	19.09.2015	Presented	Steganography Based security
19.	Workshop on "All About Cloud Computing"	Tandem InfoTech, Anna Nagar, Madurai	20.09.2015	Participated	-
20.	International Conference on "Application Fabrics"	Dept. of Information Technology, Madurai SivakasiNadars Pioneer Meenakshi Women's College, Poovanthi	23.12.2015	Presented	Image Processing and Remote Intelligence
21.	National Workshop on "MATLAB"	Dept. of Computer Science, M.V. Muthiah Government Arts College for Women, Dindigul.	25.02.2016	Participated	-

22.	National Conference on "Recent Trends in IT Technologies"	Mangayarkarasi College of Arts & Science	27.08.2016	Presented	Attacks and Defenses Network Security
23.	Workshop on "Intellectual Property Rights"	Research Cell, Fatima College, Madurai	10.12.2016	Participated	-
24.	National Conference on "Future Research Perspectives in Computer Science and Information Technology	Arul Anandar College, Karumathur	21.02.2017 22.02.2017	Presented	A Cram on Image Compression Schemes
25.	International Multidisciplinary Conference on "Information Science, Management Research and Social Sciences	Alpha Arts and Science College, Porur, Chennai	24.02.2017	Presented	Biometric Security System Traits
26.	National Conference on " Recent Perspectives On IOT &Bigdata"	NadarSaraswathi College, Theni	09.02.2018, 10.02.2018	Presented	Enhanced Technique For Brain Tumour Revealing Using Segmentation
25.	National Conference on " Innovative Computing Technologies"	Arulanandar College, Karumatur	22.02.2018	Presented	Cyber Security In E-Governance Using Cyber Crime Technologies
26.	International Conference on "New Horizon in IT"	Senthamarai College Of Arts & Science	24.02.2018	Presented	Recoup & Reclaim E-Waste: An Innovative Incision
27.	National Seminar on "Cyber crimes and Security Issues in Digital World"	MaduraiKamaraj University	26.02.2018	Participated	-
28.	International Conference on "New Frontiers in Mathematics and Computing" – ICNFMC 2019	Lady Doak College, Madurai	18.02.2019 & 19.02.2019	Presented	An Improvised Spatial-temporal algorithm for multi-target tracking
29.	E-Content Development Webinar	Government of Maharashtra's Rajaram College, Kolhapur	10.04.2020	Participated	-
30.	Webinar on "Technology for Future"	ICT Academy, Skycampus	08.04.2020, 10.04.2020, 11.04.2020, 13.04.2020 – 17.04.2020	Participated	-
31.	Four Days Webinar on " An Effective Research Paper Writing Skills"	Bhagawan Mahavir University, Gujjarat	13.04.2020 – 16.04.2020	Participated	-

32.	4 Days Course on "Use of Statistical Tools & Techniques for Social Science Research"	Devangere University, Davangere.	20.04.20200 - 23.04.2020	Participated	-
33.	International Webinar on "The impact of Research Data and Metrics"	Skyline University College, Sharjah	21-04-2020	Participated	-
34.	10 Days Free online workshop for Teachers	Universal Teachers Academy, Puducherry	21.-4.2020 – 30.04.2020	Participated`	-
35.	Webinar on "The Art of Writing Research Papers"	Chennai Institute of Technology, Chennai	29.04.2020	Participated	-
36.	International Webinar on "How are words added to the Dictionary?"	P PSavani University, Surat	01.05. 2020	Participated	-
37.	International Webinar on "IELTS Made Easy"	P PSavani University, Surat	03.05. 2020	Participated	-
38.	Webinar on "Documentation using LATEX"	Arasu College of Arts & Science for Women, Karur	04.05. 2020	Participated	-
39.	Webinar on "Hangout with Successful Start Ups"	Chennai Institute of Technology, Chennai	05.05. 2020	Participated	-
40.	Webinar on "Research Challenges in Data Mining"	Chennai Institute of Technology, Chennai	06.05. 2020	Participated	-
41.	Webinar on "Classroom English"	Arasu Women's College (Arts, Science & B.ED), Karur	08.05. 2020	Participated	-
42.	Webinar on " Solid Waste MAnagement"	Mahendra College of Engineering, Salem	09.05.2020	Participated	
43.	Webinar on "Essential Information for Educated Community on Prophylaxsis for COVID-19 high risk"	Chennai Institute of Technology, Chennai	09.05.2020	Participated	-
44.	Webinar on Life Skill Development"	Idhaya College For Women, Kumbakonam	11.05.2020	Participated	-
45.	webinar on "Assessment and Evaluation in Outcome Based Education"	G.T.N. Arts College (Autonomous), Dindigul	11.05.2020	Participated	-

46.	Webinar Series on " Teaching Learning Tools for the Digital Era"	Sri Ramakrishna College of Arts &Sceince for Women,	11.05.2020 – 16.05.2020	Participated	-
47.	Webinar on "How the Teachers should be ready to handle post pandemic challenges"	Chennai Institute of Technology, Chennai	12.05.2020	Participated	-
48.	National Level Webinar On "Value Investing - Key to Create Long Term Wealth "	St. Andrew's College of Arts, Science and Commerce, Mumbai	13.05.2020	Participated	-
49.	Webinar on "Good Teacher to Great Teacher"	ICTACADEMY, Skycampus	14.05. 2020	Participated	-
50.	5 Days Online Workshop For Teachers	Universal Teachers Academy, Puducherry	14.05.2020 – 18.05.2020	Participated	-
51.	Online Workshop on " Data Visualization using R"	Department of Computer Science, Lady Doak College, Madurai	15.05.2020& 16.05.2020	Participated	-
52.	Webinar on "Introduction to Digital Transformation"	S.A. Engineering College, Chennai	23.05. 2020	Participated	-
53.	National level Webinar on :IOT and IT's Application"	Department of Computer Science, SLS. MAVMM AyiraVaisyar College, Madurai	27.05.2020	Participated	-
54.	International Webinar on " Mobile learning"	IEMS B-School, Hubili	30.05.2020	Participated	-
55.	One DAy National level Workshop on "What is API? How to deploy it"	AyyaNadar Janaki Ammal College, Sivakasi	30.05.2020	Participated	-
56.	5 Day Free online Workshop for Teachers	UTA-Kallakuruchi&Chinnasalem	02.06.2020 – 06.06.2020	Participated	-
57.	International Webinar on "Trending in Tech"	Department of Computer Science, ThassimBeevi Abdul Kader College For Women, Kilakarai	11.-06.2020	Participated	-
58.	International Webinar on " Exploring Python Libraries for Exploratory Data Analysis and Data Processing"	ThassimBeevi Abdul Kader College For Women, Kilakarai	27.06.2020	Participated	-

59.	International Webinar on " Recent Advancements in Machine Learning"	Arulanandar College, Karumatur	18.03.2021 & 19.03.2021	Participated	-
60.	National Seminar on "Research Issues in Digital Image Processing and Video Analytics"	MepcoSchelenk Engineering College, Sivakasi	19.03.2021 & 20.03,2021	Participated	-
61.	9th International Conference on Contemporary Engineering and Technology 2021	OSIET, Chennai	10.04.2021 & 11.04.2021	Presented	A Novel Approach to The Web Development Process Model
62.	One Week National Online Workshop on " Robotics Process Automation Design & Development"	St. Francis De Sales College, Nagpur	20.09.2021 – 24.09.2021	Participated	-
63.	International Conference on "Emerging Trends In Science, Technology and Mathematics"	Parvathy's Arts And Science College, Dindigul	15.09.2021 & 16.09.2021	Presented	Analysis And Classification Of Prospective Learning Management Systems
64.	One week National online Workshop on "IOT And Cloud Computing Tools"	Mepco Scheln Engineering College	20.09.2021 – 24.09.2021	Participated	-
65.	One week National online Workshop on "Robotics Process Automation Design & Development"	St. Francis De Saled College, Nagpur	20.09.2021 – 24.09.2021	Participated	-
66.	National Webinar on " Advanced Javascript Concept"	K.R. College Of Arts & Science, Kovilpatti	12.10,2021	Participated	-
67.	International Conference on "Powering Supply Chain Networks Beyond The Covid'19 Pandemic: Lessons And Way Forwarded(Icprs2021) "	Binary University, Malaysia	14.10.2021 & 15.10.2021	Presented	Supply Chain Management (Scm) And Logistics Empowered And Reshaped By Artificial Intelligence And Cyber Security
68.	International Webinar on "IT Portfolio Management Using Jira"	Department of IT, Madurai SivakasiNadars Pioneer Meenakshi Women's College, Poovanthi	28.01.2022	Participated	-

69.	Popular Lecture Series, Lecture 2 on "Machine Learning in Bioinformatics"	sponsored by Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India, New Delhi. Organized by VVV College, Virudhunagar.	16.02.2022	Participated	-
70.	Two DayOonline National Webinar on "Free Online Tools for Easy, Effective and Imapctful Research"	M V Muthiah Government Arts College For Women, Dindigul	19-03-2022 – 20-03-2022	Participated	-
71.	International Conference on "Recent Trends in Engineering & Technology (KICRTER 2022)	Kamaraj College of Engineering and Technology	08-04-2022 – 09-04-2022	Presented	Secure Multimodal Biometrics using Deep Hashing
72.	Kamaraj International Conference on "Recent Trends in Engineering & Technology (KICRTER 2022)	Kamaraj College of Engineering and Technology	08-04-2022 – 09-04-2022	Presented	Risk Analysis using Blockchain Technology
73.	International Workshop on "Essential Skills for Career Building and Development"	IQAC, Annamalai University	11.01.2023	Participated	-
74.	State Level Seminar on "Intellectual Property Rights"	Department of BCA, The American College, Marurai.	03.02.2023	Participated	-
75.	Two Days National Level Online Workshop on " ChatGPT & AI Tools to Save 2 Hours of Work Daily"	Department of Artificial Intelligence, Mannar Thirumalai Naicker College, Madurai	27.07.2023 & 28.07.2023	Participated	-
76.	National Level Book Chapter of " Emerging Trends in Information Technology"	Rathinam College of Arts & Science, Coimbatore	25-08-2023	Contributed	Enhancing Security in Multimodal Biometrics
77.	International Seminar on "Digital Needs in Modern World"	Dept. of Computer Science, Annai Fathima College of Arts & Science, Madurai	26.08.2023	Participated	-
78.	National Webinar on "Data Investigation Through EDA using Python"	Dept. of Data Science, The American College, Madurai	23.09.2023	Participated	-

79.	National Conference on "Industry 4.0 – Navigating a Changing Landscape",	Fatima Institute of Management, Madurai	06.10.2023	Presented	Enhanced Multimodal Biometric Security
80.	1 Week Internship Programme in "Backend Basics: Building with Javascript and Node.js"	Marcello Tech, Trichy	01.12.2023 - 07.12.2023.	Participated	-
81.	10 Days Online Research Methodology Workshop / Ph.D. Course work	Research and Development Committee in association with Ph.D. Research Centre of Vidyalankar School of Information Technology and sponsored by Indian Council of Social Science Research (ICSSR).	11.12.2023 - 22.12.2023	Participated	-
82.	National conference on "ROBOTICS & AUTOMATION"	Department of Information Technology & Management, Arul Anandhar College, Karumathur	23.02.2024	Presented	Multilevel Feature Fusion in Multimodal Biometrics for Fingerprint and Signature Recognition
83.	State level UGC sponsored Webinar on "Research And Development"	UGC Malaviya Mission Teacher Training Centre, MKU	24.02.2024	Participated	-
84.	UGC sponsored Virtual Webinar on Essentials of Report Writing using MS Word	UGC Malaviya Mission Teacher Training Centre, MKU	24.02.2024	Participated	-
85.	National Level Webinar on "A GUI way to learn Machine Learning: An Interdisciplinary Workshop for Researchers"	Annai Vailankanni College of Engineering, Kanyakumari and Sansnow's Nobel Professional Foundation (Approved by MSME and Ministry of Corporate Affairs, Government of India	01.03.2024	Participated	-
86.	Virtual Webinar on "Research and Development"	UGC Malaviya Mission Teacher Training Centre, MKU	02.03.2024	Participated	-
87.	3 Day National Level Workshop on "PhD Research and Reporting Strategies : Navigating the Thesis Competion Process"	Institute for Scholarly Research and Training, Chennai	24.10.2024 – 26.10.2024	Participated	-

NAME : B. USHA
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DATE OF BIRTH : 29.03.1974
LANGUAGES PROFICIENCY
READ : TAMIL, ENGLISH & HINDI
WRITE : TAMIL, ENGLISH & HINDI
SPEAK : TAMIL, ENGLISH, TELUGU & HINDI

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMPUTER SCIENCE	SARADHA COLLEGE, TIRUNELVELI	1994
2.	PG	COMPUTER SCIENCE	MK UNIVERSITY, MADURAI	1998
3.	M.PHIL.	COMPUTER SCIENCE	MK UNIVERSITY, MADURAI	2006
4.	M.TECH.	COMPUTER SCIENCE	MS UNIVERSITY, MADURAI	2012
5.	SLET	COMPUTER SCIENCE	MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL	2016
6.	CERTIFICATE	"INTERMEDIATE SKILLS IN SOFTWARE TESTING WITH VISUAL STUDIO 2013"	MICROSOFT CERTIFICATION	2015
7.	CERTIFICATE	"PROGRAMMING IN JAVA"	MICROSOFT CERTIFICATION	2018
8.	PH.D	COMPUTER APPLICATIONS	KALASALINGAM ACADEMY OF RESEARCH & EDUCATION	PURSUING

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	MOTHER TERESA WOMEN'S UNIVERSITY	JUNE 2004 – NOV. 2006
2.	MANNAR THIRUMALI NAICKER COLLEGE, MADURAI	JUNE 2008 – NOV. 2009
3.	MADURA COLLEGE, MADURAI	JUNE 2010 – APR. 2012
4.	FATIMA COLLEGE, MADURAI	JUNE 2012 – TILL DATE

3. POSITION HELD IN FATIMA COLLEGE

S. NO.	NAME OF THE POSITION	DURATION
1.	UGC INTERACTION COMMITTEE	2017 - 2018
2.	MEMBER, FONDE	2018-2020
3.	ASST. COORDINATOR, FONDE	2020-2022

4.	MEMBER, ERP	SINCE 2021
5.	MEMBER, IQAC	SINCE 2022

4. Position Held Outside

S. No.	Name Of The Institution	Name Of The Position	Duration
	Thassim Beevi College For Women, Kilakkarai	Question Paper Setter	2014 – Till Date
1.	Lady Doak College, Madurai	Question Paper Setter	2015 - 2016
2.	Madura College, Madurai	External Examiner	2015 - 2016
3.	Jamal Mohammed College, Trichy	Question Paper Setter	2016 - Till Date
4.	Arul Anandar College, Karumathur	Question Paper Setter	2016-2017 – TILL DATE
5.	Sankara College, Kancheepuram	Question Paper Setter	2017-2018
6.	Thiagaraja College Of Arts & Science, Madurai	External Examiner	2019 – TILL DATE
7.	American College, Madurai	Question Paper Setter	2022 – Till Date

5. Areas Of Specialization

- Data Communication & Networking
- CRYPTOGRAPHY & NETWORK SECURITY
- Java Programming
- Mobile Communication
- Mobile Application Development

6. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized By	Date
1.	Training Programme	Out Bound Pre Placement Training	Indian Institute Of Training And Development, Vadipatti	18.01.2013 & 19.01.2013

2.	FDP	Android Applications	PG Department Of Computer Applications, Fatima College, Madurai	23.11.2013
3.	FDP	Digital Image Processing – Image J	UG Department Of Computer Applications & IT, Fatima College, Madurai	07.03.2014
4.	Internship	Software Testing Tools	Eminent Technologies, Madurai	20.01.2015 - 24.01.2015
5.	Internship	Web Technologies Using PHP	VELS Technologies, Madurai	08.12.2015 - 11.12.2015
6.	Internship	Android Databases, Android Testing	Bluegenie Technologies, Madurai	05.12.2016 - 08.12.2016
7.	Internship	SDLC, Software Testing	Tandem Infotech, Madurai	18.12.2017 – 21.12 2017
8.	Internship	Internet Of Things	Pantech Solutions Pvt. Ltd, Madurai	10.12.2018 – 12.12.2018
9.	Fdp	Effective Research And Proposal Writing	Sri Adi Chunchanagiri Women's College	May. 13, 2020
10.	Training Programme	Python 3.4.3	Spoken Tutorial Project, IIT Bombay	January 2020 Semester
11.	FDP	Python 3.4.3	Madurai Sivakasi Nadars Pioneer Meenakshi Women's College	May. 11, 2020 – May. 15, 2020
12.	FDP – One Week	Iot For Emerging Applications	Kalkatiya Institute Of Technology & Science & Cloud Chip	May.10, 2020 – May.14, 2020
13.	FDP	Sky Campus Season 2 – Leading In A VUCA World	ICT Academy	Apr. 20 – Apr24, 2020
14.	FDP	Sky Campus Season 4 – The Future Of Education, Employment & Entrepreneurship	ICT Academy	May.4 – May. 8,2020
15.	FDP	Sky Campus Season 5 – The Future Of Skills	ICT Academy	May.11 – May. 15, 2020
16.	FDP	Sky Campus Season 6 – Future Tech 2020	ICT Academy	May. 18 – May. 22, 2020
17.	FDP	State Level Faculty Development Program	Guru Nanak College, Chennai	MAR. 08,2021 – MAR. 11, 2021
18.	Fdp – One Week	Multi Technology	Bvrit Hyderabad College Of Engineering For Women	JUNE.28,2021 – JULY.03,2021
19.	Short Term Course - Online	Software Testing Tools	National Institute Of Technology, Warangal	JULY. 19, 2021 – JULY. 23, 2021
20.	Fdp	Digitl Teaching Methods In Higher Education	Hindusthan College Of Arts & Science	AUG. 23 – AUG.28, 2021

21.	FDP	RESEARCH AVENUES IN MACHINE LEARNING	IQAC, AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI	SEP.21,2021 – SEP.232021
22.	FDP	INCULCATING HUMAN VALUES IN TECHNICAL EDUCATION	AICTE	DEC.06,2021 – DEC.10,2021
23.	NATIONAL FDP	RECENT ADVANCEMENTS IN COMPUTING TECHNOLOGY	DEPT. OF COMPUTER SCIENCE, SRNM COLLEGE, SATTU	FEB.13,2023 – FEB.17,2023
24.	SHORT TERM COURSE	COURSE ON HEALING THE INNER CHILD	ANUGRAHA INSTITUTE OF COUNSELLING, PSYCHOTHERAPY AND RESEARCH	MARCH 1, MARCH 2 , 2023
25.	5 DAYS VIRTUAL NATIONAL FDP	AWS USING DEVOPS	CMR ENGINEERING COLLEGE, HYDERABAD	26.06.2023 - 30.06.2023
26.	FIVE DAY FACULTY DEVELOPMENT PROGRAM	POWER OF VISUALIZATION IN ANALYTICS	BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN, HYDERABAD	16-08-2023 – 21-08-2023
27.	TWO DAY NATIONAL LEVEL ONLINE WORKSHOP	CHAT GPT & AI TOOL TO SAVE 2 HOURS OF WORK DAILY	DEPT OF AI,MANNAR THIRUMALAI NAICKER COLLEGE,MADURAI	27-07-2023 & 28-07-2023
28.	INTERNSHIP	BACKEND BASICS: BUILDING WITH JAVA SCRIPT AND NODE.JS	MARCELLO TECH, TRICHY	01-12-2023 - 07-12-2023
29.	FIVE DAY FACULTY DEVELOPMENT PROGRAM	FUNDAMENTALS OF CYBER SECURITY:TOOLS AND TECHNIQUES	SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, VIT, CHENNAI	11-12-2023 - 15-12-2023
30.	FIVE DAY ONLINE FACULTY DEVELOPMENT PROGRAM	PYTHON PROGRAMMING WITH DJANGO FRAMEWORK FOR BUILDING WEB APPLICATIONS	DEPT OF COMPUTER SCIENCE & ENGINEERING,CMR ENGINEERING COLLEGE,HYDERABAD	12-02-2024 - 16-02-2024
31.	THREE DAY INTERNATIONAL LEVEL ONLINE FDP	AI TOOLS FOR RESEARCH AND PUBLISHING	DEPT OF ARTIFICAIAL INTELLIGENCE, MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI	14-02-2024 - 16-02-2024
32.	FACULTY TRAINING	PHYSICS, IOT & ROBOTICS: UNVEILING CONVERGENCE OF TECHNOLOGIES FOR TOMMORROW	DEPT OF PHYSICS AND RESEARCH CENTRE LADY DOAK COLLEGE MADURAI	06-02-2024

33.	INTERNATIONAL ONLINE FDP	RECENT TRENDS AND VISTAS IN ARTIFICIAL INTELLIGENCE	DEPARTMENT OF COMPUTER SCIENCE & COMPUTER APPLICATIONS, MANGAYARKARASI COLLEGE OF ARTS & SCIENCE FOR WOMEN, MADURAI	24.06.2024 – 28.06.2024

7. National/International Seminar, Workshop, Conference & Symposium

S. No.	Programmes	Organized By	Date	Participated/ Presented	Title Of The Paper
1.	National Conference On "Intelligence Computation"	Arasu Engineering College, Kumbakonam	05.02.2012	Presented	E-Learning Using Semantic Web Mining Techniques
2.	National Seminar On "Contemporary Progress In Cyberspace"	Fatima College, Madurai	Sep. 2011	Presented	TCP Congestion Control Techniques
3.	National Conference On "Emerging Trends In Global Business"	RVS COLLEGE OF ENGINEERING, DINDIGUL.	15.09.2012	Presented	Enforcing Security In An Inter Cloud Environment Using Hierarchical Key Generation Algorithms
4.	International Conference On "Impact Of Global Crisis In Indian Business"	Annai Mathammal Sheela Engineering College	14.09.2012	Presented	Emerging Trends In Business With Cloud Computing – An Analytic Approach
5.	National Seminar On "Communication Networks And Computing"	Karpagam University, Coimbatore	08.02.2013	Presented	Authentication Using Graphical Passwords Using Mobile Ad Hoc Networks
6.	UGC Sponsored National Seminar On "Digital Media Processing"	Mount Carmel College, Bangalore	26.09.2013 & 27.09.2013	Presented	A Symmetric Key Algorithm For Data Security Enhancement
7.	International Conference On "Advanced Computing Control Systems, Machines And Embedded Technology"	JKKN College Of Engineering & Technology, Namakkal	07.03.2014 & 08.03.2014	Presented	A Survey On The Attacks Made On Graphical Password Authentication Schemes
8.	Fourth National Conference On Computer Science And Applications(NCCSA'14)	Mepco Schlenk Engineering College, Sivakasi	05.03.2014	Presented	Security Challenges And Measures In Cloud Computing
9.	International Conference On Big Data Analysis And Distributed Systems	Periyar University College Of Arts And Science, Pennagaram	12.09.2014	Presented	A Study On The Approaches Towards Interoperable Clouds

10.	National Seminar On "Recent Trends In Web Technologies"	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi	20.02.2015	Presented	A Research On The Challenges Pertaining To Mobile Cloud Computing
11.	UGC Supported Two Days National Level Workshop On "Data Science Best Practices Using Amazon Cloud And Hadoop Big Data Technology"	KLN College Of Information Technology, Madurai.	13.08.2015 & 14.08.2015	Participated	-
12.	National Conference On "Application Fabrics"	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi	23.12.2015	Presented	Resource Management Decision Making In Cloud Computing Using Operations Research
13.	National Conference On "Recent Trends In IT Technologies"	Mangayarkarasi College Of Arts & Science, Madurai	27.08.2016	Presented	Priority Based Dynamic Resource Allocation In Cloud Computing – A Survey
14.	State Level Workshop On "Intellectual Property Rights"	Research Cell, Fatima College, Madurai	10.12.2016	Participated	-
15.	National Conference On "Future Research Perspectives In Computer Science And Information Technology	Arul Anandar College, Karumathur	21.02.2017 & 22.02.2017	Presented	Gait Analysis Techniques – A Survey
16.	International Multidisciplinary Conference On "Information Science, Management Research And Social Sciences	Alpha Arts And Science College, Porur, Chennai	24.02.2017	Presented	A Study On Gait Biometric Approaches
17	National Conference On " Recent Perspectives On IOT & Bigdata"	Nadar Saraswathi College, Theni	09.02.2018, 10.02.2018	Presented	An Overview On Challenges And Security Issues In Iot
18	National Conference On " Innovative Computing Technologies"	Arulanandar College, Karumatur	22.02.2018	Presented	Iot And Big Data – The Amalgamation
19	International Conference On "New Horizon In IT"	Senthamarai College Of Arts & Science	24.02.2018	Presented	Wireless Protocols And Light Weight Authentication
20	National Webinar On "An Effective Research Paper Writing Skills	Bhagwan Mahavir University	Apr.13 – Apr.16, 2020	Participated	-
21	National Webinar On "Artificial Intelligence"	Dr. M.G.R. Educational & Research Institute	Apr. 26,2020	Participated	-

22	National Webinar On "The Art Of Writing Research Papers"	Chennai Institute Of Technology	Apr. 29, 2020	Participated	-
23	National Webinar On "The Power Of A Teacher"	Ict Academy	May. 04, 2020	Participated	-
24	National Webinar On "Good Teacher To Great Teacher"	Ict Academy	May. 14, 2020	Participated	-
25	National Webinar On "Iot Based Solution To Fight Covid 19"	Chennai Institute Of Technology	May 23, 2020	Participated	-
26	National Webinar On "Digital Learning – Adopted By Chance, Lets Adopt By Choice"	Chennai Institute Of Technology	May.9 & May. 16, 2020	Participated	-
27	National Webinar On "Resetting Minds In Upsetting Times"	Fatima College	June.22,2020	Participated	-
28	National Webinar On "Research Ethics"	Sri Meenakshi Govt. College For Women	July.30, 2020	Participated	-
29	State Level Workshop On "E-Content Creation"	Universal Teachers Academy	Apr.21,2020 – Apr. 30, 2020	Participated	-
30	National Online Workshop On "Data Visualization Using R"	Lady Doak College	May. 15 & 16, 2020	Participated	-
31	International Workshop On "Real Time Cognitive Services On Azure Cloud"	Parvathy's Arts & Science College	June. 10, 2020 – June 12, 2020	Participated	-
32	International Webinar On "Recent Advancements In Machine Learning"	Arul Anandar College	Mar. 18, 2021 & Mar. 19, 2021	Participated	-
33	14th National Seminar On Research Issues In Digital Image Processing & Video Analytics	Mepco Schlenk Engineering College, Sivakasi	Mar.19, 2021 & Mar. 20, 2021	Participated	-
34	9 Th International Conference On Contemporary Engineering And Technology 2021organization Of Science	Organization Of Cience And Innovative Engineering And Technology	Apr.10,2021 & Apr. 11, 2021	Presented	Analysis On The Intervention Of Big Data In Iot
35	National Webinar On " Cloud Storage And Its Applications"	Ayya Nadar Janaki Ammal College	June. 03, 2021	Participated	-

36	International Workshop Hands On Session On "Mongo Db"	Patrician College Of Arts And Science, Chennai	July.15, 2021– July.17,2021	Participated	-
37	National Webinar On "Give Your Stress Wings And Let It Fly Away"	St. Francis De Sales College, Nagpur	Sep.11,2021	Participated	-
38	International Conference On "Emerging Trends In Science, Technology And Mathematics"	Parvathy's Arts And Science College, Dindigul	Sep.15, 2021&Sep. 16,2021	Presented	Exploring The Application Of Smart Iot Devices Specific To Senior Citizen Care
39	One Week National Online Workshop On " Robotic Process Automation Design & Development"	St. Francis De Sales College, Nagpur	Sep. 20, 2021 – Sep.24, 2021	Participated	-
40	National Workshop On "Iot And Cloud Computing Tools"	Mepco Schelnk Engineering College	Sep.20,2021 – Sep.24,2021	PARTICIPATED	-
41	National Webinar On " Advanced Javascript Concept"	K.R. College Of Arts & Science, Kovilpatti	Oct.12,2021	PARTICIPATED	-
42	International Conference On "Powering Supply Chain Networks Beyond The Covid'19 Pandemic: Lessons And Way Forwarded(Icprs2021)"	Binary University, Malaysia	Oct.14,2021 & Oct.15,2021	Presented	An Analysis On The Convergence Of Artificial Intelligence Techniques In Diabetic Management And Care
43	Popular Lecture Series, Lecture 2 On "Machine Learning In Bioinformatics"	Sponsored By Department Of Biotechnology (Dbt), Ministry Of Science And Technology, Government Of India, New Delhi. Organized By Vvv College, Virudhunagar.	26.02.2022	Participated	
44.	International Workshop On "Essential Skills For Career Building And Development"	IQAC, Annamalai University	Jan. 11, 2023	Participated	
45	State Level Seminar On "Intellectual Property Rights"	Department Of BCA, The American College, Marurai.	Feb.03,2023	Participated	
46.	INTERNATIONAL SEMINAR	DIGITAL NEEDS IN MODERN WORLD	26.08.2023	Participated	
47.	NATIONAL LEVEL WEBINAR ON " DATA INVESTIGATION THROUGH EDA USING PYTHON	DEPARTMENT OF DATA SCIENCE, THE AMERICAN COLLEGE	23.09.2023	Participated	

48.	INTERNATIONAL CONFERENCE ON "RECENT RESEARCH ADVANCEMENTS IN COMPUTATIONAL SCIENCES	DEPARTMENT OF COMPUTER SCIENCE, LOYOLA COLLEGE (AUTONOMOUS), CHENNAI	01.12.2023 & 02.12.2023	PRESENTED	LIGHT WEIGHT ATRIBUTE BASED ENCRYPTION FOR RESOURCE CONSTRAINED DEVICES : CHALLENGS, SOLUTIONS AND FUTURE DIRECTIONS
49.	INTERNATIONAL CONFERENCE ON RECENT TRENDS AND ADVANCES IN COMMUNICATIONTECNOLOGY AND DATA SCIENCE	DEPARTMENT OF COMPUTER SCIENCE & BCA IN ASSOCIATION WITH ICT ACADEMY & SKRGC PUBLICATIONS	24.01.2024 & 25.01.2024	PRESENTED	REVOLUTIONIZING HEALTHCARE SURVEILLANCE: UNVEILING THE POTENTIAL OF SMART IOT DEVICES
50.	2024 THIRD IEEE SPONSORED INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS, INFORMATION AND COMMUNICATION TECHNOLOGIES (IEEE ICEEICT 2024)	K RAMAKRISHNAN COLLEGE OF ENGINEERING , TRICHY	24.06.2024 – 26.06.2024	PRESENTED	POWERING UP SECURITY AS LIGHTWEIGHT CIPHER FOR EFFICIENT IOT

7. Guest Lecture Delivered

S. No.	Title	Organization	Date
1.	Smartphone & Android – An Insight	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College	30.07.2014
2.	Biometric Authentication And Its Applications	Madurai Sivakasi Nadars Poineer Meenakshi Womens College, Poovanthi	28.12.2016

8. ARTICLES PUBLISHED JOURNALS/BOOKS :

S. NO.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. NO	ISS. NO	PAGE NO.	ISSN / ISBN / DOI	PUBLISHER	IMPACT FACTOR
1.	BOOK CHAPTER	LIGHT WEIGHT CRYPTOGRAPHY FOR RESOURCE CONSTRAINED DEVICES : A BALANCING ACT BETWEEN SECURITY AND EFFICIENCY					ISBN : 978-81-965283-7-9		

2.	SCOPUS INDEXED	POWERING UP SECURITY AS LIGHTWEIGHT CIPHER FOR EFFICIENT IOT	JULY 2024				DOI.ORG/10.1109/ICEEICT61591.2024	IEEE XPLORE	

9. ACHIEVEMENTS

S. NO.	NAME OF THE AWARDS/ PRIZE	PRIZE/AWARDS RECEIVED FOR	SPONSORS / SOURCE	PLACE	DATE
1.	BEST PAPER	BEST PAPER IN THE 2024 THIRD IEEE INTERNATIONATIONAL CONFERENCE SPONSORED BY IEEE ((IEEE ICEEICT 2024)	2024 THIRD IEEE SPONSORED INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS, INFORMATION AND COMMUNICATION TECHNOLOGIES (IEEE ICEEICT 2024)	K RAMAKRISHNAN COLLEGE OF ENGINEERING , TRICHY	24.06.2024 – 26.06.2024

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EMAIL ID : rani.s.selva@gmail.com
DATE OF BIRTH : 25.06.1983
LANGUAGES PROFICIENCY
READ : ENGLISH, HINDI & TAMIL
WRITE : ENGLISH & TAMIL
SPEAK : ENGLISH & TAMIL

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMPUTER SCIENCE (SPECIAL)	LADY DOAK COLLEGE, MADURAI	2000 - 2003
2.	PG	MCA	FATIMA COLLEGE, MADURAI	2003 - 2006
3.	M.PHIL.	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY, MADURAI	2006 - 2007
4.	PH. D	COMPUTER SCIENCE	GANDHIGRAM RURAL INSTITUTE	2022
4.	CERTIFICATE	WEB-BASED CLIENT DEVELOPMENT & APPLICATION DEVELOPMENT FOUNDATION	MICROSOFT CERTIFICATION	2010
		INTERMEDIATE SKILLS IN SOFTWARE TESTING WITH VISUAL STUDIO 2013	MICROSOFT CERTIFICATION	2015
5.	NET	COMPUTER SCIENCE & APPLICATIONS	UGC	NOV. 2017
6.	SET	COMPUTER SCIENCE & APPLICATIONS	MOTHER THERESA UNIVERSITY	JUL. 2018

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	SACSS COMPUTER EDUCATION, MADURAI	2011 - 2012
2.	ASSISTANT PROFESSOR, FATIMA COLLEGE, MADURAI	2006 - 2008
3.	ASSISTANT PROFESSOR, FATIMA COLLEGE, MADURAI	2013 - TILL DATE

3. Position Held in Fatima

S. No.	Name of the Position	Duration
1.	Asst. Co-ordinator, Research Cell	2015 – 2016 & 2017 – 2018
2.	Member, Research Cell	2016 – 2017
3.	Asst. Dean, Research Cell	2018 – 2022
4.	Member, IQAC	2020 – 2021
5.	Member, Admission Committee	2019 – 2023

4. Position Held Outside

S. No.	Name of the Institution / Organization	Name of the Position	Duration
1.	AEM Holdings LTD, Singapore	Temporary Software Trainee	2010 - 2011
2.	AEM Ever Technologies PTE LTD, Singapore	.Net Developer	2012 - 2013

5. Areas of Specialization

- Image Processing
- Artificial Intelligence
- Data Mining
- Software Testing
- Information Security

6. Orientation/Refresher/Training Programmes/ FDP Attended

S. No.	Programmes	Theme	Organized by	Date
1.	Out-Bound Training Programme	Psycho Spiritual Integration	Anugraha, Dindigul	05.02.2014 – 06.02.2014
2.	FDP	Android Applications	PG Department Of Computer Applications	23.11.2013
3.	FDP	Digital Image Processing – Image J	UG Department Of Computer Applications & It	07.03.2014
4.	Internship	Software Testing Tools	Eminent Technologies, Madurai	06.01.2015 – 10.01.2015
5.	Internship	Software Engineering and Quality Assurance	Tandem Infotech, Madurai	01.12.2015 – 04.12.2015

6.	Internship	SDLC, Software Testing	Tandem Infotech, Madurai	18.12.2017 21.12.2017
7.	Online Internship	BackEnd Development with NodeJs and Mango DB	Marcello Tech, Trichy	17.07.2023 – 23.07.2023
8.	Online Internship	"Designing the Web: Front End Development Immersion"	Marcello Tech, Trichy	29.04.2024 – 05.05.2024
9.	Online Internship	"Backend Development with Node JS and Mongo DB"	Marcello Tech, Trichy	17.07.2024 – 23.07.2024
5.	Online Internship	"Mastering AWS: Cloud Computing & Services"	Marcello Tech, Trichy	23.08.2024 – 30.08.2024

Online Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programmes	Theme	Organized by	Date
1.	FDP	Teaching Tamil Language Through User Friendly Online Tools	Dept.of Tamil Vellalar College for Women(Autonomous), Erode in Collaboration With Nandha Arts and Science College, Erode	22.04.2020
2.	FDP	Inaiyam Vazhi Katral Karpithal	Dept of Tamil, PSGR Krishnammal College For Women	26.04.2020
3.	National Level FDP	Effective Usage of ICT Tools For E-Content Preparation	Jayaraj Annapackiam College for Women, Periyakulam, theni	27.04.2020 – 02.05.2020
4.	FDP	R- Programming	Department of Computer Science and Engineering, SKN Sinhgad College of Engineering, Pantharpur, Maharashtra in Association with Spoken Tutorial, IIT, Mumbai	30.04.2020 – 05.05.2020
5.	FDP	PYTHON 3.4.3	Department of Computer Applications, Sri GVG Visalakshi College for Women, Udumalpet in Association with Spoken Tutorial, IIT, Mumbai	01.05.2020 – 05.05.2020
6.	Interactive Webinar – FDP	Importance of Patents and Copy Rights in Higher Educational institutions (HEIs)	IPR Cell & IQAC, Rathinavel Subamaniam College of Arts and Science, Sulur, Coimbatore	02.05.2020
7.	Training Program	MOODLE Learning Management System	Spoken Tutorial IIT, Mumbai, Annamalai University	04.05.2020
8.	FDP	How to Develop E-Content and Auto Generate E-Certificate using Google Forms	Dept of Tamil, Nandha Arts and Science College, Erode	07.05.2020
9.	Short Term Training Program	R Training	Department of Computer Science and Engineering, SKN Sinhgad College of Engineering, Pantharpur, Maharashtra in Association with Spoken Tutorial, IIT, Mumbai	08.05.2020
10.	FDP	Motivational Speech	Dept of Tamil, PSGR Krishnammal College for Women, Coimbatore	08.05.2020 – 09.05.2020
11.	National Level Webinar FDP	FDP - Multi Disciplinary	Bharathiar University Arts and Science College, Thondamuthur,	11.05.2020 – 17.05.2020

			Coimbatore	
12.	FDP	Effective Research and Proposal Writing	Dept of Computer Science and Information Technology, Sri Adi Chunchanagiri Womem's College, Kumbam	13.05.2020
13.	FDP	Software Project Management Using Artificial intelligence	Dept of Computer Science, American College, Madurai	14.05.2020 – 15.05.2020
14.	FDP	E-Learning Tools	Dept of Computer Science, American College, Madurai	16.05.2020 – 17.05.2020
15.	FDP	Artificial intelligence	Dept of Computer Science and Engineering, NYCI & Braino Vision Solutions, India Pvt Ltd.	22.05.2020 – 26.05.2020
16.	FDP	Research Methodology	Ramanujam Club of Mathematics in Association with IQAC, JEPPIAAR Institute of Technology, Sri Perunbuthur	01.06.2020 – 02.06.2020
17.	International FDP	The Role of EDUTECH in Classroom Teaching and Learning	Faculty of Indian Languages, Centre of Advanced Study In Linguistics, Annamalai University	05.06.2020 – 11.06.2020
18.	FDP	SCILAB	Dept of Civil Engineering, JD College of Engineering and Management in Association with Spoken Tutorial, IIT, Mumbai	08.06.2020 – 13.06.2020
19.	FDP	New Directions and Dimensions in Higher Education	IQAC, Arulmigu Palaniaandavar Arts College for Women Dindugul	09.06.2020 – 15.06.2020
20.	National Level FDP	Techniques in Enhancing Teaching and Learning Skills	IQAC, Idhaya College for Women, Kumbakonam	15.06.2020 – 19.06.2020
21.	FDP	Designing E-Content for Curriculum, Planning and Evaluation using Animation	Dept of Curriculum, Planning and Evaluation, TamilNadu Teachers Education university, Chennai in Association with CAREMAX Foundation	21.06.2020 – 25.06.2020
22.	International FDP	Research Indicators, Resources, Plagiarism and Academic Integrity	Knowledge Resource Centre of Patrician of Arts and Science, Chennai	22.06.2020 – 26.06.2020
23.	Short Term Training Program	Computer Networks	Dept of Computer Science and Engineering, Arasu Engineering College, Kumbakonam	06.07.2020 – 11.07.2020
24.	International FDP	Twenty First Century Teaching Skills	Annai Hajeera Womens College, Thirunelveli	08.07.2020 – 10.07.2020
25.	A Comprehensive Online Course	Personnel And Stress Management	Erode Arts and Science College, Erode	13.05.2020 – 14.05.2020
26.	Five Days Online FDP	Recent Research Issues on Digital Image Processing	Sri Ramakrishna Institute of Technology, Coimbatore	24.05.2021 – 28.05.2021
27.	Three Days Online FDP	NAAC: A WAY FORWARD	Sri Vasavi College, Erode	08.06.2021 – 10.06.2021
28.	Three Days Online FDP	Technologies for Effective Teaching, Learning and Evaluation	IQAC, Ayya Nadar Janaki Ammal College, Sivakasi	23.09.2021 – 25.09.2021

29.	Virtual One Day International Faculty Development Programme	AUTO ML	Department of Computer Science, Lady Doak College, Madurai	04.03.2022
30.	Five Day FDP	Recent Advancements in Computer Science	Sri S Ramasamy Memorial College, Virudhunagar, ICT Academy , Chennai	21.03-2022-25.03.2022
31.	Five Day National Level Online FDP	Python Application Development using Django Framework	CMR Engineering College, Hyderabad	13.04.2022 – 17.04.2022
32.	One Week International FDP	Next Generation Computing: Key Trends, Challenges and Opportunities	SRM Institute of Science and Technology, Ramapuram Campus	18.04.2022 – 23.04.2022
33.	Five Day FDP	Kanini Vazhi Karpithal Nutpangal	BBG Science & Arts College, Coimbatore	27.01.2022 – 01.02.2022
34.	Five Day Virtual National Level FDP	Recent Advancements in Computing Technology	Sri S Ramasamy Naidu Memorial College, Virudhunagar	13.02.2023 – 17.02.2023
35.	Five Day Faculty Development Program	“Power of Visualization in Analytics”	Departments of IT, CSE, CSE(AI&ML), BVRIT HYDERABAD College of Engineering for Women	16.08.2023 – 21.08.2023
36.	Five Day Online FDP	“Edge Cutting Technologies in the IT Field”	PG Department of Computer Science, Rajapalayam Rajus College in collaboration with IGL Hands-on Private Limited, USA	19.09.2023 – 23.09.2023
37.	Three Day International Online FDP	“AI Tools for Research and Publishing”	Department of Artificial Intelligence, Mannar Thirumalai Naicker College, Madurai	14.02.2024 - 16.02.2024
38.	Virtual FDP	"Navigating the Frontiers of AI"	Dept of IT & Centre for FDP, St.Peter’s Institute of Higher Education & Research, Chennai	04.03.2024 – 08.03.2024
39.	6 Days Online International Level FDP	"AI for Educators: A six days Faculty Development Journey”	Department of Software Engineering, Periyar Maniammai Institute of Science and Technology, Vallam, THanjavur, Tamilnadu, India	18.03.2024 - 23.03.2024
40.	Three Days Online International FDP	"Research Innovations, Patenting & Quality Publications”	Department of MCA, Fatima College, Madurai	25.03.2024 - 28.03.2024
41.	7 Days Online FDP	“Essential skills for Professional Development in Higher Education”	Star International Foundation for Research and Education	01.07.2024 – 07.07.2024
42.	One week Online FDP	Outcome Based Education and Application of Generative AI in Teaching and Research	VVIT, Guntur	24.07.2024 - 31.07.2024
43.	One week Online FDP	"Publishing in High Impact Journals : Strategies for Effective Writing and Leveraging AI in Research”	Research Cell of BCIPS, NewDelhi	24.07.2024 - 26.07.2024

7. National/International Seminar, Workshop, Conference & Symposium

S. No.	Programmes	Organized by	Date	Participated/ Presented	Title of the Paper
1.	Conference on "Bridging the Gap Between Industry and Institution"	Industry Institution Interface Cell, Fatima College, Madurai	02.04.2007 – 03.04.2007	Participated	-
2.	Technical Talk on "IBM Database Research Trends &Directions"	Thiyagarajar College, Madurai	06.09.2007	Participated	-
3.	National Seminar on "Research and Development In information Technology"	Sourashtra College, Madurai	28.02.2008	Participated & Presented	Multiple watermark Method for Privacy Control & Tamper Detection
4.	National Seminar on "Research Issues in Digital Image Processing"	Mepco Schlenk Engineering College, sivakasi	21.03.2008	Participated	-
5.	National Conference on "Recent Trends in Information Technology"	Kamaraj College of Eng. & tech, virudunagar	04.04.2008	Participated & Presented	Denial of service Intrusion Finding Using Time
6.	National Conference on "Computer Science & Applications"	Mepco schlenk engineering college, sivakasi	12.03.2008	Presented	Comparison of Sobel & Susan edge detector in mammogram images
7.	International Conference on "Intelligent Computing Applications"	Bharathiar University, Coimbatore	06.03.2014 – 07.03.2014	Presented	Automatic Identification and Detection of Altered Fingerprints
8.	National Hands-On Workshop on "MATLAB"(HOWOM '14)	Sri Vidya College of Engineering & Technology, Virudhunagar	31.01.2014 – 01.02.2014	Participated	-
9.	Out-Bound Training Programme on "Psycho Spiritual Integration"	Anugraha, Dindigul	05.02.2014 – 06.02.2014	Participated	-
10.	National Conference on "Computer Science & Applications"	Mepco schlenk engineering college, sivakasi	05.03.2014	Presented	Palm Prints Recognition & Deployment
11.	National Conference on "Computing & Communication Engineering"	Agni College of Technology, Chennai	28.03.2014	Presented	Improved Method for Brain Tumor Detection Using Segmentation
12.	National Conference on "Computing & Communication Engineering"	Agni College of Technology, Chennai	28.03.2014	Presented	Secured Way to Preserve Image Quality Using Watermarking
13.	International Conference on Big Data Analysis and Distributed Systems	Dept of Computer Science, Periyar University college of Arts and Science, Pennagaram	12.09. 2014	Presented	Comparative Cram on A Fusion of Edge Detection Techniques
14.	International Conference on Advanced IT Engineering And Management [SACAIM 2014]	Dept of Computer Science, St. Aloysius College, Mangalore	14.10.2015 15.10.2015	Presented	Ranking of Landmark Images

15.	State Level Workshop on "MATLAB"	Dept of Maths, Fatima College	21.01.2015	Participated	-
16.	National Seminar on "Recent Trends in Web Technologies"	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi	20.02.2015	Presented	Feature Based Image Mosaicing
17.	International Conference on "Application Fabrics"	Dept. of Information Technology, Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi	23.12.2015	Presented	Fusion of edge revealing techniques for images
18.	Workshop on "All About Cloud Computing"	Tandem InfoTech, Anna Nagar, Madurai	20.09.2015	Participated	-
19.	National Conference on "Recent Trends in IT Technologies"	Mangayarkarasi College of Arts & Science	27.08.2016	Presented	Designing a process model for Water Jugs Problem
20.	National Conference on "Future Research Perspectives in Computer Science and IT	Arul Anandar College, Karumathur	21.02.2017 22.02.2017	Presented	A Cram on Image Compression Schemes
21.	International Multidisciplinary Conference on "Information Science, Management Research and Social Sciences	Alpha Arts and Science College, Porur, Chennai	24.02.2017	Presented	Trounce Knowledge Management Barriers
22.	National Conference on "Recent Perspectives on IOT & Bigdata"	Nadar Saraswathi College, Theni	09.02.2018, 10.02.2018	Presented	Edge Enlightening Steganography With Embedding & Extracting A Cover Writing
23.	National Conference on "Innovative Computing Technologies"	Arulanandar College, Karumatur	22.02.2018	Presented	A Multi Biometric Structure – Finger, Iris, Fuzzy Fusion
24.	International Conference on "New Horizon in IT"	Senthamarai College of Arts & Science	24.02.2018	Presented	Recoup & Reclaim E-Waste: An Innovative Incision
25.	International Conference on Emerging Trends in Science, Technology and Mathematics-2021	Parvathys Arts and Science College, Dindigul	15.09.2021 – 16.09.2021	Presented	Analysis and Classification of Prospective Learning Management Systems
26.	International Conference on "Powering Supply Chain Networks beyond the COVID19 Pandemic: Lessons and the way forward ICPRS 2021"	Binary University, Malaysia	14.10.2021 – 15.10.2021	Presented	Supply Chain Management and Logistics Empowered and Reshaped by Artificial Intelligence and Cyber Security
27.	International Conference on "Recent Trends in Engineering and Technology"	Kamaraj College of Engineering, Virudhunagar	08.04.2022 – 09.04.2022	Presented	Secured Multi Modal Biometrics using Deep Hashing
28.	International Conference on "Recent Trends in Engineering	Kamaraj College of Engineering,	08.04.2022 –	Presented	Risk Analysis using Blockchain Technology

	and Technology"	Virudhunagar	09.04.2022		
29.	Unity AR Workshop	School of Computer Science and Engineering(SCOPE), Vellore Institute of Technology, Chennai	22.04.2022 – 24.04.2022	Participated	GAME-A-THON
30.	Virtual One Day International Workshop on "Essential Skills for Career Building and Development"	IQAC, Annamalai University	11.01.2023	Participated	-
31.	State Level Seminar on "Intellectual Property Rights"	BCA Department, Satellite Campus, The American College, Madurai	03.02.2023	Participated	-
32.	International Conference on "Advanced Computing Technologies for Innovative Solutions" ICACTiS 2023	The Gandhigram Rural Institute, Dindigul	16.03.2023 – 17.03.2023	Presented	Study of Secure Biometric Authentication System for Reversible Data Hiding using Steganography
33.	International Seminar on "Digital Needs in Modern World"	Department of Computer Science, Annai Fathima College of Arts and Science, Madurai	27.07.2023	Participated	-
34.	National Seminar "Bridge '23 – Madurai (A high impact Industry – Institute Interaction Event of India"	ICT Academy sponsored by Information Technology and Digital Services Department, Government of TamilNadu	30.09.2023	Participated	-
35.	National Seminar on Entrepreneurial Traits and Trends, 2023	Research Centre of Commerce, Fatima College (Autonomous), Madurai	29.09.2023	Presented	"Artificial Intelligence and Entrepreneurship: AI Tools of Innovation for Start-Ups"
36.	International Conference on "Artificial Intelligence, Communication, IoT, Data Engineering, and Security (IACIDS 2023)"	Department of Data Science, Christ (Deemed to be University), Pune	23.11.2023	Presented	"Contemporary Approaches on Reversible Data Hiding in Iris Images using Deep Learning Techniques"
37.	National Conference on "Computational Science and its Applications"	Department of Computer Applications & IQAC, St. Annes Degree College for Women, Bengaluru	13.12.2023	Presented	"Palmprint Biometric Recognition and Deployment"
38.	National conference on "ROBOTICS & AUTOMATION"	Department of Information Technology & Management, Arul Anandhar College, Karumathur	23.02.2024	Presented	"An Appraisal on Image Distorting and Denoising Techniques for Biometric Images"

39.	IEEE International Conference on Trends us Quantum Computing and Emerging Business Technologies	CHRIST (Deemed to be University), Pune Lavasa Campus in Collaboration with IEEE Pune – 24	22.03.2024	Presented	Novel Methodology for Reversible Data Hiding in IRIS images using STC and Hashing

Online National/International Webinar, Workshop, Conference & Symposium

S. No.	Programmes	Date	Participated/ Presented	Title of the Paper	ISBN / ISSN
1.	International Conference on 'New Frontiers in Mathematics and Computing - ICNFMC 2019	Aspire Special Issue – In House Journal, Lady Doak College, Madurai 18.02.2019 & 19.02.2019	Presented & Published	An Appraisal on Image Blurring and Denoising Techniques	ISSN 2229 - 4953
2.	International journal of Advanced Research, Ideas in Innovations in Technology	March – April 2020 Vol 6, Issue 2	Presented & Published	Analysis on the expectations of Future Multimodal Biometrics Fusion	ISSN 2454 – 132X Impact Factor- 4.295
1.	Workshop For Teachers	Universal Teachers Academy, Puducherry	21.04.2020 – 30.04.2020	Participated	Creation of Basic E-Content, Animated E-Content, Stop Motion Animation, Editing E-Content Creating and Uploading Interactive E-Content
2.	Workshop	REST Society for Research International, Krishnagiri	28.04.2020 – 30.04.2020	Participated	Basic Online Research Methodology
3.	Seven Day International Workshop	PSG College of Arts and Science, Tamil Unlimited USA and World Tamil Software Open Community, USA	29.04.2020 – 05.05.2020	Participated	"Teaching Tamil Through Computerized Technology"
4.	Three Days FDP	Nallamuthu Gounder Mahalingam College, Pollachi	13.05.2020 – 15.05.2020	Participated	Cloud Applications – An Introduction
5.	Workshop For Teachers	Universal Teachers Academy, Puducherry	14.05.2020 – 18.05.2020	Participated	Workshop For Teachers
6.	Workshop	Dept of Computer Science, Lady Doak College, Madurai	15.05.2020 – 16.05.2020	Participated	"Data Visualization Using R"
7.	Workshop For Teachers	Universal Teachers Academy, Puducherry	02.06.2020 – 06.06.2020	Participated	Workshop For Teachers
8.	10 Hours Online Workshop	NexGenetics IT Services Pvt Ltd	27.06.2020	Participated	Machine Learning

9.	National Workshop on Soft Skills	Dept of Educational Psychology, Tamilnadu Teachers Education university	01.07.2020	Participated	Soft Skills
10.	Workshop	Jayaraj Annapackiam CSI Polytechnic College, Nasareth	10.07.2020	Participated	Google classroom
11.	Two Day National Workshop	Universal Teachers Academy, Puducherry	03.05.2021 – 04.05.2021	Participated	Creating Interactive E-Content
12.	Five Day International Workshop	St. Francis De Sales College, Nagpur, Maharashtra	01.06.2021 – 05.06.2021	Participated	Advance Teaching, Learning, Research Methodology and Innovations
13.	Five Day Online International Workshop	Universal Teachers Academy, Puducherry	14.06.2021 – 18.06.2021	Participated	Creating Interactive E-Assessment Tools
14.	Three Day Online Workshop	SCOPE, Vellore Institute of Technology, Chennai	22.04.2022 – 25.04.2022	Participated	Game-A-Thon
15.	5 Days Virtual National FDP	Department of Computer Science, Sri.S.Ramasamy Naidu Memorial College, Virdhunagar	13.02.2023 – 17.02.2023	Participated	Recent Advancements in Computing Technology
16.	Two Day National Level Online Workshop	Department of Artificial Intelligence, Mannar Thirumalai Naicker College, Madurai	27.07.2023 – 28.07.2023	Participated	Chat GPT & AI Tools to Save 2 Hours of Work Daily
17.	Ten Days Online Research Methodology Workshop / Ph.D. Course work	Research and Development Committee in association with Ph.D. Research Centre of Vidyalankar School of Information Technology and sponsoredby Indian Council of Social Science Research (ICSSR)	11.12.2023 – 22.12.2023	Participated	Research Methodology
18.	two-day's Workshop	Thiyagaraj College of Engineering, Department of ECE, Madurai	01.03.2024 – 02.03.2024	Participated	"AI for Image Processing, Computer Vision and Robotics"

SkyCampus Expert Sessions:

S. No.	Programmes	Organized by	Date	Participated / Presented	Title of the Paper
1.	Weekly Expert Session	SKY Campus, ICT Academy	10.04.2020 – 18.04.2020	Participated	Technology for Future
2.	Weekly Expert Session	SKY Campus, ICT Academy	20.04.2020 – 24.04.2020	Participated	Leading in a VUCA World
3.	Weekly Expert Session	SKY Campus, ICT Academy	27.04.2020 – 30.04.2020	Participated	The Future is Here Now
4.	Weekly Expert	SKY Campus, ICT Academy	04.05.2020 –	Participated	The Future of Education,

	Session		08.05.2020		Employment, Entrepreneurship
5.	Weekly Expert Session	SKY Campus, ICT Academy	11.05.2020 – 15.05.2020	Participated	"The Future of Skills – Education, Employment, Entrepreneurship"
6.	Weekly Expert Session	SKY Campus, ICT Academy	18.05.2020 – 22.05.2020	Participated	Future Tech 2020
7.	Webinar Series	Dept of Business Administration, Sri Ramakrishna College of Arts & Science for Women	11.05.2020 – 16.05.2020	Participated	"Teaching Learning Tools for the Digital Era"

WEBINARS:

S. No.	Programmes	Organized by	Date	Participated / Presented	Title of the Paper
1.	Webinar	Research Centre for Language and Literature, Vishwanathbite.com	10.04.2020	Participated	E-Content Development
2.	Webinar	Bhagwan Mahaveer College of Commerce and Management Studeis, Bhagwan Mahaveer University, Gujarat	13.04.2020 – 16.04.2020	Participated	An Effective Research Paper Writing Skills
3.	Webinar	PROQUEST	17.04.2020	Participated	How to Use Proquest During Lockdown Period?
4.	Webinar	Balaji Institute of Technology and Science, New Delhi	20.04.2020	Participated	Consent and Data
5.	Webinar	Library Dept, Skyline University College	21.04.2020	Participated	The Impact of Research Data and Metrics
6.	Webinar	Dept of Computer Science and Engineering, Dr.MGR Educational and Research Institute, Deemed to be University, Chennai in Association with Foursteps Training Solutions	26.04.2020	Participated	Artificial Intelligence
7.	Expire Webinar Series 2019 - 2020	VET Institute of Arts & Science, Erode	27.04.2020	Participated	Managing Stress And Emotional & Mental Wellbeing During Covid 19 Crisis for Educators
8.	Webinar	Chennai Institute of Technology, Chennai	29.04.2020	Participated	The Art of Writing Research Papers
9.	International Webinar	Centre For Humanities, School Of Liberal Arts And Mangement Studies, P P Savani University	01.05.2020	Participated	"How Are Words Added To The Dictionary?"
10.	International Webinar	Centre For Humanities, School Of Liberal Arts And Mangement Studies, P P Savani University	02.05.2020	Participated	"Complexity , Chaos and Coping in Real Life"
11.	International Webinar	Centre For Humanities, School Of Liberal Arts And Mangement	03.05.2020	Participated	"IELTS Made Easy"

		Studies, P P Savani University			
12.	Webinar	Dept of IT and CT, VLB Janakiammal College of Arts and Science	04.05.2020	Participated	Block Chain Technology in Google Hangouts
13.	Webinar	SKY Campus, ICT Academy	04.05.2020	Participated	The Power of a Teacher
14.	Webinar	Dept of ComputerScience and Mathematics, Arasu College of Arts & Science for Women, Karur	04.05.2020	Participated	Documentation Using LATEX
15.	Webinar	Chennai Institute of Technology, Chennai	05.05.2020	Participated	Hangout with Successful Startups
16.	Webinar	Chennai Institute of Technology, Chennai	06.05.2020	Participated	Research Challenges in Data Mining
17.	Webinar	Department of Computer Applications, Sri GVG Visalakshi College for Women, Udumalpet	07.05.2020	Participated	Mental Health and Psychosocial Aspects of Covid Outbreak
18.	Webinar	Dept of Electrical and Electronics Engineering And Sri Eshwar College of Engineering, Coimbatore	08.05.2020	Participated	Effective Conduct of Online Classes
19.	Webinar	Arasu College of Arts and Science for Women, Arasu College of Education for Women, Pon Kaliamman College of Education, Karur	08.05.2020	Participated	Classroom English
20.	Webinar	Dept of Civil Engineering, Mahendra College of Engineering Salem	09.05.2020	Participated	Solid Waste Management
21.	Webinar	Arasu College of Arts and Science for Women, Arasu College of Education for Women, Pon Kaliamman College of Education, Karur	10.05.2020	Participated	Vazhamaana Naadu Athil Ungal Pangalippu
22.	Webinar	Tamizh Inaya Kazhagam (Virtual Academy), Tamizh Panbalai Inaiya Vaanoli	04.05.2020 – 17.05.2020	Participated	Tamil Kanini
23.	Webinar	Office of Controller of Examination, GTN Arts College, Dindigul	11.05.2020	Participated	"Assessment and Evaluation in Outcome Based Education"
24.	National Webinar	Dept of BAF, BMS and MCOM, St.Andrews College of Arts, Science & Commerce in Association with LEAPUP Edutech Pvt Ltd.,	13.05.2020	Participated	Value Investing – Key To Create Long Term Wealth
25.	Panel Discussion	Pandit DeenDayal Petroleum University in Association with PDPU Innovation and Incubation Centre	15.05.2020	Participated	Research, Innovation and Entrepreneurship Opportunities in Covid 19 Scenario

26.	Webinar	Arasu College of Arts and Science for Women, Arasu College of Education for Women, Pon Kaliamman College of Education, Karur	21.05.2020	Participated	Enhancing Immunity Naturally
27.	Webinar	Dept of Computer Science, St.Xaviers College, Jarkand	23.05.2020	Participated	Introduction to Machine Learning
28.	Expert Session by Bharathi Baskar	SKY Campus, ICT Academy	25.05.2020	Participated	Change is the Essence of Life
29.	International Webinar	Bishop Ambrose College, Coimbatore	26.05.2020	Participated	SQL Server – Database Design and Implementation
30.	National Webinar	Dept of Computer Science, SLS.MAVMM.AYIRA Vaishya College, MAdurai	27.05.2020	Participated	IOT and Its Appliacation
31.	Webinar	Chennai Institute of Technology, Chennai	29.05.2020	Participated	Communication Skills for Corporate Success
32.	Live Telecast – Episode 7	Fine Mind Placement Academy Pvt Ltd.,	29.05.2020	Participated	Kanavu Meipada
33.	Webinar	Chennai Institute of Technology, Chennai	30.05.2020	Participated	Substraight in Mobilized TIO2 Photo Catalysts for Environmental Applications in the Perspective of Corona Virus Pandemic
34.	International Webinar	IEMS B-School Hoogli	30.05.2020	Participated	Mobile Learning
35.	National Webinar	IQAC, Vellalar College Of Education For Women, Erode	01.06.2020 – 02.06.2020	Participated	Mental Health Practices
36.	International Webinar	Research Centre of Commerce, Fatima College, Madurai	03.06.2020	Hosted & Participated	Impact of Changes and Challenges Towards Global Marketing in Post COVID 19
37.	Webinar	Chennai Institute of Technology, Chennai	03.06.2020	Participated	Inspiring Stories About Programming in Software Companies
38.	International Webinar	Dept of Computer Science, Thaseem Beevi Abdul Kaathar College for Women, Ramanathapuram	11.06.2020	Participated	"Trending in Tech"
39.	Webinar	Chennai Institute of Technology, Chennai	16.06.2020	Participated	The Art of Story Telling
40.	State Level Webinar	YOGA & Meditation Club of Kamathenu Arts and Science College, Erode	21.06.2020	Participated	Meditation A Progressive Relaxation
41.	Webinar	Chennai Institute of Technology, Chennai	27.06.2020	Participated	Overview of Intellectual Property Rights
42.	International Webinar	Research Centre of Physics, Fatima College, Madurai	13.07.2020 – 15.07.2020	Participated	Advanced Materials for Energy Storage Applications

43.	Five Days Webinar	Fatima College, Madurai	27.07.2020 – 31.07.2020	Participated	Reanimating Skills to the New Normal
44.	International Conference on	Fatima College, Madurai	29.07.2020– 02.08.2020	Participated	"Global Service Learning - 2020"
45.	International Webinar	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi	12.04.2021	Participated	Cloud Computing with Microsoft Azure
46.	National Webinar	St. Francis De Sales College, Nagpur, Maharashtra	05.09.2021	Participated	International Day of Charity
47.	National Webinar	St. Francis De Sales College, Nagpur, Maharashtra	18.09.2021	Participated	Recent Developments in Artificial Intelligence And their impact on Religion and Society
48.	Webinar	Government Engineering College, Rajkot	01.05.2022	Participated	"A Journey from Linear Algebra to Machine Learning"
49.	International Webinar	Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi, Idhaya College, Sivagangai	28.01.2022	Participated	"IT Portfolio Management JIRA"
50.	National Webinar	Department of Data Science, The American College, Madurai	23.09.2023	Participated	"Data Investigation Through EDA Using Python"
51.	UGC sponsored Virtual Webinar	UGC Malaviya Mission Teacher Training Centre, MKU	24.02.2024	Participated	"Essentials of Report Writing using MS Word"
52.	One-Day National Webinar	Annai Vailankanni College of Engineering, Kanyakumari and San Snow's Nobel Professional Foundation	01.03.2024	Participated	"A GUI way to learn Machine Learning: An Interdisciplinary workshop for Researchers"
53.	UGC sponsored Virtual Webinar	UGC Malaviya Mission Teacher Training Centre, MKU	02.03.2024	Participated	"Research and Development"
54.	Two-Day's Workshop	Thiyagarajar College of Engineering, Department of ECE, Madurai	01.03.2024 – 02.03.2024	Participated	"AI for Image Processing, Computer Vision and Robotics"
55.	One-day National Webinar	Annai Vailankanni College of Engineering, Kanyakumari and SanSnow'sNobel Professional Foundation (Approved by MSME and Ministry of Corporate Affairs, Govt. of. INDIA)	01.03.2024	Participated	"A GUI way to learn Machine Learning: An Interdisciplinary workshop for Researchers"
56.	One-day UGC Sponsored webinar	UGC - Malaviya Mission Teacher Training Centre, Madurai Kamaraj University	02.03.2024	Participated	"Research and Development"
57.	one day IP Awareness/Training program	Intellectual Property Office, India	11.03.2024	Participated	"National Intellectual Property Awareness Mission"

Online Courses

S. No.	Name of the Course	Course Duration	Offered By

1.	Two Week MOOC Workshop for College Teachers Management of Environment and Its Resources (MOOCMER201282)	28.04.2020 – 11.05.2020	Dept of Chemistry and Research, Nesamoni Memorial Christian College, Marthandam and Dept of Chemistry and Research St.Xaviers College, Palayamkottai

8. Journal Publications

1.	International Conference on 'New Frontiers in Mathematics and Computing - ICNFMC 2019	Aspire Special Issue – In House Journal, Lady Doak College, Madurai 18.02.2019 & 19.02.2019	Presented & Published	An Appraisal on Image Blurring and Denoising Techniques	ISSN 2229 - 4953
2.	International journal of Advanced Research, Ideas in Innovations in Technology	March – April 2020 Vol 6, Issue 2	Presented & Published	Analysis on the expectations of Future Multimodal Biometrics Fusion	ISSN 2454 – 132X Impact Factor-4.295
3.	"European Chemical Bulletin"	Eur. Chem. Bull. 2023, 12(Special Issue 5), 01 –11 10.05.2023	Presented & Published	Study of Secure Biometric Authentication System for Reversible Data Hiding Using Steganography	ISSN: 2063-5346 10.31838/ecb/2023. 12.si5.00xyz
4.	International Conference on "Advanced Computing Technologies for Innovative Solutions"	Department of Computer Science and Applications, Gandhigram Rural Institute (Deemed to be University), Dindigul	Presented & Published	Study of Secure Biometric Authentication System for RDH Using Steganography	ISBN : 978-93-92063-42-8 pp.221 – 226
5.	Journal of the Asiatic Society, Mumbai (A UGC Care Listed Journal)	Research Centre of Commerce, Fatima College (Autonomous), Madurai	Published	Artificial Intelligence and Entrepreneurship: AI Tools of Innovation for Start-Ups	Volume 99:2023 (New Series) ISSN 0972 – 0766 [pp.198 – 204]
6.	"European Union Library"	Eur. Chem. Bull. 2023, 12(Special Issue 5), 01 –11 70.03.2024	Presented & Published	Contemporary Approaches on Reversible Data Hiding Using Deep Learning Techniques	ISSN: 2063-5346 10.31838/ecb/2023. 12.si5.00xyz
7.	International Journal of Multidisciplinary Research and Growth Evaluation	10.04.2024	Presented & Published	A framework for effective pedagogical strategies in student mentoring to empower the potentials beyond knowledge transfer	ISSN: 2063-5346 10.31838/ecb/2023. 12.si5.00xyz

9. Book Publications

1.	International Level Book Chapters Contribution "Techno Creativity: To Promote ICT Tools in Research"	LAP Lambert Academic Publishing, Europe, 2023	Published	"AI Tools of Innovation for Start-Ups", "Digitalization of Higher Education Institutions", "Research on the Influence of AI: Technology for Students' Concentration and Creativity"	ISBN: 978-620-6-84626-0
2.	National Level Book "Emerging Trends in Information Technology"	Department of Information Technology, Rathinam College of Arts and Science, Coimbatore,	Published	"Information Security Algorithms for Biometric Images"	Volume II - September 2023. (ISBN : 978 – 81 – 965283 – 7 – 9) [pp.38 – 43]
3.	International Level Book	Lambert Academic Publishing, Dodo Books Indian Ocean Ltd.	Published	"TECHNO CREATIVITY : To Promote ICT Tools in Research"	ISBN: 978-620-6-84626-0, March 2024
4.	International Level Book	Vaigai Digtal Marketing, Madurai	Published	COMPUTER GRAPHICS A PERSPCTIVE APPROACH	ISBN: 978-81-967691-7-8 – August 2024

10. Guest Lecture Delivered

S. No.	Title	Organization	Date
1.	Aptitude Training	Dept. of Computer Applications (BCA), Fatima College, Madurai	09.10.2014
2.	Two Day FDP on New Pedagogical Tools for Online Teaching	IQAC, Fatima College(Autonomous), Madurai	11.05.2020 – 12.05.2020
3.	Webinar on Cyber Security & Animation Tools	IQAC, Fatima College(Autonomous), Madurai	21.05.2020
4.	Tools to Create E-Learning Interactions and Assessments	PG and Research Department of Economics, Govt Arts College, Melur, Madurai	06.06.2020
5.	FDP on Interactive Content Preparation using H5P on New Directions and Dimensions in Higher Education	IQAC, Arulmigu Palaniaandavar Arts College for Women Dindugul	09.06.2020 – 15.06.2020
6.	Data interpretation and Reasoning	Career Guidance Cell, Fatima College, Madurai	20.12.2021 – 21.12.2021

Name : P. Nancy Vincentina Mary
Position : **ASSOCIATE** Professor
Faculty of : **DEPARTMENT OF MCA**
Phone/Mobile : 9942068235
Email ID : nancy.vincentina.mary@gmail.com
Date of Birth : 22.07.1984
Languages Proficiency
Read : Tamil & English
Write : Tamil & English
Speak : Tamil & English

1. Qualification

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	COMPUTER SCIENCE	FATIMA COLLEGE (AUTONOMOUS), MADURAI	2005
2.	PG	MCA	FATIMA COLLEGE (AUTONOMOUS), MADURAI	2008
3.	M.Phil.	COMPUTER SCIENCE	PRIEST UNIVERSITY, THANJAVUR	2009
4.	Ph.D	COMPUTER APPLICATION	ANNAMALAI UNIVERSITY,CHITHAMBARAM	PURSUING
5.	NET	COMPUTER SCIENCE & APPLICATIONS	UGC	2022

2. Teaching Experience

S. NO.	INSTITUTION	FROM – TO (PERIOD)
1.	**ASSOCIATE** PROFESSOR, FATIMA COLLEGE, MADURAI	2009 - TILL DATE

3. Position Held In Fatima

S. NO.	NAME OF THE POSITION	DURATION
1.	HOD	2016-2019
2.	GREEN CLUB INCHARGE	2012 - 2013
3.	JUNIOR JAYCEE COORDINATOR	2013 - 2016
4.	AICUF COORDINATOR	2016 -2017
5.	CERTIFICATE COURSE COORDINATOR	2016 –2022
6.	E-CONTENT DEVELOPMENT CELL MEMBER	2018
7.	WEB COMMITTEE MEMBER	2017-TILL DATE

4. Position Held Outside

S. No.	Name Of The Position	Name Of The Institution	Duration
1.	QUESTION PAPER SETTER	ARULANANDAR COLLEGE, KARUMATHUR	2011 ONWARDS
2.	QUESTION PAPER SETTER	LADY DOAK COLLEGE, MADURAI	2011 ONWARDS
3.	QUESTION PAPER SETTER	ST. JOSEPH'S COLLEGE, TRICHY	2012 ONWARDS
4.	EXTERNAL EXAMINER	LADY DOAK COLLEGE, MADURAI	2011 ONWARDS
5.	EXTERNAL EXAMINER	SUBBALAKSHMI LAKSHMIPATHY COLLEGE	2016 ONWARDS
6.	EXTERNAL EXAMINER	SOURASTRA COLLEGE, MADURAI	2016 ONWARDS
7.	EXTERNAL EXAMINER	AMERICAN COLLEGE,MADURAI	2018 ONWARDS
8.	EXTERNAL EXAMINER	MANNAR COLLEGE,MADURAI	2023 ONWARDS

5. Areas of Specialization

- Java
- Data Mining
- AI

6. Orientation/Refresher/Training Programmes/FDP Attended

S. NO.	PROGRAMME	THEME	ORGANIZED BY	DATE
1.	FDP	ANDROID APPLICATIONS	PG DEPARTMENT OF COMPUTER APPLICATIONS	23.11.2013
2.	FDP	DIGITAL IMAGE PROCESSING – IMAGE J	UG DEPARTMENT OF COMPUTER APPLICATIONS & IT	07.03.2014
3.	TEQIP SPONSORED FDP	NETWORK SECURITY TOOLS	DEPT. OF CSE, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	SEP. 02 & 03, 2016
4.	NATIONAL LEVEL ONLINE FDP	E-CONTENT DEVELOPENT USING MULTIMEDIA TOOLS	UNIVERSAL TEACHERS ACADEMY	8.5.2020 TO 12.5.20
5.	FDP	NEW NORMAL PEDAGOGICAL TOOLS FOR ONLINE TEACHING	IQAC,FATIMA COLLEGE	11.5.2020 & 12.5.2020

6.	FDP	PYTHON 3.4.3	MADURAI SIVAKASI NADARS PIONEER MEENAKSHI WOMEN'S COLLEGE	11.5.2020 TO 15.5.2020
7.	FDP	DIGITAL TEACHING METHODS IN HIGHER EDUCATION	HINDUSTHAN COLLEGE OF ARTS & SCIENCE,COIMBATORE	23.08.2021 TO 28.08.2021
8.	FDP	STATE LEVEL FACULTY DEVELOPMENT PROGRAM	GURU NANAK COLLEGE, CHENNAI	08.03.2021 – 11.03.2021
9.	SHORT TERM COURSE - ONLINE	SOFTWARE TESTING TOOLS	NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL	19.07. 2021 – 23.07. 2021
10.	FDP	DIGITAL TEACHING METHODS IN HIGHER EDUCATION	HINDUSTAN COLLEGE OF ARTS AND SCIENCE, COIMBATORE	23.08.2021 – 28.08.2021
11.	THREE DAYS FACULTY DEVELOPMENT PROGRAMME	"RESEARCH AVENUES IN MACHINE LEARNING"	AYYA NADAR JANAKI AMMAL COLLEGE	21.09.2021 TO 23.09.2021
12.	FDP	AMAZON WEB SERVICES	T.JOHN ISTITUTE OF TECHNOLOGY,BANGALORE	22.08.2022 TO 27.08.2022
13.	5 DAYS VIRTUAL NATIONAL FDP	RECENT ADVANCEMENTS IN COMPUTING TECHNOLOGY	DEPT. OF COMPUTER SCIENCE, SRNM COLLEGE, SATTUR	13.02.2023 TO 17.02.2023
14.	2 DAYS SHORT TERM COURSE	HEALING THE INNER CHILD	ANUGRAHA INSTITUTE OF COUNSELLING, PSYCHOTHERAPY AND RESEARCH	01.03.2023 &02.03.2023
15.	5 DAYS VIRTUAL NATIONAL FDP	AWS USING DEVOPS	CMR ENGINEERING COLLEGE, HYDERABAD	26.06.2023 - 30.06.2023

7. National/International/State/Regional etc….. Seminar, Workshop, Conference, Symposium etc……

S. NO	PROGRAMME & THEME	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
1.	NATIONAL LEVEL SEMINAR ON "INDIAN SERVICE SECTOR"	SIVAKASI NADAR PIONEERMEENAKSHI WOMEN COLLEGE, POOVANTHI	FEB. 26, 2010	PRESENTED	DATA SYNCHRONIZATION IN MOBILE COMPUTING
2.	NATIONAL LEVEL SEMINAR ON "CONTEMPORARY PROGRESS IN CYBERSPACE"	DEPT. OF INFORMATION TECHNOLOGY, FATIMA COLLEGE, MADURAI	FEB. 17, 2012	PRESENTED	GRID COMPUTING
3.	NATIONAL CONFERENCE ON "COMPUTATIONAL INTELLIGENCE NCCI'12"	PG DEPT. OF COMPUTER APPLICATIONS & IT	SEP. 22, 2012	PRESENTED	DYNAMIC CELL PLANNING PROBLEM IN MOBILE COMMUNICATION

4.	INTERNATIONAL SEMINAR ON “CONTEMPORARY ISSUES AND CHALLENGES OF INDIAN BUSINESS IN GLOBAL SCENARIO”	JAMAL MOHAMED COLLEGE, TRICHY	FEB. 13 & 14, 2013	PRESENTED	SECURE ELECTRONIC TRANSACTION
5.	WORKSHOP ON "ANDROID APPLICATION DEVELOPMENT"	DEPT. OF COMPUTER APPLICATION, FATIMA COLLEGE, MADURAI	NOV. 23, 2013	PARTICIPATED	-
6.	WORKSHOP ON "IMAGE PROCESSING WITH IMAGE J AND RESEARCH OPPORTUNITIES IN DIGITAL IMAGE ANALYSIS"	DEPT. OF IT, FATIMA COLLEGE, MADURAI	MAR. 07, 2014	PARTICIPATED	-
7.	TWO DAY INTERNATIONAL CONFERENCE ON "SOCIAL MEDIA FOR SERVICE SECTOR"	DEPT. OF MCA, FATIMA COLLEGE, MADURAI	AUG. 20 & 21, 2014	PRESENTED	NEURAL COMPUTATIONS UNDERLYING DYNAMIC DECISION MAKING
8.	INTERNATIONAL CONFERENCE ON "MANAGING DISASTER-A STRATEGIC PERSPECTIVE"	DEPT. OF MBA & PG IT, FATIMA COLLEGE, MADURAI	SEP. 29 & 30, 2016	PRESENTED	BIG DATA MINING USING MAP REDUCE
9.	WORKSHOP ON "TOOLS AND TECHNIQUES FOR SEMANTIC AND IMAGE ANALYSIS"	DEPT. OF IT, MADURAI SIVAKASI NADARS PIONEER MEENAKSHI WOMENS COLLEGE, POOVANTHI	SEP. 23, 2016	PARTICIPATED	-
10.	ONE DAY NATIONAL SEMINAR ON “CORPORATE GOVERNANCE AND SHAREHOLDERS VALUE”	RESEARCH DEPT. OF COMMERCE (CA), MAHENDRA ARTS & SCIENCE COLLEGE, TIRUCHENGODE	MAR. 25, 2017	PRESENTED	BIG DATA ANALYSIS AND ITS USES IN E-GOVERNANCE
11.	STAE LEVEL WEBINAR ON ESSENTIAL INFORMATION FOR EDUCATED COMMUNITY ON PROPHYLAXIS FOR COVID-19 HIGH RISK	CHENNAI INSTITUTE OF TECHNOLOGY	MAY 09, 2020	PARTICIPATED	-
12.	STAE LEVEL WEBINAR ON REAL LIFE APPLICATIONS OF MECHATRONICS	CHENNAI INSTITUTE OF TECHNOLOGY	MAY 09, 2020	PARTICIPATED	-
13.	STAE LEVEL WEBINAR ON INDUSTRY 4.0	CHENNAI INSTITUTE OF TECHNOLOGY	MAY 15, 2020	PARTICIPATED	-
14.	STAE LEVEL WEBINAR ON COMPUTER VISION OVERVIEW	CHENNAI INSTITUTE OF TECHNOLOGY	MAY 16, 2020	PARTICIPATED	-

15.	STAE LEVEL WEBINAR ON ENJOYABLE & ENGAGING TOOLS TO LEARN CODING	CHENNAI INSTITUTE OF TECHNOLOGY	MAY 19, 2020	PARTICIPATED	-
16.	STAE LEVEL WEBINAR ON ARTIFICIAL INTELLIGENCE	DEPT OF COMPUTER SCIENCE AND ENGINEERING OF DR.M.G.R.EDUCATIONAL AND RESEARCH INSTITUTE,DEEMED TO BE UNIVERSITY,CHENNAI	APRIL 26,2020	PARTICIPATED	-
17.	STAE LEVEL WEBINAR ON FUTURE TECH 2020-5G AS AN ENABLER IN DIGITAL TRANSFORMATION	ICT ACADEMY	MAY 18, 2020	PARTICIPATED	-
18.	STAE LEVEL WEBINAR ON POWER OF TEACHER	ICT ACADEMY	MAY 04, 2020	PARTICIPATED	-
19.	STAE LEVEL WEBINAR ON INNOVATIVE ONLINE PEDAGOGIES-TEACHING 2.0	ENTERCON	JULY 19, 2020	PARTICIPATED	-
20.	STAE LEVEL WEBINAR ON DATA VISUALIZATION USING R	DEPT OF COMPUTER SCIENCE, LADY DOAK COLLEGE, MADURAI.	MAY 15&16, 2020	PARTICIPATED	-
21.	NATIONAL CONFERENCE ON ADVANCES IN COMPUTING TECHNOLOGY	DEPT OF COMPUTER SCIENCE, BHARATH INSTITUTEOF SCIENCE AND TECHNOLOGY,CHENNAI	JAN 08, 2021	PRESENTED	SURVEY ON IOT IN MEDICAL AND HEALTH CARE
22.	INTERNATIONAL WEBINAR ON "RECENT ADVANCEMENTS IN MACHINE LEARNING"	ARUL ANANDAR COLLEGE	MAR. 18, 2021 & MAR. 19, 2021	PARTICIPATED	
23.	14TH NATIONAL SEMINAR ON RESEARCH ISSUES IN DIGITAL IMAGE PROCESSING & VIDEO ANALYTICS	MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI	MAR.19, 2021 & MAR. 20, 2021	PARTICIPATED	
24.	9 TH INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY 2021 ORGANIZATION OF SCIENCE	ORGANIZATION OF SCIENCE AND INNOVATIVE ENGINEERING AND TECHNOLOGY	APR.10, 2021 & APR. 11, 2021	PRESENTED	ANALYSIS ON THE INTERVENTION OF BIG DATA IN IOT

25.	INTERNATIONAL WEBINAR ON "CLOUD COMPUTING WITH MICROSOFT AZURE"	MADURAI SIVAKASI NADARS PIONEER MEENAKSHI WOMEN'S COLLEGE,POOVANTHI	APR.12, 2021	PARTICIPATED	
26.	DATA SCIENCE CONCEPTS & BIG DATA ANALYTICS	DEPARTMENT OF COMPUTER APPLICATIONS, AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI	JUN.02,2021	PARTICIPATED	-
27.	PREPARATION STRATEGIES FOR UGC NET & TN SET	CSIR/UGC NET COUNSELING CELL, THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN, SIVAKASI	JUN.11,2021	PARTICIPATED	
28.	ONE DAY NATIONAL WEBINAR ON "GIVE YOUR STRESS WINGS AND LET IT FLY AWAY"	ST. FRANCIS DE SALES COLLEGE, NAGPUR	SEP. 11 2021	PARTICIPATED	-
29.	EMERGING TRENDS IN SCIENCE, TECHNOLOGY AND MATHEMATICS	PARVATHY'S ARTS AND SCIENCE COLLEGE, DINDIGUL	SEP.15,2021 & SEP.16,2021	PRESENTED	EXPLORING THE APPLICATION OF SMART IOT DEVICES SPECIFIC TO SENIOR CITIZEN CARE
30.	RECENT DEVELOPMENTS IN ARTIFICIALZ INTELLIGENCE AND THEIR IMPACT ON RELIGION AND SOCIETY	DEPT OF MCA, SAINT FRANCIS DE SALES COLLEGE, NAGPUR	SEP.18,021	PARTICIPATED	-
31.	ONE WEEK NATIONAL ONLINE WORKSHOP ON " ROBOTIC PROCESS AUTOMATION DESIGN & DEVELOPMENT"	ST. FRANCIS DE SALES COLLEGE, NAGPUR	SEP. 20, 2021 – SEP.24, 2021	PARTICIPATED	-
32.	INTERNATIONAL WORKSHOP HANDS ON SESSION ON "MONGO DB"	PATRICIAN COLLEGE OF ARTS AND SCIENCE, CHENNAI	JULY.15, 2021– JULY.17 ,2021	PARTICIPATED	-
33.	POWERING SUPPLY CHAIN NETWORKS BEYOND THE COVID'19 PANDEMIC: LESSONS AND WAY FORWARDED(ICPRS2021)	BINARY UNIVERSITY, MALAYSIA	OCT.14, 2021 & OCT.15, 2021	PRESENTED	AN ANALYSIS ON THE CONVERGENCE OF ARTIFICIAL INTELLIGENCE TECHNIQUES IN DIABETIC MANAGEMENT AND CARE

34.	POPULAR LECTURE SERIES, LECTURE 2 ON "MACHINE LEARNING IN BIOINFORMATICS"	SPONSORED BY DEPARTMENT OF BIOTECHNOLOGY (DBT), MINISTRY OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA, NEW DELHI. ORGANIZED BY VVV COLLEGE, VIRUDHUNAGAR.	26.02.2022	PARTICIPATED	-
35.	VIRTUAL INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME "AUTO ML"	LADY DOAK COLLEGE MADURAI	04.03.2022	PARTICIPATED	-
36.	INTERNATIONAL CONFERENCE ON "INNOVATIVE TECHNOLOGIES AND THEIR APPLICATIONS IN HIGHER EDUCATION"	IQAC ,ANNAMALAI UNIVERSITY,CHITHAMBARAM	17.10.2022 TO 19.10.2022	PRESEMTED	**AN ANALYSIS ON MACHINE LEARNING TECHNIQUES IN MICROARRAY GENE EXPRESSION DATA FOR CANCER CLASSIFICATION**
37.	INTERNATIONAL	JOURNAL OF EDUCATIONAL AND SOCIAL RESEARCH	SEPTEMBER 2022	PUBLISHED	**AN ENSEMBLE FEATURE SELECTION METHOD FOR GENE EXPRESSION CLASSIFICATION**
38.	INTERNATIONAL WORKSHOP ON "ESSENTIAL SKILLS FOR CAREER BUILDING AND DEVELOPMENT"	IQAC, ANNAMALAI UNIVERSITY	11.01.2023	PARTICIPATED	-
39.	STATE LEVEL SEMINAR ON "INTELLECTUAL PROPERTY RIGHTS"	DEPARTMENT OF BCA, THE AMERICAN COLEGE, MARURAI.	03.02.2023	PARTICIPATED	-
40.	TWO DAY NATIONAL CONFERENCE ON "THE ROLE OF COMPUTATIONAL INTELLIGENCE IN EMERGING RESEARCH INNOVATIONS"	DEPT OF COMPUTER SCIENCE, ANNAMALAI UNIVERSITY, CHITHAMBARAM	10.03.2023 & 11.03.2023	PRESENTED	**THE IMPORTANCE OF NATURE INSPIRED ALGORITHM IN GENE SUBSET SELECTION FOR CANCER CLASSIFICATION**
41.	11TH INTERNATIONAL CONFERENCE ON "CONTENPORARY ENGINEERING AND TECHNOLOGY 2023"	SCIENCE & INNOVATIVE ENGINEERING AND TECHNOLOGY,CHENNAI.	01.05.2023 & 02.05.2023	PRESENTED	**SWARM INTELLIGENCE BASED FIREFLY ALGORITHM FOR MICROARRAY CANCER CLASSIFICATION**

42.	JOURNAL	SCOPUS INDEXED JOURNAL INTERNATIONAL JOURNAL OF EXPERIMENTAL RESEARCH AND	June,2024	PUBLISHED	**FEATURE SELECTION IN MICROARRAY USING PROPOSED HYBRID MINIMUM REDUNDANCY-MAXIMUM RELEVANCE (MRMR) AND MODIFIED GENETIC ALGORITHM(MGA)"**
43.	JOURNAL	JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS (JOCAAA)	23-09-2024	PUBLISHED	**INTEGRATING HRPGW OPTIMIZATION WITH ALSTM FOR ENHANCED CANCER DIAGNOSIS IN GENE EXPRESSION MICROARRAY DATA ANALYSIS**

FEE

MBA FEE DETAILS 2024-2025

Particulars	Semester I	Semester II*
Tuition Fees	35,000.00	35,000.00
Laboratory Fee	4,000.00	4,000.00
Library Fee	4,800.00	4,800.00
Admission Fee	1,000.00	-
Internal Assessment	1,600.00	1,600.00
Seminar, Sessions & Symposium	2,600.00	2,600.00
Guest Lecture	3,500.00	3,500.00
Case Study Materials	2,300.00	2,300.00
Identity Card & File	100.00	
Parents Meeting	-	100.00
Alumnae Association (Life Membership)	-	1,000.00
Parent Alert	100.00	100.00
Total	**55,000.00**	**55,000.00**

***Semester II – Subject to change in fee Structure.**

MCA FEE DETAILS 2024-2025

Particulars	Semester I	Semester II*
Tuition Fees	27,000.00	27,000.00
Laboratory Fee	5,100.00	5,100.00
Library Fee	2,750.00	2,750.00
Admission Fee	1,000.00	-
Internal Assessment	1,600.00	1,600.00
Seminar, Sessions & Symposium	1,600.00	1,600.00
Guest Lecture	1,500.00	1,500.00
Case Study Materials	250.00	250.00
Identity Card & File	100.00	
Parents Meeting	-	100.00
Alumnae Association (Life Membership)	-	1,000.00
Parent Alert	100.00	100.00
Total	**41,000.00**	**41,000.00**

***Semester II – Subject to change in fee Structure.**

ADMISSION

DEPARTMENT OF M.B.A

- Number of seats sanctioned with the year of approval:

S.No	Course Name	Intake - Approved 2024-2025
1.	M.B.A	90
2.	MASTERS IN COMPUTERAPPLICATIONS	60

- Number of Students admitted under various categories each year in the last year:

Department of MBA				
S.No	2024-2025			
	Sanction Strength	Admitted	Gov. Quota	Mang. Quota
1.	90	88	4	84

Department of MBA									
Year	2024-2025							Count	TOTAL
Quota	SC	ST	MBC	DNC	BC	BCM	OC (OPEN)		
Govt. Quota	-	-	-	-	-	-	4	4	88
Mang. Quota	3	-	7	4	61	7	2	84	

- Number of application received during last year for admission:

Department of MBA					
S.No	2024-2025				
	Sanction Strength	Received Applications	Admitted	Gov. Quota	Mang. Quota
1.	90	214	88	4	84

DEPARTMENT OF MCA

- Number of Students admitted under various categories each year in the last year:

Department of MCA				
S.No	2024-2025			
	Sanction Strength	Admitted	Gov.Quota	Mang.Quota
1.	60	57	8	49

Department of MCA									
Year	2024-2025							Count	TOTAL
Quota	SC	SCA	MBC	DNC	BC	BCM	OC (OPEN)		
Govt. Quota	-	-	2	-	5	1	-	8	57
Mang. Quota	3	-	1	2	38	4	1	49	

- Number of application received during last year for admission

Department of MCA					
S.No	2024-2025				
	Sanction Strength	Received Applications	Admitted	Gov.Quota	Mang.Quota
1.	60	133	57	8	49

ADMISSION PROCEDURE

APPLICATION PROCESS (MBA & MCA)

The Candidates are requested to submit the application through online with the scanned copies of the following certificates (X, XII, UG Mark sheet upto V Semester, Community Certificate) in the College website stated below:

www.fatimacollegemdu.org

MBA

Applicant must qualify with any approved Common Entrance Test like CAT, CMAT, MAT, TANCET etc. and based on the Entrance Test Score, meritorious candidates will be called for Group Discussion and Interview.

Eligibility

A Bachelor's degree in any discipline with an aggregate of minimum 50% marks. Students can apply with V Semester Mark Statement.

MCA

Based on the score secured from any approved Common Entrance Test like MAT, TANCET, CONSORTIUM, meritorious candidates will be called for Group Discussion and Interview. The candidates will be selected based on their overall Performance.

Eligibility

A Bachelor's degree in any discipline with an aggregate of minimum 50% marks.
Students should have studied Mathematics at +2/ Degree Level.

GUIDELINES TO BE NOTED

- The College does not accept any capitation fee or donation. Any case of attempt to secure admission through unauthorized payment will be viewed seriously, when reported with evidence and may result in the cancellation of admission.
- Admission granted will be provisional till all original certificates are scrutinized and accepted.
- The College will forfeit the seat offered to the selected candidate, if she fails to pay the fees within the stipulated time.
- Fees once paid shall not be refunded on or after the commencement of class and on or after the closing date of admission to the concerned programme whichever is earlier.

Admission, if granted, on false information furnished by the candidate will be cancelled at any stage.

The Institution follows the UGC regulations on curbing the menace of ragging in Higher Educational Institutions (2009). Ragging in all its forms is totally banned in Fatima College and its Hostels.

THE FOLLOWING DOCUMENTS IN ORIGINAL MUST BE SUBMITTED AT THE TIME OF ADMISSION

- ✓ Selection Intimation Card
- ✓ Secondary School Leaving Certificate (SSLC) Mark Sheet
- ✓ Higher Secondary Course Certificate (HSC) Mark Sheet
- ✓ Grade/ Mark Sheet for the Degree Course (All Semester / upto Semester V/ VII)
- ✓ Transfer Certificate
- ✓ Conduct Certificate
- ✓ Course Completion Certificate from the College Last Studied
- ✓ Provisional Certificate from University
- ✓ Common Entrance Test Score Sheet
- ✓ Medical Certificate with Blood Group of fitness for study
- ✓ Community Certificate (Photocopy)
- ✓ Baptism Certificate (RC Christian Only)
- ✓ Equivalence Certificate for the Students from Other Universities.

LIST OF APPLICANTS

- List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)

Department Of M.B.A

Admission 2024-2025

S.NO	GD Details	Roll No	STUDENTS NAME	Govt. / Mang. Quota	UG%	Entrance Exam	Entrance %	Religion	Community
1	**GD1**	2024MBA01	AAISHA NIHAD.S	Mang. Quota	66%	TANCET	46.5	Muslim	BCM
2	**GD2**	2024MBA02	AASHIFA RECSHAKANA .S	Mang. Quota	83%	Consortium	50	Muslim	BCM
3	**GD2**	2024MBA03	AFRAH MEHEK.J	Mang. Quota	64%	MAT	86.3	Muslim	BCM
4	**GD3**	2024MBA04	AGUSTA JERLYN .P	Mang. Quota	61%	TANCET	33.0	Christian	BC
5	**GD1**	2024MBA05	AMIRTHA VARSHINI.M	Mang. Quota	73%	TANCET	46.6	Hindu	BC
6	**GD1**	2024MBA06	AMRUTHA.K S	Mang. Quota	46%	Consortium	32	Hindu	BC
7	**GD2**	2024MBA07	ANANCIA JANET.A	Mang. Quota	65%	TANCET	12.9	Christian	BC
8	**GD2**	2024MBA08	APARNA.A	Mang. Quota	60%	TANCET	35.9	Hindu	BC
9	**GD2**	2024MBA09	ASMITHA.K S	Mang. Quota	77%	TANCET	2.4	Hindu	BC
10	**GD2**	2024MBA10	ASWATHA.M	Mang. Quota	63%	TANCET	35.9	Hindu	DNC
11	**GD1**	2024MBA11	AYSARA NAGININ.N	Mang. Quota	81%	TANCET	19.7	Muslim	BCM
12	**GD1**	2024MBA12	BABY SAARONE.X	Mang. Quota	78%	CMAT	45.5	Christian	BC
13	**GD3**	2024MBA13	CAROLINE FABINAA.N	Govt. Quota	78%	Consortium	46	Christian	BC
14	**GD1**	2024MBA14	CHANDRALEKHA.R	Mang. Quota	63%	Consortium	29	Hindu	BC
15	**GD2**	2024MBA15	DEEPIKA.G	Mang. Quota	81%	Consortium	55	Christian	BC
16	**GD1**	2024MBA16	DIVYA.B	Mang. Quota	77%	TANCET	78.8	Hindu	MBC
17	**GD1**	2024MBA17	DIVYA BHARATHI.M	Mang. Quota	72%	TANCET	24.9	Hindu	BC
18	**GD2**	2024MBA18	DURGADEVI.B R	Mang. Quota	83%	Consortium	57	Hindu	BC
19	**GD2**	2024MBA19	ENSHALATTA.A	Mang. Quota	85%	Consortium	50	Christian	BC
20	**GD2**	2024MBA20	EVANGELIN VINCY.V	Mang. Quota	62%	TANCET	22.1	Christian	BC

S.NO	GD Details	Roll No	STUDENTS NAME	Govt. / Mang. Quota	UG%	Entrance Exam	Entrance %	Religion	Community
21	GD1	2024MBA21	FRANCIS TENSY.S	Mang. Quota	74%	TANCET	27.4	Christian	BC
22	GD1	2024MBA22	GAYATHRI.C	Mang. Quota	88%	Consortium	57	Hindu	SC
23	GD1	2024MBA23	GAYATHRI.R	Mang. Quota	76%	TANCET	80.7	Hindu	BC
24	GD2	2024MBA24	HARINI.M	Mang. Quota	79%	Consortium	41	Hindu	BC
25	GD1	2024MBA25	HARINI.V	Mang. Quota	76%	MAT	4.6	Hindu	SC
26	GD2	2024MBA26	HARINILAXMI.M	Mang. Quota	68%	TANCET	56.6	Hindu	BC
27	Tancet	2024MBA27	HARITHA.L	Govt. Quota	84%	TANCET	80.7	Hindu	BC
28	GD2	2024MBA28	HEMA PURANI.M G	Mang. Quota	75%	TANCET	18.8	Hindu	MBC
29	GD2	2024MBA29	IRUTHAYA NANCY.V	Mang. Quota	61%	Consortium	43	Christian	BC
30	GD2	2024MBA30	JEBIRA.M	Mang. Quota	60%	TANCET	48.2	Christian	BC
31	GD1	2024MBA31	JESHICA.SR	Mang. Quota	74%	TANCET	61.4	Christian	BC
32	GD2	2024MBA32	JESLIN.M	Mang. Quota	70%	TANCET	42.3	Christian	BC
33	GD2	2024MBA33	JOSHNA.T	Mang. Quota	81%	TANCET	41.4	Christian	MBC
34	GD4	2024MBA34	JOYCE INFANCIA A	Mang. Quota	74%	TANCET	57.3	Christian	BC
35	Tancet	2024MBA35	KAYALVIZHI D	Govt. Quota	77%	Tancet	63.6	Hindu	DNC
36	GD2	2024MBA36	KEERTHANA.V	Mang. Quota	52%	Consortium	43	Hindu	BC
37	GD1	2024MBA37	KIRUTHIKKAA.M	Mang. Quota	84%	TANCET	90.5	Hindu	BC
38	Tancet	2024MBA38	LAVANYA.A	Govt. Quota	67%	TANCET	48.2	Hindu	MBC
39	GD1	2024MBA39	LAVANYA.K	Mang. Quota	72%	TANCET	87.2	Hindu	BC
40	GD2	2024MBA40	LAVANYA.V	Mang. Quota	77%	TANCET	86.2	Hindu	OC
41	GD2	2024MBA41	MYMOON SAMRIN.S	Mang. Quota	76%	Consortium	51	Muslim	BCM
42	GD1	2024MBA42	NAGA MUHILINI.T	Mang. Quota	74%	TANCET	21.3	Hindu	BC
43	GD2	2024MBA43	NAGADEVI.S	Mang. Quota	78%	TANCET	26.5	Hindu	BC
44	Tancet	2024MBA44	NITHILA DHARSHINI.R	Govt. Quota	71%	TANCET	87.2	Hindu	BC
45	GD2	2024MBA45	NITHILA.M	Mang. Quota	79%	TANCET	30.3	Hindu	BC
46	GD2	2024MBA46	NIVETHITHA.R	Mang. Quota	69%	Consortium	46	Hindu	BC
47	GD1	2024MBA47	PANDI MEENA.M	Mang. Quota	83%	TANCET	29.3	Hindu	BC

S.NO	GD Details	Roll No	STUDENTS NAME	Govt. / Mang. Quota	UG%	Entrance Exam	Entrance %	Religion	Community
48	**GD3**	2024MBA48	PAVITHRA R	Mang. Quota	65%	TANCET	47.4	Hindu	BC
49	**GD2**	2024MBA49	PIYARENA GILBERT.S	Mang. Quota	74%	TANCET	38.4	Christian	BC
50	**GD2**	2024MBA50	PREMALATHA.M	Mang. Quota	65%	Consortium	47	Hindu	BC
51	**GD2**	2024MBA51	PRIYA DHARSHINI.J	Govt. Quota	84%	Consortium	38	Hindu	BC
52	**GD1**	2024MBA52	PUJITHA T K	Mang. Quota	71%	TANCET	62.9	Hindu	BC
53	**GD1**	2024MBA53	RAJESHWARI.R	Mang. Quota	65%	TANCET	48.2	Hindu	BC
54	**GD2**	2024MBA54	REEMA SUFRIN.M	Mang. Quota	78%	Consortium	43	Muslim	BCM
55	**GD2**	2024MBA55	REETHIGHA.R	Mang. Quota	76%	TANCET	76.4	Hindu	BC
56	**GD2**	2024MBA56	REMI JASMINE.S	Govt. Quota	64%	Consortium	46	Christian	MBC
57	**GD2**	2024MBA57	SAKTHI DEVI.R	Mang. Quota	72%	TANCET	25.7	Hindu	MBC
58	**GD1**	2024MBA58	SAMITHA.P	Mang. Quota	78%	TANCET	53.2	Hindu	BC
59	**GD2**	2024MBA59	SANTHIYA ALIAS ASWINI.G	Mang. Quota	86%	TANCET	27.4	Hindu	BC
60	**GD1**	2024MBA60	SANTHIYA.J	Mang. Quota	77%	TANCET	31.2	Hindu	MBC
61	**GD1**	2024MBA61	SANTHIYA.M	Mang. Quota	85%	Consortium	41	Hindu	SC
62	**GD1**	2024MBA62	SANTHIYA.R	Mang. Quota	73%	TANCET	36.6	Hindu	DNC
63	**GD2**	2024MBA63	SARANYA.L	Mang. Quota	77%	Consortium	31	Hindu	BC
64	**GD1**	2024MBA64	SARASWATHI DEVI.S	Mang. Quota	72%	TANCET	15.1	Hindu	MBC
65	**GD1**	2024MBA65	SAUMIYA.P	Mang. Quota	83%	TANCET	48.2	Hindu	BC
66	**GD1**	2024MBA66	SELCIYA MARY.J	Mang. Quota	82%	TANCET	24.9	Christian	BC
67	**GD2**	2024MBA67	SELVA INISHA.T	Mang. Quota	67%	MAT	61.1	Christian	BC
68	**GD2**	2024MBA68	SHALINI D	Mang. Quota	69%	Consortium	30	Hindu	BC
69	**GD1**	2024MBA69	SHARMILAA.P	Govt. Quota	69%	TANCET	59.0	Hindu	BC
70	**GD2**	2024MBA70	SHARMITHA.R	Mang. Quota	69%	TANCET	32.1	Hindu	BC
71	**GD3**	2024MBA71	SHARON JOSELIN.S	Mang. Quota	84%	TANCET	86.9	Christian	BC
72	**GD2**	2024MBA72	SIVARANJANA.V	Mang. Quota	65%	Consortium	41	Hindu	DNC
73	**GD1**	2024MBA73	SONI JAGRUTI VIKAS	Mang. Quota	62%	TANCET	38.4	Hindu	OC
74	**GD2**	2024MBA74	SOWMIYA.M	Mang. Quota	72%	TANCET	49.0	Hindu	BC

S.NO	GD Details	Roll No	STUDENTS NAME	Govt. / Mang. Quota	UG%	Entrance Exam	Entrance %	Religion	Community
75	**GD1**	2024MBA75	SRI DHARSHINI M	Mang. Quota	80%	TANCET	33.0	Hindu	BC
76	**GD1**	2024MBA76	SRIHARINI.T S	Mang. Quota	71%	TANCET	20.5	Hindu	BC
77	**GD1**	2024MBA77	SRIKANITHA.C	Mang. Quota	79%	TANCET	33.0	Hindu	BC
78	**GD2**	2024MBA78	SRIMATHI.S	Mang. Quota	63%	Consortium	36	Hindu	BC
79	**GD2**	2024MBA79	SRINITHI.G P	Mang. Quota	83%	TANCET	42.3	Hindu	BC
80	**GD1**	2024MBA80	SUBA SHREE.R	Mang. Quota	77%	TANCET	3.44	Hindu	BC
81	**GD2**	2024MBA81	SUBBULAKSHMI G	Mang. Quota	76%	TANCET	21.3	Hindu	BC
82	**GD1**	2024MBA82	SUJAA.S	Mang. Quota	62%	TANCET	59.0	Hindu	BC
83	**GD2**	2024MBA83	SWATHI.V	Mang. Quota	72%	TANCET	75.0	Hindu	BC
84	**GD3**	2024MBA84	THIYANA SALHA.H	Mang. Quota	73%	TANCET	90.3	Muslim	BCM
85	**GD1**	2024MBA85	VAISHNAVI DHANAJI SHINDE	Mang. Quota	77%	TANCET	42.3	Hindu	BC
86	**GD2**	2024MBA86	VEERESHWARI.S	Mang. Quota	71%	TANCET	16.4	Hindu	BC
87	**GD1**	2024MBA87	VIVEKA.P	Mang. Quota	78%	TANCET	51.5	Hindu	DNC
88	**GD1**	2024MBA88	YOGADHARSHINI.R	Mang. Quota	73%	TANCET	53.2	Hindu	BC

LIST OF APPLICANTS

- List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)

Department Of MCA

Admission 2024-2025

GD Details	Roll No	NAME	Govt./ Mang. Quota	UG %	Entrance Exam	Score	RELIGION	Community
GD3	2024MCA01	AMIRTHAVARSHINI.K	Mang. Quota	80	TANCET	27.6	Hindu	OC
GD1	2024MCA02	ANGALA ESUWARI.S	Mang. Quota	82	Consortium	39	Hindu	BC
GD4	2024MCA03	ASNA.J	Mang. Quota	86	TANCET	29	Hindu	BC
GD1	2024MCA04	BHUVANESWARI.A	Mang. Quota	72	TANCET	0.15	Hindu	BC
GD3	2024MCA05	BRINDHA.A	Mang. Quota	82	Consortium	47	Hindu	BC
GD2	2024MCA06	DANUJA SREE.S	Mang. Quota	85	TANCET	53	Hindu	BC
GD2	2024MCA07	DARSHANA.S R	Mang. Quota	72	TANCET	86	Hindu	BC
GD2	2024MCA08	ESTHER SILVIYA S	Mang. Quota	75	TANCET	68.8	Christian	BC
GD1	2024MCA09	FARJANA.J	Mang. Quota	80	Consortium	39	Muslim	BCM
GD3	2024MCA10	FRIEDA RENEE CHANDRA.A	Mang. Quota	80	TANCET	68.8	Christian	BC
GD2	2024MCA11	GAYATHRI.B	Mang. Quota	80	Consortium	30	Hindu	BC
GD6	2024MCA12	GAYATHRI S	Mang. Quota	72	TANCET	64	Hindu	BC
GD7	2024MCA13	HARINI R	Mang. Quota	78	TANCET	77	Hindu	BC
GD2	2024MCA14	HARINI. S J	Mang. Quota	64	TANCET	71.6	Hindu	SC
GD2	2024MCA15	INAYATH FARHA.S R	Mang. Quota	64	Consortium	34	Muslim	BCM
GD1	2024MCA16	INDUJA.P T	Mang. Quota	77	Consortium	26	Hindu	SC
GD1	2024MCA17	JERLIN JOSHI.A	Mang. Quota	78	Consortium	34	Christian	BC
GD2	2024MCA18	KARTHIGA.P	Mang. Quota	73	Consortium	38	Hindu	BC
TANCET	2024MCA19	KAVINYASHREE G	Govt. Quota	71	TANCET	66.7	Hindu	BC
GD2	2024MCA20	KAVYA A	Mang. Quota	75	Consortium	33	Hindu	BC
GD3	2024MCA21	KEERTHANA.B	Mang. Quota	78	TANCET	63	Hindu	BC
TANCET	2024MCA22	KIRUBA JOYCE.X	Govt. Quota	68	TANCET	55	Christian	BC
GD2	2024MCA23	KOWSALYA DEVI.B	Mang. Quota	73	TANCET	37.3	Hindu	BC
GD1	2024MCA24	KOWSALYA T K	Mang. Quota	70	TANCET	25	Hindu	BC
TANCET	2024MCA25	LINGA SNEHA M	Govt. Quota	80	TANCET	80	Hindu	BC
GD4	2024MCA26	MAHALAKSHMI.P	Mang. Quota	85	Consortium	33	Hindu	BC
GD3	2024MCA27	MAHESHWARI.S	Mang. Quota	66	Consortium	29	Hindu	BC
GD2	2024MCA28	NAGAKESHIKA.G	Mang. Quota	87	TANCET	59.2	Hindu	BC
GD1	2024MCA29	NAGA PRATHIPA.M	Mang. Quota	82	TANCET	0.17	Hindu	BC
TANCET	2024MCA30	NARMADHADEVI.M	Govt. Quota	81	TANCET	75.2	Hindu	MBC
GD1	2024MCA31	NASREEN NILOPHER.J	Mang. Quota	80	Consortium	34	Muslim	BCM

GD2	2024MCA32	NISHASHREE.D	Mang. Quota	72	TANCET	63	Hindu	BC
GD3	2024MCA33	POORVAJA.S	Mang. Quota	68	TANCET	0.46	Hindu	BC
GD2	2024MCA34	PRAKASHA DEEPIKA I	Mang. Quota	74	Consortium	41	Christian	BC
GD3	2024MCA35	PRINCY.J	Mang. Quota	68	TANCET	7.04	Christian	BC
GD2	2024MCA36	PUNITHA G	Mang. Quota	65	Consortium	33	Christian	BC
GD1	2024MCA37	RATHNA.T	Mang. Quota	79	TANCET	72.1	Hindu	BC
TANCET	2024MCA38	RUBASHREE.S	Govt. Quota	70	TANCET	74	Hindu	MBC
GD2	2024MCA39	SADHANA.B	Mang. Quota	80	TANCET	0.76	Hindu	BC
GD1	2024MCA40	SANTHANAMARI.M	Mang. Quota	75	TANCET	34.5	Hindu	MBC
TANCET	2024MCA41	SHALINI V	Govt. Quota	84	TANCET	73.2	Hindu	BC
GD3	2024MCA42	SHOBIKA.M	Mang. Quota	78	Consortium	39	Hindu	BC
GD2	2024MCA43	SHRINIDHI.V	Mang. Quota	78	Consortium	40	Hindu	DNC
GD4	2024MCA44	SINDHU M	Mang. Quota	72	Consortium	43	Hindu	BC
GD2	2024MCA45	SIVA SAKTHI.H	Mang. Quota	86	Consortium	39	Hindu	BC
TANCET	2024MCA46	SIVASHREE.D	Govt. Quota	88	TANCET	83.8	Hindu	BC
GD3	2024MCA47	SONIYA.I	Mang. Quota	81	Consortium	37	Hindu	BC
GD1	2024MCA48	SUBHA SRI.B	Mang. Quota	80	Consortium	40	Hindu	SC
GD3	2024MCA49	SUPRAJA R	Mang. Quota	84	TANCET	88.3	Hindu	DNC
GD2	2024MCA50	SUVETHA.G	Mang. Quota	83	Consortium	48	Hindu	BC
GD6	2024MCA51	SWATHI ALIAS RAJALAKSHMI G	Mang. Quota	72	TANCET	55	Hindu	BC
GD5	2024MCA52	SWETHA R	Mang. Quota	80	TANCET	63	Hindu	BC
TANCET	2024MCA53	SYEDALI FATHIMA S	Govt. Quota	80	TANCET	69.6	Muslim	BCM
GD3	2024MCA54	UMMU SAFRAN.I	Mang. Quota	71	TANCET	85.9	Muslim	BCM
GD1	2024MCA55	VAISHNAVI.M	Mang. Quota	86	Consortium	35	Hindu	BC
GD2	2024MCA56	VARSHA.M S	Mang. Quota	57	Consortium	32	Hindu	BC
GD2	2024MCA57	VIVEKA.J	Mang. Quota	81	TANCET	61.9	Hindu	BC

RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

- **COMPOSITION OF SELECTION TEAM FOR ADMISSION UNDER MANAGEMENT QUOTA WITH THE BRIEF PROFILE OF MEMBERS:**

1. Dr. Sr. G. Celine Sahaya Mary, M.B A., FDP., Ph.D., D. Litt.
   Principal
   Fatima College (Autonomous),
   Mary Land, Madurai.

♦ LIST OF CANDIDATE WHO HAVE BEEN OFFERED ADMISSION:

MBA

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION – 2024-2025

Score Sheet - TANCET

Date: 16.03.2024 **GD - 1**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-22	KIRUTHIKKAA.M	BBA	85%	Hindu	BC	TANCET	Yet to come	10	9	10	9	38	1
2	2024-MBA-11	AMIRTHA VARSHINI.M	B.COM CA	79%	Hindu	BC	TANCET	Yet to come	10	8	10	9	37	2
3	2024-MBA-60	SUBIKSHA.G	B.COM	80%	Hindu	BC	TANCET	Yet to come	9	9	10	9	37	3
4	2024-MBA-4	SRIKANITHA.C	B.COM CA	81%	Hindu	BC	TANCET	Yet to come	7	9	10	9	35	4
5	2024-MBA-12	SUBA SHREE.R	BBA	80%	Hindu	BC	TANCET	Yet to come	7	9	10	9	35	5
6	2024-MBA-70	FRANCIS TENSY.S	BE COMPUTER SCIENCE	74%	Christian RC	BC	TANCET	Yet to come	9	9	8	9	35	6
7	2024-MBA-72	DIVYA.B	BA Sociology	80%	Hindu	MBC	TANCET	Yet to come	9	8	10	8	35	7
8	2024-MBA-16	PANDI MEENA.M	BBA	84%	Hindu	BC	TANCET	Yet to come	7	9	10	8	34	8
9	2024-MBA-18	PUJITHA.T K	B.COM CA	68%	Hindu	BC	TANCET	Yet to come	8	9	8	9	34	9
10	2024-MBA-20	SAUMIYA.P	BBA	85%	Hindu	BC	TANCET	Yet to come	7	8	10	9	34	10
11	2024-MBA-48	GAYATHRI.R	BCA	75%	Hindu	BC	TANCET	Yet to come	9	7	10	8	34	11
12	2024-MBA-13	LAVANYA.K	BBA	67%	Hindu	BC	TANCET	Yet to come	8	9	8	8	33	12
13	2024-MBA-14	SELCIYA MARY.J	B.COM CA	81%	Christian	BC	TANCET	Yet to come	7	8	10	8	33	13

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
14	2024-MBA-21	SUJAA.S	BBA	79%	Hindu	BC	TANCET	Yet to come	7	8	10	8	33	14
15	2024-MBA-65	JESHICA.SR	B.COM	79%	Christian RC	BC	TANCET	Yet to come	7	8	10	8	33	15
16	2024-MBA-19	SANTHIYA.J	BBA	73%	Hindu	MBC	TANCET	Yet to come	7	8	8	9	32	16
17	2024-MBA-42	YOGADHARSHINI.R	BA ECONOMICS	78%	Hindu	BC	TANCET	Yet to come	7	8	10	7	32	17
18	2024-MBA-67	SANTHIYA.R	BBA	75%	Hindu	DNC	TANCET	Yet to come	7	7	10	8	32	18
19	2024-MBA-68	VIVEKA.P	BA ECONOMICS	74%	Hindu	DNC	TANCET	Yet to come	8	8	8	8	32	19
20	2024-MBA-76	AYSARA NAGININ.N	BBA	86%	Muslim	BC	TANCET	Yet to come	6	8	10	8	32	20
21	2024-MBA-79	SRI DHARSHINI M	BBA	83%	Hindu	BC	TANCET	Yet to come	6	8	10	8	32	21
22	2024-MBA-7	NAGA MUHILINI.T	BBA	73%	Hindu	BC	TANCET	Yet to come	7	8	8	8	31	22
23	2024-MBA-53	SAMITHA.P	BSC PHYSICS	70%	Hindu	BC	TANCET	Yet to come	7	8	8	8	31	23
24	2024-MBA-57	AAISHA NIHAD.S	BBA	65%	Muslim	BC	TANCET	Yet to come	7	8	8	8	31	24
25	2024-MBA-66	JAGRUTI VIKAS.SONI	BBA	63%	Hindu	OC	TANCET	Yet to come	8	9	6	8	31	25
26	2024-MBA-69	HARINI.V	BA ECONOMICS	78%	Hindu	SC	TANCET	Yet to come	7	7	10	7	31	26
27	2024-MBA-71	SARASWATHI DEVI.S	B.COM CA	77%	Hindu	MBC	TANCET	Yet to come	7	6	10	8	31	27
28	2024-MBA-74	SHARMILAA.P	B.COM PA	70%	Hindu	BC	TANCET	Yet to come	8	7	8	8	31	28
29	2024-MBA-73	SRIHARINI.T S	B.COM	62%	Hindu	BC	TANCET	Yet to come	8	8	6	8	30	29
30	2024-MBA-29	DIVYA BHARATHI.M	BBA	65%	Hindu	BC	TANCET	Yet to come	7	6	8	7	28	30
31	2024-MBA-23	SHOBANA SRI.R	BBA	80%	Hindu	BC	TANCET	Yet to come	2	7	10	8	27	31

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
32	2024-MBA-37	RAJESHWARI.R	B.COM	60%	Hindu	BC	TANCET	Yet to come	7	5	6	7	25	32

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION – 2024-2025

Score Sheet - MAT

Date: 16.03.2024 **GD - 1**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-24	DHARSHINI.T R	B.COM PA	77%	Hindu	BC	MAT (Dec)	590	8	8	10	7	9	42
2	2024-MBA-15	VAISHNAVI DHANAJI SHINDE.	BBA	79%	Hindu	BC	MAT (Dec)	348	9	9	10	4	9	41

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION - 2024-2025

Score Sheet - Consortium

Date: 16.03.2024 **GD - 1**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Personal Interview (10 Marks)	Total (40 Marks)
1	2024-MBA-28	ARCHANA.B	B.Tech Civil Engineering	80%	Hindu	SC	Consortium	Nil	9	9	10	9	37
2	2024-MBA-39	BABY SAARONE.X	B.Sc Maths	85%	Christian RC	BC	Consortium	Nil	9	9	10	9	37
3	2024-MBA-8	AGNES MINNU.J	B.COM CA	75%	Christian RC	BC	Consortium	Nil	8	9	10	9	36
4	2024-MBA-54	SUMATHI.M	B.COM CA	77%	Hindu	BC	Consortium	Nil	7	7	10	7	31
5	2024-MBA-46	AMRUTHA.KS	B.Com	55%	Hindu	BC	Consortium	Nil	6	3	6	7	22

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION – 2024-2025

Score Sheet - TANCET

Date: 28.04.2024 **GD - 2**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-130	JOSHNA.T	B Com	84	Christian	MBC	TANCET	41	9	9	10	4.1	10	42.1
2	2024-MBA-118	REETHIGHA.R	Bcom PA	79	Hindu	BC	TANCET	76	6	9	10	7.6	9	41.6
3	2024-MBA-85	SRINITHI.G P	BCOM	84	Hindu	BC	TANCET	42	9	9	10	4.2	8	40.2
4	2024-MBA-100	PIYARENA GILBERT.S	BA ENGLISH	75	Christian	BC	TANCET	30	9	8	10	3	10	40
5	2024-MBA-169	SWATHI.V	BBA	73	Hindu	BC	TANCET	74	8	7	8	7.4	9	39.4
6	2024-MBA-121	EVANGELIN VINCY.V	B.Com CA	67	Christian	BC	TANCET	22	10	9	8	2.2	10	39.2
7	2024-MBA-98	SANTHIYA ALIAS ASWINI.G	B Sc Maths	79	Hindu	BC	TANCET	27	9	7	10	2.7	10	38.7
8	2024-MBA-192	HARINILAXMI.M	BSC BIOTECH	69	Hindu	BC	TANCET	56	8	8	8	5.6	9	38.6
9	2024-MBA-149	AJIBA BEGAM.A	BCOM	78	Muslim	BC	TANCET	44	8	9	10	4.4	7	38.4
10	2024-MBA-306	LAVANYA.V	B.Com	76	Hindu	OC	TANCET	86	5	6	10	8.6	7	36.6
11	2024-MBA-338	ASWATHA.M	BE CS	82	Hindu	DNC	TANCET	35	8	7	10	3.5	7	35.5
12	2024-MBA-109	KANCHANAA.A	B.Com CA	85	Hindu	BC	TANCET	20	10	6	10	2	7	35
13	2024-MBA-146	ASMITHA.K S	B Com	75.6	Hindu	BC	TANCET	25	6	7	10	2.5	9	34.5
14	2024-MBA-111	NITHILA.M	BCOM CA	84	Hindu	BC	TANCET	30	7	8	10	3	6	34
15	2024-MBA-80	NAGADEVI.S	BCOM	76	Hindu	BC	TANCET	26	7	8	10	2.6	6	33.6
16	2024-MBA-120	JESLIN.M	B.Com CA	67	Christian	BC	TANCET	42	4	8	8	4.2	7	31.2
17	2024-MBA-223	SHARMITHA.R	B.Com	70	Hindu	BC	TANCET	32	7	6	8	3.2	7	31.2

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
18	2024-MBA-115	JEBIRA.M	B.SC Maths	60	Christian	BC	TANCET	48	9	8	6	4.8	3	30.8
19	2024-MBA-247	VEERESHWARI.S	BSC CS	72	Hindu	BC	TANCET	8	7	6	8	0.8	9	30.8
20	2024-MBA-145	PRIYADHARSHINI.G	BA ENGLISH	67	Hindu	SC	TANCET	29	4	7	8	2.9	7	28.9
21	2024-MBA-122	SOWMIYA.M	B.Com CA	75	Hindu	BC	TANCET	48	2	6	10	4.8	6	28.8
22	2024-MBA-158	SAKTHI DEVI.R	BBA	71	Hindu	MBC	TANCET	26	5	5	8	2.6	8	28.6
23	2024-MBA-88	APARNA.A	B COM	60	Hindu	BC	TANCET	36	5	6	6	3.6	5	25.6
24	2024-MBA-91	HEMA PURANI.M G	B COM	78	Hindu	MBC	TANCET	19	2	5	10	1.9	6	24.9
25	2024-MBA-97	ANANCIA JANET.A	BBA	65	Christian	BC	TANCET	8	7	5	6	0.8	6	24.8

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION – 2024-2025

Score Sheet - MAT

Date: 28.04.2024 **GD - 2**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-128	AFRAH MEHEK.J	B.Com B&I	60	Muslim	BC	MAT	87	10	7	6	8.7	10	41.7

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (40 Marks)
1	2024-MBA-153	DEEPIKA.G	BCOM	87	Christian	BC	MAT	Yet to Come	6	7	10	-	9	32
2	2024-MBA-87	SELVA INISHA.T	BA ENGLISH	68	Christian	BC	MAT	Yet to Come	4	7	8	-	7	26

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION - 2024-2025

Score Sheet - Consortium

Date: 13.05.2023 **GD - 2**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Personal Interview (10 Marks)	Total (40 Marks)
1	2024-MBA-259	AASHIFA RECSHAKANA .S	B.E ECE	81	Muslim	BC	Consortium	Nil	9	8	10	10	37
2	2024-MBA-142	DURGADEVI.B R	B.SC CHEMISTRY	85	Hindu	BC	Consortium	Nil	7	9	10	10	36
3	2024-MBA-144	AMALA SIMINA.A	B.SC IT	79	Christian	BC	Consortium	Nil	5	9	10	10	34
4	2024-MBA-126	ENSHALATTA.A	B.Com	82.2	Christian	BC	Consortium	Nil	6	8	10	9	33
5	2024-MBA-309	NIVETHITHA.R	B.COM	70.85	Hindu	BC	Consortium	Nil	9	7	8	9	33
6	2024-MBA-27	GAYATHRI.C	B COM	90	Hindu	SC	Consortium	Nil	6	8	10	9	33
7	2024-MBA-135	MYMOON SAMRIN.S	B Com PA	70	Muslim	BC	Consortium	Nil	5	10	8	9	32
8	2024-MBA-277	REMI JASMINE.S	BCom	69	Christian	MBC	Consortium	Nil	8	7	8	9	32
9	2024-MBA-137	SIVARANJANA.V	B COM B&I	65	Hindu	DNC	Consortium	Nil	5	9	8	9	31
10	2024-MBA-26	SANTHIYA.M	B COM	88	Hindu	SC	Consortium	Nil	6	6	10	9	31
11	2024-MBA-86	REHAL TINA.R	B COM HONOURS	62	Muslim	BC	Consortium	Nil	9	8	6	7	30
12	2024-MBA-134	AYESHA FARHANA.T	BA Economics	78	Muslim	BC	Consortium	Nil	5	8	10	6	29
13	2024-MBA-155	PREMALATHA.M	BCOM CA	70	Hindu	BC	Consortium	Nil	7	7	8	7	29
14	2024-MBA-93	KEERTHANA.V	BA ENGLISH	60	Hindu	BC	Consortium	Nil	9	7	6	6	28
15	2024-MBA-95	SARANYA.L	B Com	78	Hindu	BC	Consortium	Nil	4	5	10	9	28
16	2024-MBA-119	REEMA SUFRIN.M	B.Com CA	80	Muslim	BC	Consortium	Nil	5	7	10	6	28
17	2024-MBA-133	SRIMATHI.S	B ComPA	69	Hindu	BC	Consortium	Nil	6	7	8	7	28
18	2024-MBA-131	PRIYA DHARSHINI.J	B Com	83	Hindu	BC	Consortium	Nil	3	7	10	7	27

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Personal Interview (10 Marks)	Total (40 Marks)
19	2024-MBA-35	CHANDRALEKHA.R	B.Com	76	Hindu	BC	Consortium	Nil	5	6	10	6	27
20	2024-MBA-90	PRIYADHARSHINI.B	B Com	57	Hindu	SC	Consortium	Nil	7	7	6	6	26
21	2024-MBA-157	DHIVYADHARSHINI.R	BSC Physics	76	Hindu	BC	Consortium	Nil	4	5	10	7	26
22	2024-MBA-107	HARINI.M	B.Com	80	Hindu	BC	Consortium	Nil	5	5	10	5	25
23	2024-MBA-282	KAVYA.N	BSC BIOTECH	74	Hindu	BC	Consortium	Nil	5	5	8	6	24
24	2024-MBA-106	PRIYADHARSHINI.V	B.Com	76	Hindu	BC	Consortium	Nil	4	4	10	2	20
25	2024-MBA-147	IRUTHAYA NANCY.V	B.Com	61	Christian	BC	Consortium	Nil	4	5	6	3	18
26	2024-MBA-344	SHALINI.D	BBA	64	Hindu	BC	Consortium	Nil	5	4	6	3	18

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION – 2024-2025

Score Sheet - TANCET

Date: 25.05.2024 **GD – 3**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-665	SHARON JOSELIN.S	B.COM	80	Christian	BC	Tancet	86.88	9	9	10	9	8	45
2	2024-MBA-617	AGUSTA JERLYN .P	B.Com	65	Christian	BC	Tancet	33	7	8	8	3	9	35
3	2024-MBA-556	PAVITHRA.R	B Com PA	69	Hindu	BC	Tancet	47	7	7	8	5	7	34
4	2024-MBA-379	THIYANA SALHA.H	B.COM	7.5	Muslim	BC	Tancet	90	5	5	10	9	5	34
5	2024-MBA-794	CHAARUMATHI M.M	B.Com	76	Hindu	BC	Tancet	45	6	5	10	5	8	34
6	2024-MBA-394	ANGALAESWARI.T	B.Com CA	63	Hindu	BC	Tancet	60	5	8	6	6	6	31

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
7	2024-MBA-644	SUHASHINI.S	BBA	70	Hindu	BC	Tancet	36	5	6	8	4	6	29
8	2024-MBA-539	NIKILA SAKTHI SRI.D R	B.Com IT	75	Hindu	BC	Tancet	7	5	6	10	1	3	25
9	2024-MBA-787	YAZHINI.R	B.Com CA	70	Hindu	MBC	Tancet	14.13	6	2	8	1	6	23

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION - 2024-2025

Score Sheet - Consortium

Date: 25.05.2024 **GD – 3**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Personal Interview (10 Marks)	Total (40 Marks)
1	2024-MBA-466	CAROLINE FABINAA.N	BSc Chemistry	80	Christian	BC	Consortium		8	8	10	9	35
2	2024-MBA-674	GOWRE LAXMI.C K	BA Psychology & Sociology	71	Hindu	DNC	Consortium		8	8	8	9	33
3	2024-MBA-475	CHARUMATHY.R	B A ENGLISH	68	Hindu	BC	Consortium		8	8	8	9	33
5	2024-MBA-476	DEVA DHARSINI.S	B A ENGLISH	70	Hindu	BC	Consortium		7	7	8	9	31
2	2024-MBA-381	VAISHNAVI.M	BCOM CA	70	Hindu	DNC	Consortium		8	7	8	8	31
6	2024-MBA-566	KAVISREE.S	BBA	75	Hindu	BC	Consortium		6	7	10	8	31
7	2024-MBA-765	ABIRAMI.S	BA Defence and Strategic Studies	70	Hindu	BC	Consortium		8	7	8	7	30
8	2024-MBA-500	SWETHA.K	BCOM	80	Hindu	BC	Consortium		4	7	10	8	29
9	2024-MBA-685	JOTHIKA.S	B COM CS	65	Hindu	BC	Consortium		7	6	8	7	28
10	2024-MBA-703	JANANI.S	BSC Textile & Fashion Design	91	Hindu	BC	Consortium		7	5	10	6	28
11	2024-MBA-412	ARSHUSAFORA.W	B A Economics	71	Muslim	BC	Consortium		8	7	8	4	27
12	2024-MBA-578	SNEHA.P	BCOM	65	Hindu	BC	Consortium		5	7	8	7	27

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Personal Interview (10 Marks)	Total (40 Marks)
13	2024-MBA-716	KALAIVANI.N	B.Sc Hospital Mgmt	80	Hindu	DNC	Consortium		5	6	10	3	24
14	2024-MBA-457	SOWMIYA.K	B ComCA	72	Hindu	MBC	Consortium		2	7	8	6	23
15	2024-MBA-421	SHERLINE.G	B ComCA	75	Christian	BC	Consortium		2	7	10	3	22
16	2024-MBA-773	JOY SHREE.N	B.Com	63	Hindu	BC	Consortium		6	4	6	6	22

FATIMA COLLEGE (AUTONOMOUS)

MASTERS IN BUSINESS ADMINISTRATION (MBA)

ADMISSION – 2024-2025

Score Sheet - TANCET

Date: 10.07.2024 **GD - 4**

S. No	App. No	Name	UG	UG % (till V sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Entrance Score (10 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-905	JOYCE INFANCIA.A	B COM CA	74	Christian -RC	BC	Tancet	57	7	6	8	5.7	9	36

- **LIST OF CANDIDATE WHO HAVE BEEN OFFERED ADMISSION:**

DEPARTMENT OF M.B.A

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-1

Date: 16.03.2024

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

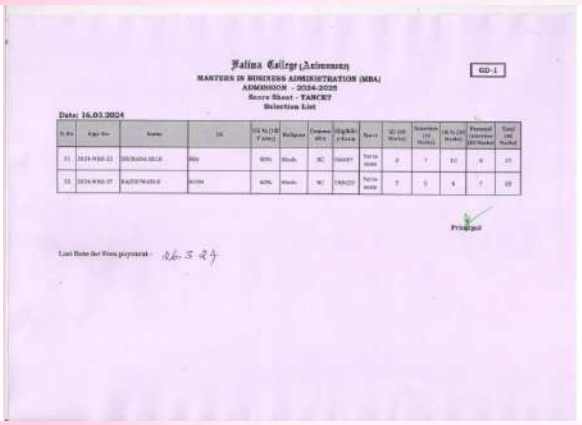
GD-1

Date: 16.03.2024

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-1

Date: 16.03.2024



Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-1

Date: 16.03.2024

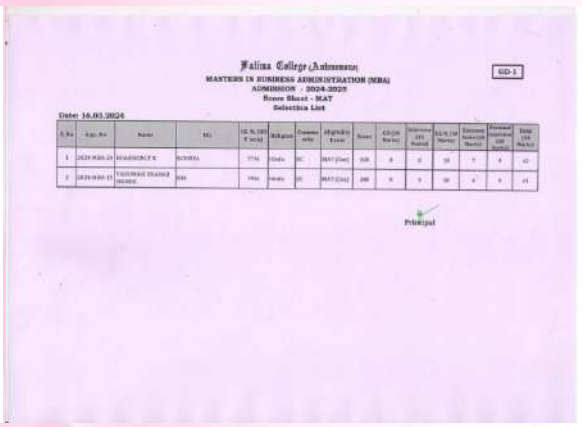
Principal

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - Consortium

GD-1

Date: 16.03.2024

Principal



Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - MAT
Selection List

GD-1

Date: 16.03.2024

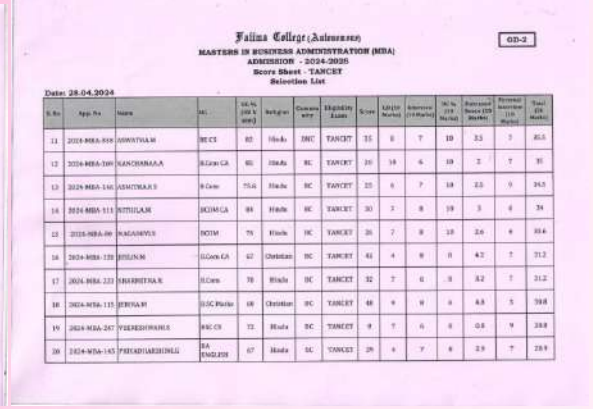
Principal

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-2

Date: 28.04.2024

S. No	App. No	Name	UG	UG % (10th + 12th + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-238	SEEMA.T	B Com	84	Christian	MBC	TANCET	61	9	9	10	43	10	62.5
2	2024-MBA-118	SEETHEERA.B	Econ PA	70	Hindu	BC	TANCET	76	6	9	10	7.6	9	61.6
3	2024-MBA-05	SRINIVAS G.P	BCOM	66	Hindu	BC	TANCET	42	5	9	10	4.2	8	40.2
4	2024-MBA-100	SIVAGAMA GILBERT.S	BA ENGLISH	75	Christian	SC	TANCET	30	9	8	10	3	10	40
5	2024-MBA-169	SWATHI.V	BBA	75	Hindu	BC	TANCET	74	9	7	8	7.4	9	39.4
6	2024-MBA-121	SYAMALEEN VINCY.V	B.Com CA	67	Christian	BC	TANCET	25	10	9	8	2.5	10	39.5
7	2024-MBA-98	SANTHIYA ALIAS AISWERYA.G	B.Sc Maths	79	Hindu	BC	TANCET	27	9	7	10	2.7	10	38.7
8	2024-MBA-192	SUKUMALAIYAM	MSC BIOTECH	69	Hindu	BC	TANCET	34	8	8	8	3.4	9	36.4
9	2024-MBA-149	AUBA SHEANLA	BCOM	78	Muslim	OC	TANCET	44	8	9	10	4.4	7	38.4
10	2024-MBA-308	LAVANYA.V	B.Com	76	Hindu	OC	TANCET	86	5	6	10	8.6	7	36.6



Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-2

Date: 28.04.2024

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
11	2024-MBA-308	ASWATHA.M	BE CS	80	Hindu	BMC	TANCET	35	8	7	10	3.5	7	35.5
12	2024-MBA-109	KANCHANA.A	B.Com CA	80	Hindu	BC	TANCET	20	10	6	10	2	7	35
13	2024-MBA-146	ASMITHA.S	B Com	75.6	Hindu	BC	TANCET	25	6	7	10	2.5	9	34.5
14	2024-MBA-111	SITHULA.M	BCOM CA	69	Hindu	BC	TANCET	30	7	8	10	3	6	34
15	2024-MBA-86	NAGAMANI.S	BCOM	75	Hindu	BC	TANCET	26	7	8	10	2.6	9	33.6
16	2024-MBA-128	JESLIN.M	B.Com CA	67	Christian	BC	TANCET	43	4	8	8	4.3	7	31.3
17	2024-MBA-233	DHARSHINA.R	B.Com	78	Hindu	BC	TANCET	32	7	6	8	3.2	7	31.2
18	2024-MBA-115	JERINA.M	B.SC Maths	68	Christian	BC	TANCET	48	9	8	6	4.8	5	30.8
19	2024-MBA-247	YUKESHWARI.S	MSC CS	72	Hindu	BC	TANCET	9	7	6	8	0.9	9	29.9
20	2024-MBA-145	PRIYADHARSHINI.G	BA ENGLISH	67	Hindu	SC	TANCET	28	6	7	8	2.8	7	28.8

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-2

Date: 28.04.2024

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
21	2024-MBA-122	SOWMIYA.M	B.Com CA	75	Hindu	BC	TANCET	48	2	8	10	4.8	6	30.8
22	2024-MBA-138	SAKTHI DEVI.S	BBA	71	Hindu	MBC	TANCET	26	5	5	8	2.6	9	29.6
23	2024-MBA-88	APARNA.A	B COM	66	Hindu	BC	TANCET	36	5	6	8	3.6	5	25.6
24	2024-MBA-91	NISHA PARVEEN.M.G	B COM	58	Hindu	MBC	TANCET	19	2	3	10	1.9	6	24.9
25	2024-MBA-97	ANANCHA JANET.A	BBA	65	Christian	BC	TANCET	8	7	5	6	0.8	6	24.8

Principal

Last Date for Fees payment - 03/05/2024

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2026
Score Sheet - MAT
Selection List

GD-2

Date: 28.04.2024

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-120	AFNAN MISHKA.J	B.Com BM	60	Muslim	BC	MAT	67	10	7	6	6.7	10	43.7

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-153	DEEPIKA.G	BCOM	67	Christian	BC	MAT	Yet to Come	6	7	10	-	9	32
2	2024-MBA-87	SILVA EVISHA.T	BA ENGLISH	68	Christian	BC	MAT	Yet to Come	4	7	8	-	7	26

Principal

Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - Consortium

GD-2

Date: 28.04.2024

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-259	AADHIFA BEGUARANA.S	B.E ECE	81	Muslim	BC	Consortium	NA	9	8	10	10	10	37
2	2024-MBA-142	DURGADEVI.B R	B.SC CHEMISTRY	85	Hindu	BC	Consortium	NA	7	9	10	10	10	36
3	2024-MBA-144	HAALA SIMMAA	B.SC IT	75	Christian	BC	Consortium	NA	8	9	10	10	10	34
4	2024-MBA-126	ENISHALATTA.A	B.Com	82.3	Christian	BC	Consortium	NA	9	8	10	9	10	33
5	2024-MBA-269	SIVETHITHA.R	B.COM	70.05	Hindu	BC	Consortium	NA	9	7	8	9	10	33
6	2024-MBA-23	GAYATHRI.C	B COM	90	Hindu	SC	Consortium	NA	6	8	10	9	10	33
7	2024-MBA-135	MYMOON SAMRIN.S	B Com PA	70	Muslim	BC	Consortium	NA	5	10	8	9	9	32
8	2024-MBA-277	REMI JASMINE.S	BCom	69	Christian	MBC	Consortium	NA	8	7	8	9	9	32
9	2024-MBA-137	SIVARANJANA.V	B COM (IM)	65	Hindu	DNC	Consortium	NA	5	9	8	9	9	31
10	2024-MBA-26	SAMYUKTA.M	B COM	66	Hindu	SC	Consortium	NA	6	6	10	8	9	31
11	2024-MBA-86	RISWAL TIWAJI	B COM (CHOICE)	62	Muslim	BC	Consortium	NA	9	8	6	7	10	30
12	2024-MBA-134	AYESHA FARHANA.T	BA Economics	70	Muslim	BC	Consortium	NA	5	8	10	8	9	25
13	2024-MBA-153	PREMALATHA.M	BCOM CA	70	Hindu	BC	Consortium	NA	7	7	8	7	10	26
14	2024-MBA-88	KEERTHANA.V	BA ENGLISH	60	Hindu	BC	Consortium	NA	9	7	6	8	10	28
15	2024-MBA-35	SARANYA.L	B Com	70	Hindu	BC	Consortium	NA	8	5	10	8	10	28

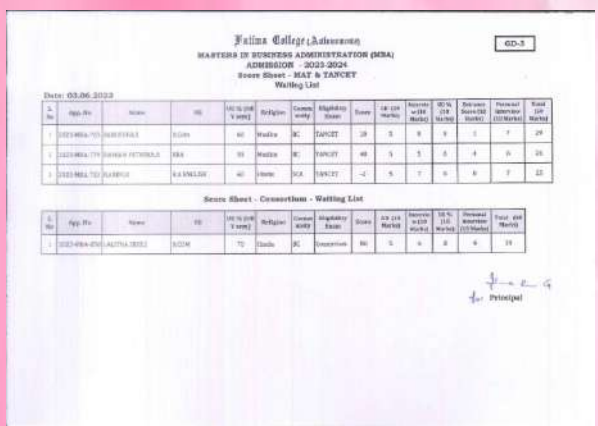
Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - Consortium

GD-2

Date: 28.04.2024

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
16	2024-MBA-119	REEMA SUFFIN.M	B.Com CA	80	Muslim	BC	Consortium	NA	3	7	10	6	10	
17	2024-MBA-133	SIMMATHI.S	B ComPA	69	Hindu	BC	Consortium	NA	6	7	8	7	10	28
18	2024-MBA-133	PRIYA DHARSHINI.J	B Com	83	Hindu	BC	Consortium	NA	3	7	10	7	10	27
19	2024-MBA-35	CHANDRALEKHA.R	B.Com	76	Hindu	BC	Consortium	NA	5	8	10	8	10	27
20	2024-MBA-90	PRIYADHARSHINI.S	B Com	57	Hindu	SC	Consortium	NA	7	7	6	6	10	26
21	2024-MBA-157	SRIVYASHANTHINI.R	BSC Physics	76	Hindu	BC	Consortium	NA	4	5	10	7	10	26
22	2024-MBA-207	HARINI.M	B.Com	80	Hindu	BC	Consortium	NA	5	5	10	5	10	25
23	2024-MBA-262	KAVYA.B	BSC BIOTECH	74	Hindu	BC	Consortium	NA	5	5	8	6	10	24
24	2024-MBA-106	PRIYADHARSHINI.V	B.Com	76	Hindu	BC	Consortium	NA	4	6	10	2	10	20
25	2024-MBA-147	SRUTHAYA MARY.V	B.Com	61	Christian	BC	Consortium	NA	4	5	6	3	10	18
26	2024-MBA-144	DIALING.D	BBA	64	Hindu	BC	Consortium	NA	3	4	6	3	10	18

Principal



Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2023-2024
Score Sheet - MAT & TANCET
Waiting List

GD-3

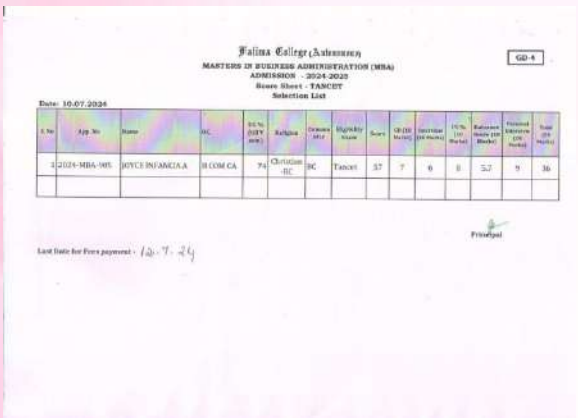
Date: 03.06.2023

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2023-MBA-70		B.Com	60	Muslim	BC	TANCET	28	5	8	8	5	7	29
2	2023-MBA-179		BBA	55	Muslim	BC	TANCET	40	5	5	8	4	6	28
3	2023-MBA-70		BA ENGLISH	60	Hindu	SCA	TANCET	-2	5	7	6	6	7	25

Secure Sheet - Consortium - Waiting List

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2023-MBA-47	LALITHA DEVI.S	BCOM	70	Hindu	BC	Consortium	NA	5	6	8	6	10	

for Principal



Fatima College (Autonomous)
MASTERS IN BUSINESS ADMINISTRATION (MBA)
ADMISSION - 2024-2025
Score Sheet - TANCET
Selection List

GD-4

Date: 10.07.2024

S. No	App. No	Name	UG	UG % (10 + 12 + sem)	Religion	Community	Eligibility Exam	Score	GD (10 Marks)	Interview (10 Marks)	UG % (10 Marks)	Reformed Score (100 Marks)	Personal Interview (10 Marks)	Total (50 Marks)
1	2024-MBA-305	JOYCE INFANCIA.A	B COM CA	74	Christian BC	BC	Tancet	37	7	6	8	5.7	9	36

Principal

Last Date for Fees payment - 12.7.24

- **LIST OF THE CANDIDATE WHO JOINED WITHIN THE DATE, VACANCY POSITION IN EACH CATEGORY BEFORE OPERATION OF WAITING LIST:**

S.NO	DATE OF ADMISSION	Roll No	STUDENTS NAME
1	04-04-2024	2024MBA01	AAISHA NIHAD.S
2	08-05-2024	2024MBA02	AASHIFA RECSHAKANA .S
3	07-05-2024	2024MBA03	AFRAH MEHEK.J
4	29-05-2024	2024MBA04	AGUSTA JERLYN .P
5	09-05-2024	2024MBA05	AMIRTHA VARSHINI.M
6	26-03-2024	2024MBA06	AMRUTHA.K S
7	08-05-2024	2024MBA07	ANANCIA JANET.A
8	10-05-2024	2024MBA08	APARNA.A
9	03-05-2024	2024MBA09	ASMITHA.K S
10	05-05-2024	2024MBA10	ASWATHA.M
11	24-03-2024	2024MBA11	AYSARA NAGININ.N
12	25-03-2024	2024MBA12	BABY SAARONE.X
13	03-06-2024	2024MBA13	CAROLINE FABINAA.N
14	08-05-2024	2024MBA14	CHANDRALEKHA.R
15	08-05-2024	2024MBA15	DEEPIKA.G
16	02-04-2024	2024MBA16	DIVYA.B
17	26-03-2024	2024MBA17	DIVYA BHARATHI.M
18	07-05-2024	2024MBA18	DURGADEVI.B R
19	08-05-2024	2024MBA19	ENSHALATTA.A
20	07-05-2024	2024MBA20	EVANGELIN VINCY.V
21	23-03-2024	2024MBA21	FRANCIS TENSY.S
22	06-05-2024	2024MBA22	GAYATHRI.C
23	02-04-2024	2024MBA23	GAYATHRI.R
24	05-05-2024	2024MBA24	HARINI.M
25	26-03-2024	2024MBA25	HARINI.V
26	03-05-2024	2024MBA26	HARINILAXMI.M
27	17-08-2024	2024MBA27	HARITHA.L
28	08-05-2024	2024MBA28	HEMA PURANI.M G

S.NO	DATE OF ADMISSION	Roll No	STUDENTS NAME
29	03-06-2024	2024MBA29	IRUTHAYA NANCY.V
30	09-05-2024	2024MBA30	JEBIRA.M
31	22-03-2024	2024MBA31	JESHICA.SR
32	08-05-2024	2024MBA32	JESLIN.M
33	07-05-2024	2024MBA33	JOSHNA.T
34	11-07-2024	2024MBA34	JOYCE INFANCIA A
35	23-08-2024	2024MBA35	KAYALVIZHI D
36	06-05-2024	2024MBA36	KEERTHANA.V
37	26-03-2024	2024MBA37	KIRUTHIKKAA.M
38	19-08-2024	2024MBA38	LAVANYA.A
39	24-03-2024	2024MBA39	LAVANYA.K
40	06-05-2024	2024MBA40	LAVANYA.V
41	07-05-2024	2024MBA41	MYMOON SAMRIN.S
42	23-03-2024	2024MBA42	NAGA MUHILINI.T
43	08-05-2024	2024MBA43	NAGADEVI.S
44	21-08-2024	2024MBA44	NITHILA DHARSHINI.R
45	04-05-2024	2024MBA45	NITHILA.M
46	04-05-2024	2024MBA46	NIVETHITHA.R
47	25-03-2024	2024MBA47	PANDI MEENA.M
48	19-08-2024	2024MBA48	PAVITHRA R
49	08-05-2024	2024MBA49	PIYARENA GILBERT.S
50	05-05-2024	2024MBA50	PREMALATHA.M
51	08-05-2024	2024MBA51	PRIYA DHARSHINI.J
52	21-08-2024	2024MBA52	PUJITHA T K
53	26-03-2024	2024MBA53	RAJESHWARI.R
54	08-05-2024	2024MBA54	REEMA SUFRIN.M
55	14-05-2024	2024MBA55	REETHIGHA.R
56	13-05-2024	2024MBA56	REMI JASMINE.S
57	07-05-2024	2024MBA57	SAKTHI DEVI.R
58	26-03-2024	2024MBA58	SAMITHA.P
59	08-05-2024	2024MBA59	SANTHIYA ALIAS ASWINI.G
60	24-03-2024	2024MBA60	SANTHIYA.J

S.NO	DATE OF ADMISSION	Roll No	STUDENTS NAME
61	06-05-2024	2024MBA61	SANTHIYA.M
62	05-04-2024	2024MBA62	SANTHIYA.R
63	06-05-2024	2024MBA63	SARANYA.L
64	25-03-2024	2024MBA64	SARASWATHI DEVI.S
65	21-03-2024	2024MBA65	SAUMIYA.P
66	03-04-2024	2024MBA66	SELCIYA MARY.J
67	06-05-2024	2024MBA67	SELVA INISHA.T
68	19-08-2024	2024MBA68	SHALINI D
69	23-03-2024	2024MBA69	SHARMILAA.P
70	07-05-2024	2024MBA70	SHARMITHA.R
71	30-05-2024	2024MBA71	SHARON JOSELIN.S
72	05-05-2024	2024MBA72	SIVARANJANA.V
73	23-03-2024	2024MBA73	SONI JAGRUTI VIKAS
74	06-05-2024	2024MBA74	SOWMIYA.M
75	04-04-2024	2024MBA75	SRI DHARSHINI M
76	25-03-2024	2024MBA76	SRIHARINI.T S
77	26-03-2024	2024MBA77	SRIKANITHA.C
78	07-05-2024	2024MBA78	SRIMATHI.S
79	06-05-2024	2024MBA79	SRINITHI.G P
80	22-03-2024	2024MBA80	SUBA SHREE.R
81	22.08.2024	2024MBA81	SUBBULAKSHMI G
82	26-03-2024	2024MBA82	SUJAA.S
83	07-05-2024	2024MBA83	SWATHI.V
84	02-06-2024	2024MBA84	THIYANA SALHA.H
85	25-03-2024	2024MBA85	VAISHNAVI DHANAJI SHINDE
86	08-05-2024	2024MBA86	VEERESHWARI.S
87	26-03-2024	2024MBA87	VIVEKA.P
88	26-03-2024	2024MBA88	YOGADHARSHINI.R

♦ LIST OF CANDIDATE WHO HAVE BEEN OFFERED ADMISSION

GD1

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018

MASTERS IN COMPUTER APPLICATIONS (MCA)

ADMISSION – 2024 -2025

SCORE SHEET – TANCET

DATE : 23.03.2024

S. NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	GD (10)	Interview (10)	Personal Interview (10)	Total (40)
1.	2024-MCA-45	SHRI KARTHIGA.S	BC	Hindu	YES	TANCET	BCA	82	8	9	9	9	35
2.	2024-MCA-96	KOWSALYA T K	BC	Hindu	YES	TANCET	B.Sc. (CS)	75	7	8	9	9	33
3.	2024-MCA-38	NARMADHADEVI.M	MBC	Hindu	YES	TANCET	BCA	86	9	7	8	7	31
4.	2024-MCA-61	SANTHANAMARI.M	MBC	Hindu	YES	TANCET	B.Sc. (CS)	74	7	8	8	8	31
5.	2024-MCA-63	NAGA PRATHIPA.M	BC	Hindu	YES	TANCET	BCA	80	8	8	6	8	30
6.	2024-MCA-10	JASPER SNOWLIN.J L	BC	RC - Christian	YES	TANCET	B.Sc Maths	83	8	6	6	9	29
7.	2024-MCA-82	RATHNA.T	BC	Hindu	YES	TANCET	BCA	77	7	7	8	7	29
8.	2024-MCA-2	SHRI ABISHINI.M G	BC	Hindu	YES	TANCET	B.Sc (IT)	78	8	6	6	8	28
9.	2024-MCA-32	SIVASHREE.D	BC	Hindu	YES	TANCET	B.Sc Maths	90	10	7	3	8	28
10.	2024-MCA-83	BHUVANESWARI.A	BC	Hindu	YES	TANCET	BCA	71	7	7	4	8	26

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018

MASTERS IN COMPUTER APPLICATIONS (MCA)

ADMISSION – 2024 -2025

SCORE SHEET – CONSORTIUM

S. NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	GD (10)	Interview (10)	Personal Interview (10)	Total (40)
1.	2024-MCA-3	ANGALA ESUWARI.S	BC	Hindu	YES	Consortium	B.Sc (IT)	82	9	7	7	8	31
2.	2024-MCA-31	NASREEN NILOPHER.J	BC	Muslim	YES	Consortium	B.Sc Maths	80	8	8	5	9	30
3.	2024-MCA-78	NAGARAMYA.M	BC	Hindu	YES	Consortium	B.Sc. (CS)	80	8	8	7	7	30
4.	2024-MCA-79	FARJANA.J	BC	Muslim	YES	Consortium	B COM CA	81	8	8	5	8	29
5.	2024-MCA-77	DURGA.M	BC	Hindu	YES	Consortium	B.Sc. (CS)	80	8	7	6	7	28
6.	2024-MCA-5	SUBHA SRI.B	SC	Hindu	YES	Consortium	B.Sc (IT)	80	8	6	5	7	26
7.	2024-MCA-30	JERLIN JOSHI.A	BC	RC - Christian	YES	Consortium	B.Sc Maths	78	8	6	2	8	24
8.	2024-MCA-64	INDUJA.P T	SC	Hindu	YES	Consortium	BCA	80	8	7	2	7	24
9.	2024-MCA-51	VAISHNAVI.M	BC	Hindu	YES	Consortium	B.COM	77	8	7	1	7	23
10.	2024-MCA-62	VINCY .M	BC	RC - Christian	YES	Consortium	B.Sc Maths	66	6	6	4	7	23

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET –TANCET

GD 2

DATE :28.04.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	Ent Score (10)	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-162	DARSHANA.S R	BC	Hindu	Yes	Tancet	B.Com	86.5 %	8	9	8	9	9	43
2.	2024-MCA-108	VIVEKA.J	BC	Hindu	Yes	Tancet	B.Sc. (CS)	61%	6	6	9	8	9	38
3.	2024-MCA-99	SADHANA.B	BC	Hindu	Yes	Tancet	B Com CA	80%	8	7	7	7	8	37
4.	2024-MCA-132	HARINI.SJ	SC	Hindu	Yes	Tancet	Bcom CA	62%	6	7	8	6	9	36
5.	2024-MCA-6	NAGAKESHIKA.G	BC	Hindu	Yes	Tancet	B.Sc (IT)	82%	8	6	7	7	7	35
6.	2024-MCA-110	SOUNDARIYA.DM	BC	Hindu	Yes	Tancet	B.Sc. (CS)	81%	8	4	7	5	8	32
7.	2024-MCA-138	ANUSHA MAHALAKSHMI.K	DNC	Hindu	Yes	Tancet	BCA	75%	7	7	6	5	7	32
8.	2024-MCA-285	DANUJA SREE.S	BC	Hindu	Yes	Tancet	B.Sc. (CS)	70%	7	5	6	7	7	32
9.	2024-MCA-331	KIRUBA JOYCE.X	BC	Christian	Yes	Tancet	B.ScMaths	71%	7	6	7	5	7	32
10.	2024-MCA-298	NISHASHREE.D	BC	Hindu	Yes	Tancet	B.Sc. (CS)	78%	7	6	6	4	8	31
11.	2024-MCA-150	LALITHA KUMARI.D	SC	Hindu	Yes	Tancet	B.Sc. (CS)	80%	8	6	6	4	6	30
12.	2024-MCA-219	KOWSALYA DEVI.B	BC	Hindu	Yes	Tancet	Bcom CA	75%	7	3	6	6	6	28
13.	2024-MCA-328	YOGITHA.M	BC	Hindu	Yes	Tancet	B.Sc. Physics	78.7 %	7	4	6	3	7	27
14.	2024-MCA-585	ESTHER SYLVIYA.S	BC	Christian	Yes	68	BCA	74%	7	3	6	5	6	27

GD 2

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – CONSORTIUM

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	GD (10)	Interview (10)	Personal Interview (10)	Total (40)
1.	2024-MCA-105	SUVETHA.G	BC	Hindu	Yes	Consortium	B.ScMaths	82%	8	7	7	8	30
2.	2024-MCA-101	HEMAPATHI.C	BC	Hindu	Yes	Consortium	B.ScMaths	91%	9	7	5	8	29
3.	2024-MCA-269	VARSHA.M S	BC	Hindu	Yes	Consortium	B.Sc. (CS)	57%	5	9	6	9	29
4.	2024-MCA-151	KARTHIGA.P	BC	Hindu	Yes	Consortium	B.Sc(IT)	71.3%	7	9	4	8	28
5.	2024-MCA-254	INAYATH FARHA.S R	BC	Muslim	Yes	Consortium	B.Sc Mathematics with CA	64.8%	6	7	6	9	28

6.	2024-MCA-230	PRAKASHA DEEPIKA.I	BC	RC Christian	Yes	Consortium	B.Sc. (CS)	70%	7	6	6	8	27
7.	2024-MCA-152	GAYATHRI.B	BC	Hindu	Yes	Consortium	B.Sc(IT)	79.9%	7	8	5	7	27
8.	2024-MCA-141	SHRINIDHI.V	DNC	Hindu	Yes	Consortium	BCA	77%	7	6	5	8	26
9.	2024-MCA-159	SIVA SAKTHI.H	BC	Hindu	Yes	Consortium	B.Sc(IT)	86.9%	8	7	4	7	26
10.	2024-MCA-336	KAVYA.A	BC	Hindu	Yes	Consortium	B.Sc. Physics	75%	7	6	3	8	24
11.	2024-MCA-266	PUNITHA.G	BC	Christian	Yes	Consortium	B.Sc. (CS)	63%	6	6	4	6	22
12.	2024-MCA-143	VASUKI.A	SC	Hindu	Yes	Consortium	B.ScMaths	59%	5	6	3	7	21
13.	2024-MCA-112	NITHILA.M	BC	Hindu	Yes	Consortium	Bcom CA	84%	8	4	4	4	20

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – TANCET

GD 3

DATE : 25.05.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-393	UMMU SAFRAN.I	BC	Muslim	Yes	Tancet	B.Sc CS	74%	7	8	9	9	9	42
2.	2024-MCA-360	FRIEDA RENEE CHANDRA.A	BC	Christian	Yes	Tancet	B.Sc CS	80%	8	6	8	9	9	40
3.	2024-MCA-670	AMIRTHAVARSHINI.K	OC	Hindu	Yes	Tancet	B.Com (CA)	80%	8	4	9	9	9	39
4.	2024-MCA-688	KEERTHANA.B	BC	Hindu	Yes	Tancet	B.Sc CS	77%	7	6	8	9	9	39
5.	2024-MCA-449	POORVAJA.S	BC	Hindu	Yes	Tancet	B.Sc IT	68%	6	5	9	9	9	38
6.	2024-MCA-562	SRI VARSHINI.T N	BC	Hindu	Yes	Tancet	B.Sc IT	84%	8	9	6	7	7	37
7.	2024-MCA-526	SUPRAJA.R	DNC	Hindu	Yes	Tancet	B.Sc IT	81%	8	8	6	7	8	37
8.	2024-MCA-488	SATHIYA JOTHI.S	BC	Hindu	Yes	Tancet	B.Sc IT	64%	6	7	6	7	8	34
9.	2024-MCA-565	NAGAMMAI.S	OC	Hindu	Yes	Tancet	B.Sc IT	74%	7	6	6	7	7	33
10.	2024-MCA-419	BHARATHI.R T	BC	Hindu	Yes	Tancet	BCA	70%	7	9	3	6	7	32
11.	2024-MCA-515	SWETHA.K	ST	Hindu	Yes	Tancet	BCA	81%	8	7	6	6	5	32
12.	2024-MCA-486	CHRISTINA NIVETHA.J J	BC	Christian	Yes	Tancet	B.Sc IT	73%	7	5	5	7	7	31
13.	2024-MCA-678	NERSIYA VENSI.J	BC	RC - Christian	Yes	Tancet	B.Sc. Chem	83%	8	5	8	5	5	31
14.	2024-MCA-704	PRINCY.J	BC	Christian	Yes	Tancet	B.Sc CS	68%	6	1	8	8	8	31
15.	2024-MCA-496	JENITHAPRIYADHARSHINI.K	BC	Hindu	Yes	Tancet	B.Sc IT	78%	7	3	8	5	4	27
16.	2024-MCA-580	VAIDEGI.A	FC	Hindu	Yes	Tancet	B.Sc IT	74%	7	2	6	6	6	27
17.	2024-MCA-467	RAMYA.S	DNC	Hindu	Yes	Tancet	B.Sc IT	66%	6	1	6	7	6	26
18.	2024-MCA-156	MADHUMITHAA. S S	MBC	Hindu	Yes	Tancet	BCA	75%	7	9	4	2	3	25
19.	2024-MCA-731	HARISHMA.K	BC	Hindu	Yes	Tancet	B.Sc IT	83%	8	1	4	5	5	23

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – CONSORTIUM

GD 3

DATE : 25.05.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	GD (10)	Interview (10)	Personal Interview (10)	Total (40)
1.	2024-MCA-358	BRINDHA.A	BC	Hindu	Yes	Consortium	B.Sc CS	82%	8	9	8	9	34
2.	2024-MCA-494	MERCY MARGARET.S	BC	Christian	Yes	Consortium	B.Sc CS	83%	8	8	9	9	34
3.	2024-MCA-511	SONIYA.I	BC	Hindu	Yes	Consortium	B.Sc Maths	81%	8	9	8	8	33
4.	2024-MCA-621	MAHESHWARI .S	BC	Hindu	Yes	Consortium	B.Sc CS	71%	7	8	9	8	32
5.	2024-MCA-692	SHOBIKA.M	BC	Hindu	Yes	Consortium	B.Sc CS	79%	7	8	8	9	32
6.	2024-MCA-727	ABINAYA.K	SC	Hindu	Yes	Consortium	B.Sc IT	80%	8	5	9	8	30
7.	2024-MCA-640	PREETHI.V	BC	Hindu	Yes	Consortium	B.Sc IT	79%	7	6	7	8	28
8.	2024-MCA-717	AMIRTHA VARSHINI.R	MBC	Hindu	Yes	Consortium	B.Sc IT	69%	6	6	7	8	27
9.	2024-MCA-401	PRIYAMATHI.S	BC	Hindu	Yes	Consortium	B.Sc IT	79%	7	6	7	7	27
10.	2024-MCA-780	ACHSAL KARUNYA.J	BC	Christian	Yes	Consortium	B.Sc CS	60%	6	7	6	7	26
11.	2024-MCA-756	DURGADEVI.M	BC	Hindu	Yes	Consortium	B.Com (General)	82%	8	4	7	6	25
12.	2024-MCA-698	SHARUMATHY.R	SC	Hindu	Yes	Consortium	B.Sc IT	68%	6	7	6	6	25
13.	2024-MCA-510	VENCY.B	BC	Christian	Yes	Consortium	B.Sc Maths	75%	7	6	6	6	25
14.	2024-MCA-775	MALLIKA.M	BC	Hindu	Yes	Consortium	BCA	83%	8	3	7	6	24

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – TANCET

GD 4

DATE : 26.07.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test (Score)	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-41	ASNA.J	BC	Hindu	Yes	Tancet	BCA	85	8	2	6	7	8	31
2.	2024-MCA-997	JAINA.H	OC	Jainism	Yes	Tancet	B.Sc (IT)	75	7	3	6	7	7	30

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – CONSORTIUM

GD 4

DATE : 26.07.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test	UG	UG % (Till 5th Sem)	UG Marks (10)	GD (10)	Interview (10)	Personal Interview (10)	Total (40)
1.	2024-MCA-997	MAHALAKSHMI.P	BC	Hindu	Yes	Consortium	B.Com (CS)	79.8	7	7	5	8	27
2.	2024-MCA-942	SINDHU .M	BC	Hindu	Yes	Consortium	BCA	71.63	7	7	6	7	27
3.	2024-MCA-841	MOHANA BHARATHI.S	BC	Hindu	Yes	Consortium	B.Sc Maths	64	6	6	4	5	21

4.	2024-MCA-962	KAVIYA.S	MBC	Hindu	Yes	Consortium	B.Com (IT)	65.32	6	5	4	5	20

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – TANCET

GD 5

DATE : 12.08.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test (Score)	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-1012	SWETHA .R	BC	Hindu	Yes	63.07	B.Sc CS	72%	7	6	7	8	7	35

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – TANCET

GD 6

DATE : 21.08.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test (Score)	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-1017	GAYATHRI . S	BC	Hindu	Yes	63	BCA	85%	8	6	8	8	7	37
2.	2024-MCA-629	SWATHI @ RAJALAKSHMI . G	BC	Hindu	Yes	56	B.Sc. IT	72	7	5	8	8	8	36

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION – 2024 -2025
SCORE SHEET – TANCET

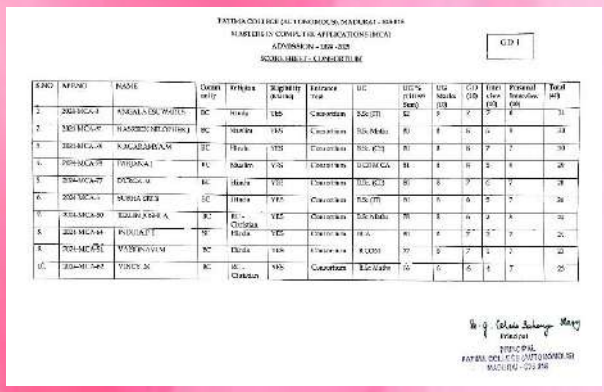
GD 7

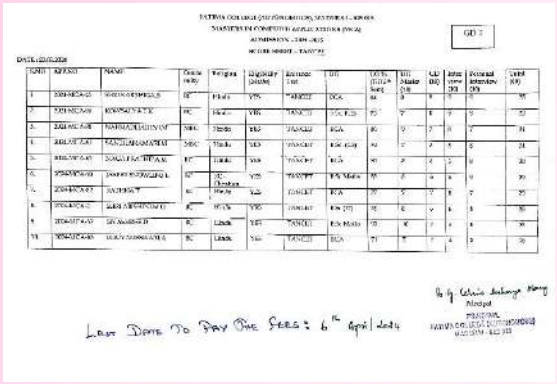
DATE : 22.08.2024

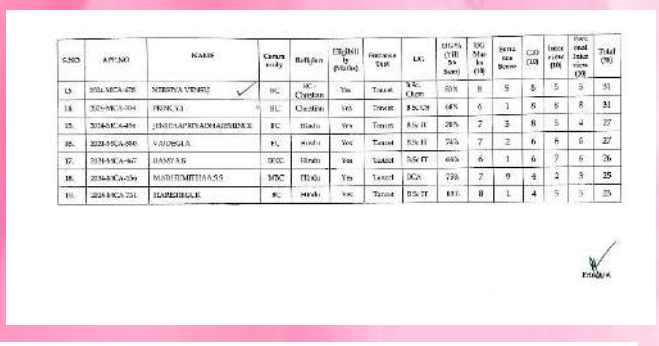
S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test (Score)	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-1018	HARINI R	BC	Hindu	Yes	77	B.Sc IT	72%	7	7	8	7	8	37

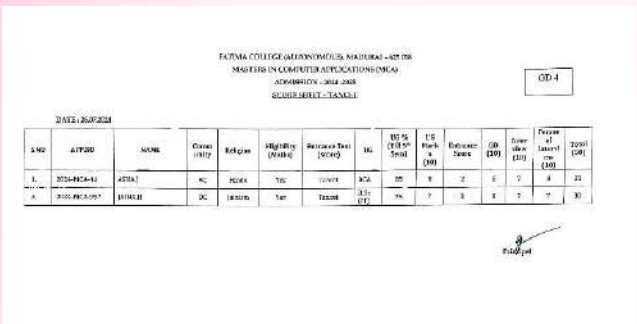
List of candidate who have been offered admission

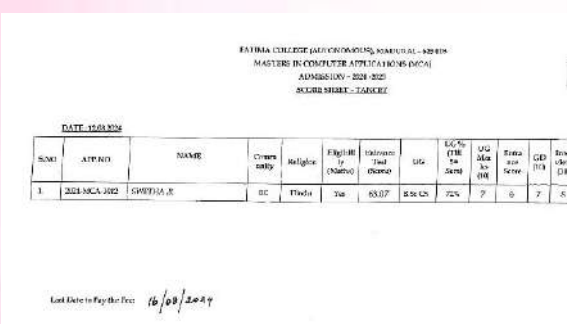
Department of MCA

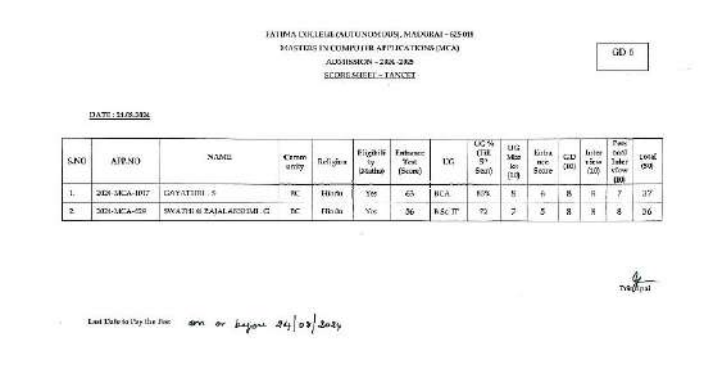












FATIMA COLLEGE (AUTONOMOUS), MADURAI - 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION - 2024-2025
SCORE SHEET - TANCET

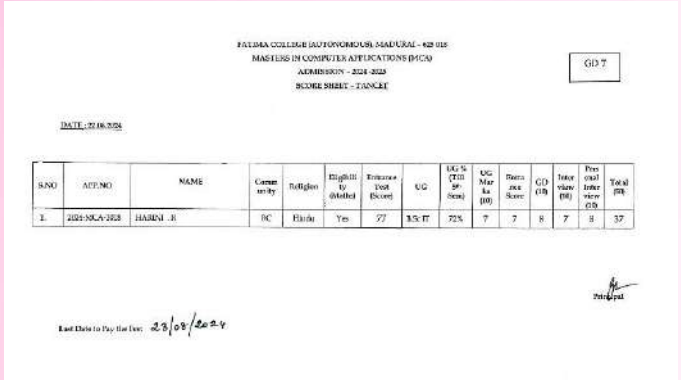
GD 6

DATE : 24.08.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test (Score)	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-1017	GAYATHRI .S	BC	Hindu	Yes	63	BCA	85%	8	6	8	8	7	37
2.	2024-MCA-528	SWATHI & RAJALAKSHMI .G	BC	Hindu	Yes	36	B.Sc IT	72	7	5	8	8	8	36

Principal

Last Date to Pay the Fee: am or before 24/08/2024



FATIMA COLLEGE (AUTONOMOUS), MADURAI - 625 018
MASTERS IN COMPUTER APPLICATIONS (MCA)
ADMISSION - 2024-2025
SCORE SHEET - TANCET

GD 7

DATE : 22.08.2024

S.NO	APP.NO	NAME	Community	Religion	Eligibility (Maths)	Entrance Test (Score)	UG	UG % (Till 5th Sem)	UG Marks (10)	Entrance Score	GD (10)	Interview (10)	Personal Interview (10)	Total (50)
1.	2024-MCA-1018	HARINI .R	BC	Hindu	Yes	77	B.Sc IT	72%	7	7	8	7	8	37

Principal

Last Date to Pay the Fee: 23/08/2024

- **List of the candidate who joined within the date, vacancy position in each category before operation of waiting list:**

S.No	DATE OF ADMISSION	Roll No	NAME
1	03-06-2024	2024MCA01	AMIRTHAVARSHINI.K
2	04-04-2024	2024MCA02	ANGALA ESUWARI.S
3	07-08-2024	2024MCA03	ASNA.J
4	13-05-2024	2024MCA04	BHUVANESWARI.A
5	06-06-2024	2024MCA05	BRINDHA.A
6	06-05-2024	2024MCA06	DANUJA SREE.S
7	05-05-2024	2024MCA07	DARSHANA.S R
8	05-05-2024	2024MCA08	ESTHER SILVIYA S
9	13-05-2024	2024MCA09	FARJANA.J
10	06-06-2024	2024MCA10	FRIEDA RENEE CHANDRA.A
11	07-05-2024	2024MCA11	GAYATHRI.B
12	22-08-2024	2024MCA12	GAYATHRI S
13	24-08-2024	2024MCA13	HARINI R
14	07-05-2024	2024MCA14	HARINI. S J
15	06-05-2024	2024MCA15	INAYATH FARHA.S R
16	10-04-2024	2024MCA16	INDUJA.P T
17	13-05-2024	2024MCA17	JERLIN JOSHI.A
18	06-05-2024	2024MCA18	KARTHIGA.P
19	16-08-2024	2024MCA19	KAVINYASHREE G
20	08-05-2024	2024MCA20	KAVYA A
21	04-06-2024	2024MCA21	KEERTHANA.B
22	02-05-2024	2024MCA22	KIRUBA JOYCE.X
23	08-05-2024	2024MCA23	KOWSALYA DEVI.B
24	07-08-2024	2024MCA24	KOWSALYA T K

S.No	DATE OF ADMISSION	Roll No	NAME
25	28-08-2024	2024MCA25	LINGA SNEHA M
26	07-08-2024	2024MCA26	MAHALAKSHMI.P
27	05-06-2024	2024MCA27	MAHESHWARI.S
28	08-05-2024	2024MCA28	NAGAKESHIKA.G
29	04-04-2024	2024MCA29	NAGA PRATHIPA.M
30	08-04-2024	2024MCA30	NARMADHADEVI.M
31	27-03-2024	2024MCA31	NASREEN NILOPHER.J
32	06-05-2024	2024MCA32	NISHASHREE.D
33	06-06-2024	2024MCA33	POORVAJA.S
34	16-05-2024	2024MCA34	PRAKASHA DEEPIKA I
35	07-06-2024	2024MCA35	PRINCY.J
36	07-05-2024	2024MCA36	PUNITHA G
37	30-03-2024	2024MCA37	RATHNA.T
38	16-08-2024	2024MCA38	RUBASHREE.S
39	16-05-2024	2024MCA39	SADHANA.B
40	06-04-2024	2024MCA40	SANTHANAMARI.M
41	14-08-2024	2024MCA41	SHALINI V
42	05-06-2024	2024MCA42	SHOBIKA.M
43	06-05-2024	2024MCA43	SHRINIDHI.V
44	08-08-2024	2024MCA44	SINDHU M
45	04-05-2024	2024MCA45	SIVA SAKTHI.H
46	02-05-2024	2024MCA46	SIVASHREE.D
47	07-06-2024	2024MCA47	SONIYA.I
48	04-04-2024	2024MCA48	SUBHA SRI.B
49	09-08-2024	2024MCA49	SUPRAJA R
50	13-05-2024	2024MCA50	SUVETHA.G
51	23-08-2024	2024MCA51	SWATHI ALIAS RAJALAKSHMI G
52	17-08-2024	2024MCA52	SWETHA R
53	14-08-2024	2024MCA53	SYEDALI FATHIMA S
54	05-06-2024	2024MCA54	UMMU SAFRAN.I
55	04-04-2024	2024MCA55	VAISHNAVI.M
56	08-05-2024	2024MCA56	VARSHA.M S
57	08-05-2024	2024MCA57	VIVEKA.J

INFORMATION OF INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

Institution Level Faculty Member

Sr. No.	Particulars	Actual No.	Required No. as per CI	Deficiency
1.	Total Faculty(UG+PG+Diploma)	15	15	No

Administrative Area

Sr. No.	Particulars	Actual Room Area (Sq.m.)	Expected Room Area (Sq.m.)	Deficiency
1.	Board Room	40	20	No
2.	Department Offices/Cabin for Head of Dept	40	40	No
3.	Central Store	32	30	No
4.	Exam Control Office	60	30	No
5.	Housekeeping	18	10	No
6.	Maintenance	30	10	No
7.	Office All Inclusive	312	300	No
8.	Placement Office	50	30	No
9.	Principal Directors Office	62	30	No
10.	Security	10	10	No
TOTAL		654.00	510.00	

Amenities Area

Sr. No.	Particulars	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
1.	Cafeteria	396	150	No
2.	First aid cum Sick Room	25	10	No
3.	Girls Common Room	100	100	No
4.	Stationery Store	10	10	No
TOTAL		531.00	270.00	

Computational Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Printers	21	4	No
2.	A1 size Color Printers	0	0	No
3.	Legal Application S/W	30	30	No
4.	Legal System S/W	5	4	No
5.	PCs to Student ratio	145	60	No

Library Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Volumes	43526	11500	No
2.	Titles	31262	1200	No
3.	Journals	32	24	No
4.	Library Management Software	1	1	No
5.	Reading Room Seating Capacity	95	75	No
6.	MultiMediaPC	50	10	No

Instructional Area-Common Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Computer Center	153	150	No
2.	Library & Reading Room	148	100	No
TOTAL		301.00	250.00	

Existing Programme / MANAGEMENT

Sr. No.	Particulars	Level	Actual Room Area (Sqm)	Expected Room Area (Sqm)	Deficiency
1.	Classroom	PG	485	264	No
2.	Tutorial Room	PG	144	33	No
3.	Seminar Hall	UG/PG	233	132	No
TOTAL			862.00	429.00	

Existing Programme / MCA

Sr. No.	Particulars	Level	Actual Room Area (Sqm)	Expected Room Area (Sqm)	Deficiency
1.	Classroom	PG	232	132	No
2.	Tutorial Room	PG	116	33	No
3.	Seminar Hall	UG/PG	149	132	No
4.	Computer Laboratory	UG/PG	426	66	No
TOTAL			923.00	363.00	

Other Facilities

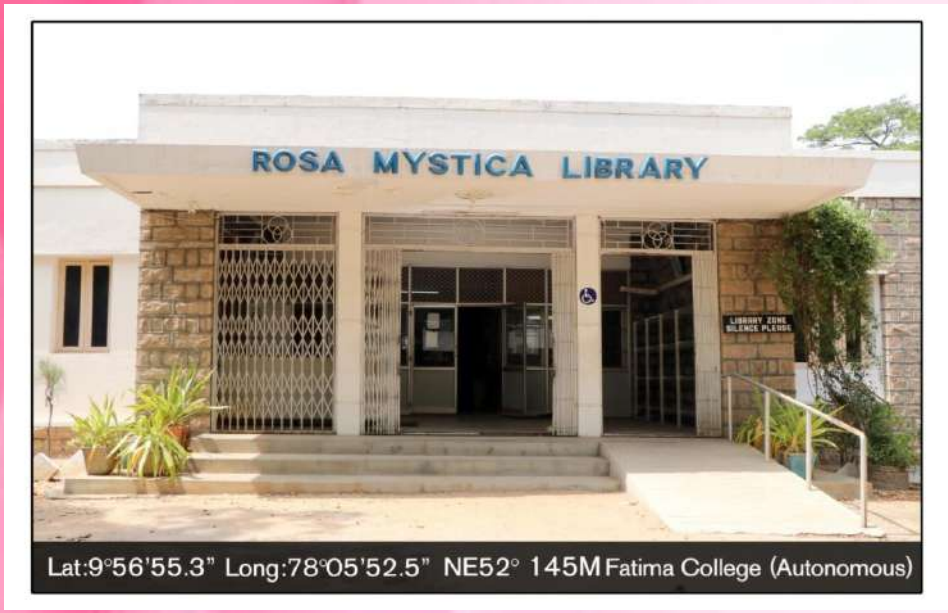
Sr. No.	Particulars	Availability	Deficiency
1.	All Weather Approach(Motorised Road)	Yes	No
2.	Safety Provisions	Yes	No
3.	Sewage Disposal System	Yes	No
4.	Telephone	Yes	No
5.	Vehicle Parking	Yes	No
6.	First Aid	Yes	No
7.	Appointment of Student Counselor	Yes	No
8.	Establishment of Anti-Ragging Committee	Yes	No
9.	Establishment of Committee for SC/ST	Yes	No
Sr. No.	Particulars	Availability	Deficiency
10.	Establishment: Internal Committee(IC)	Yes	No
11.	Establishment of Grievance Redressal	Yes	No

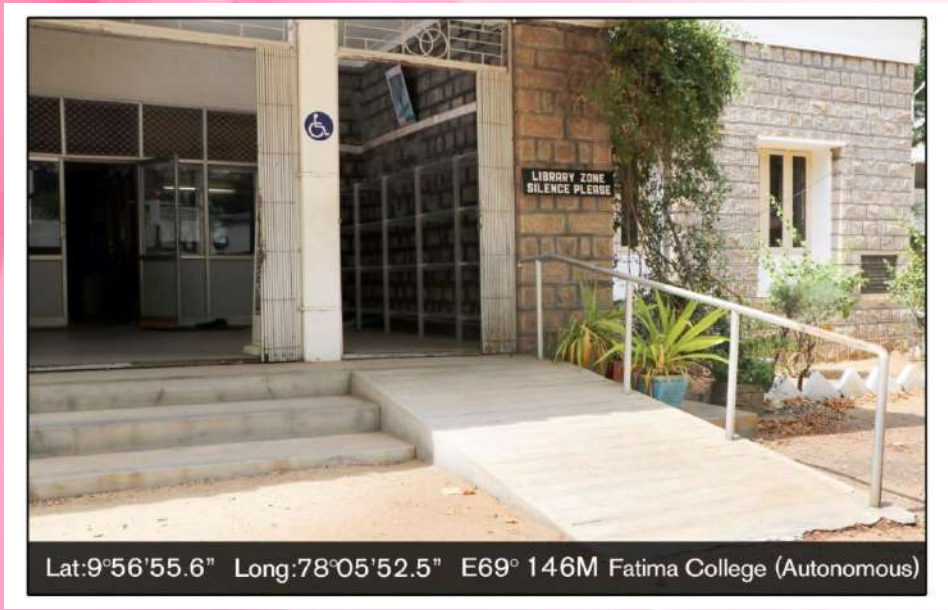
	Committee/OMBUDSMAN		
12.	Barrier free Enviroment	Yes	No
13.	AICTE Approval Letters- EoA/LoA	Yes	No
14.	Institution-Industry Cell	Yes	No
15.	Digital Payment-Financial Transactions	Yes	No
16.	Food Safety and Standards	Yes	No
17.	Insurance for Students	Yes	No
18.	Online Grievance Rederssal Mechanism	Yes	No
19.	Internal Quality Assurance Cell	Yes	No
20.	Fire and Safety Certificate	Yes	No
21.	Atleast 5 MoUs with industries	Yes	No
22.	Display of info submitted to AICTE on website	Yes	No
23.	General Insurance	Yes	No
24.	Backup Electric Supply	Yes	No
25.	Group accident policy for employees	Yes	No
26.	Implementation of student Induction Programme	Yes	No
27.	Waste Management and a sustainable Green Campus	Yes	No
28.	Display of Course(s) and Approved In entrance	Yes	No
29.	Establishment of 24x7 Women helpline number	Yes	No
30.	Establishment of platform for seeking help	Yes	No
31.	Implementation of PARAKH	Yes	No
32.	Institution Web Site-Mandatory Disclosure	Yes	No
33.	Internship	Yes	No
34.	Medical & Counseling	Yes	No
35.	Notice Boards	Yes	No
36.	Potable Water Supply	Yes	No

BARRIER FREE ENVIRONMENT

1. RAMPS AND LIFTS FOR EASY ACCESS TO CLASSROOMS

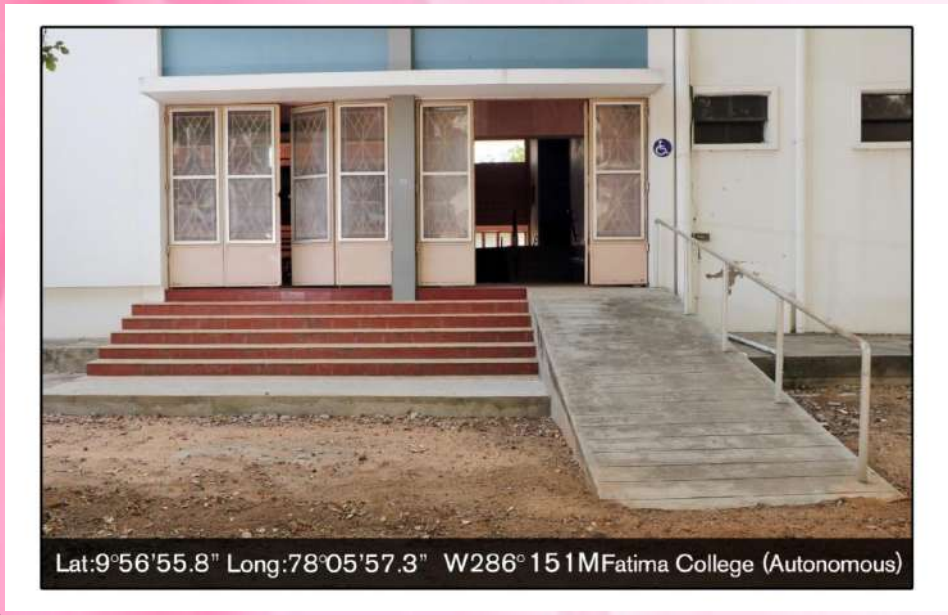
Ramp at Rosa Mystica Library





RAMP INSIDE ROSA MYSTICA LIBRARY

RAMP AT JUBILEE HALL (AUDITORIUM)



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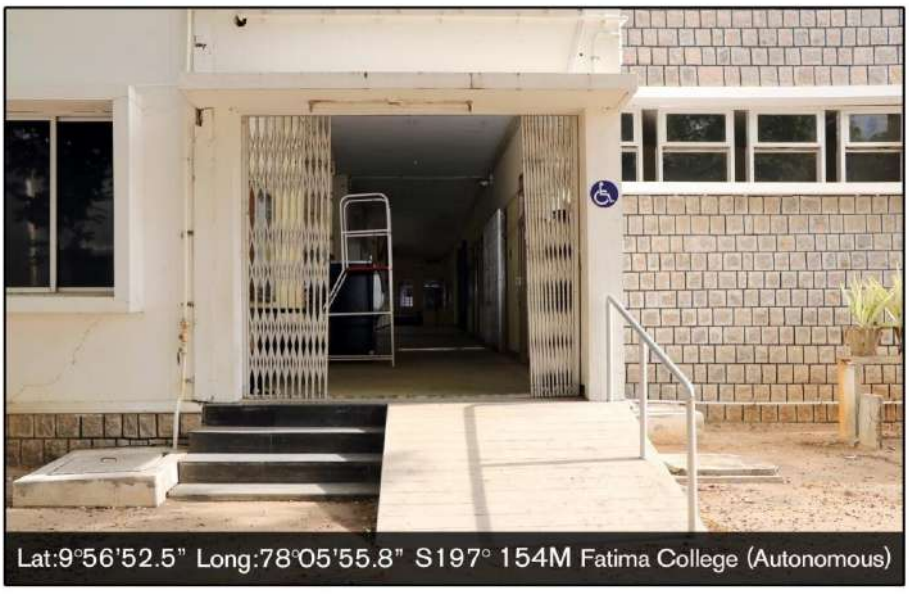
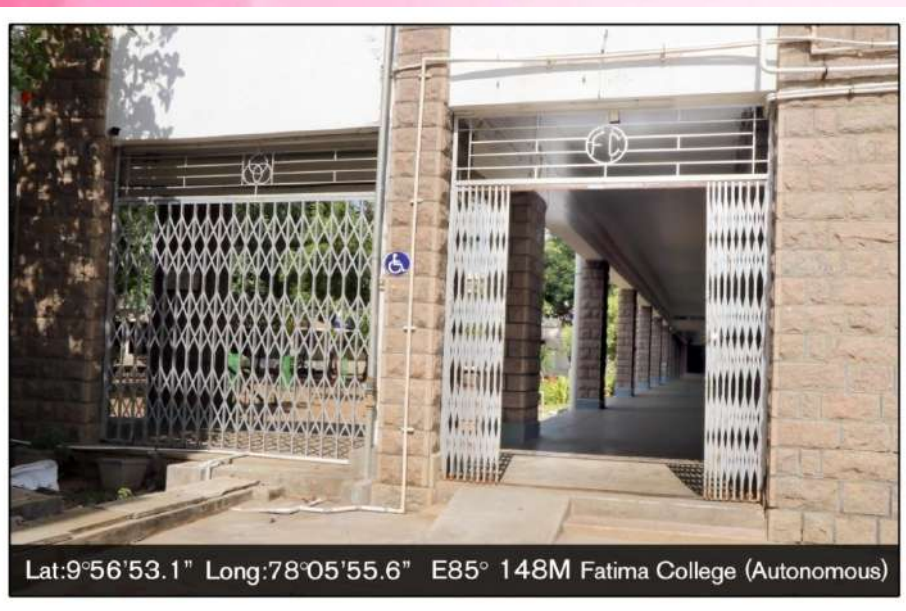
RAMP AT SANTA MARIA BLOCK

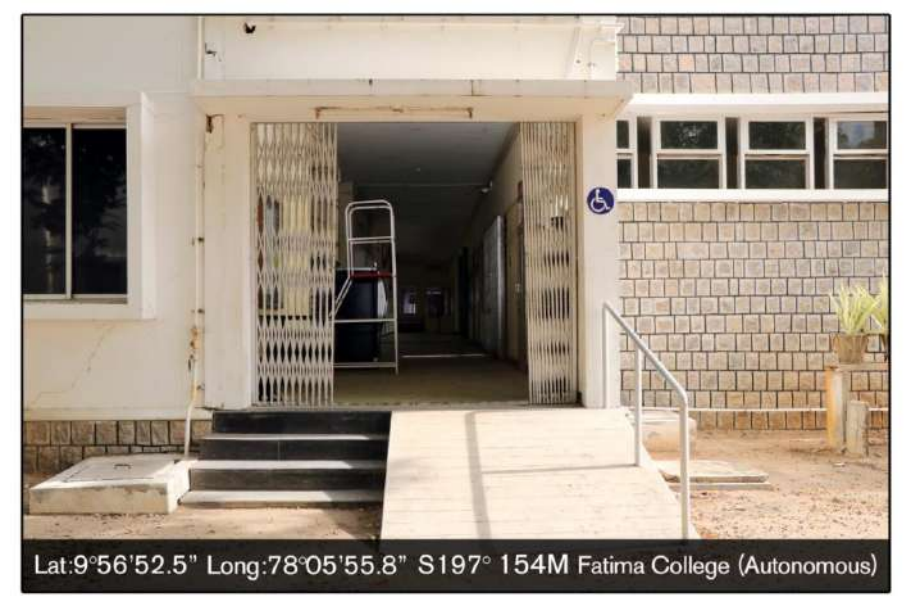
RAMP AT SAN JOSE BLOCK



RAMP AT SIDE GATE OF ADMINISTRATIVE BLOCK



SIGN POST FOR DISABLED FRIENDLY RAMP AT SAN JOSE BLOCK

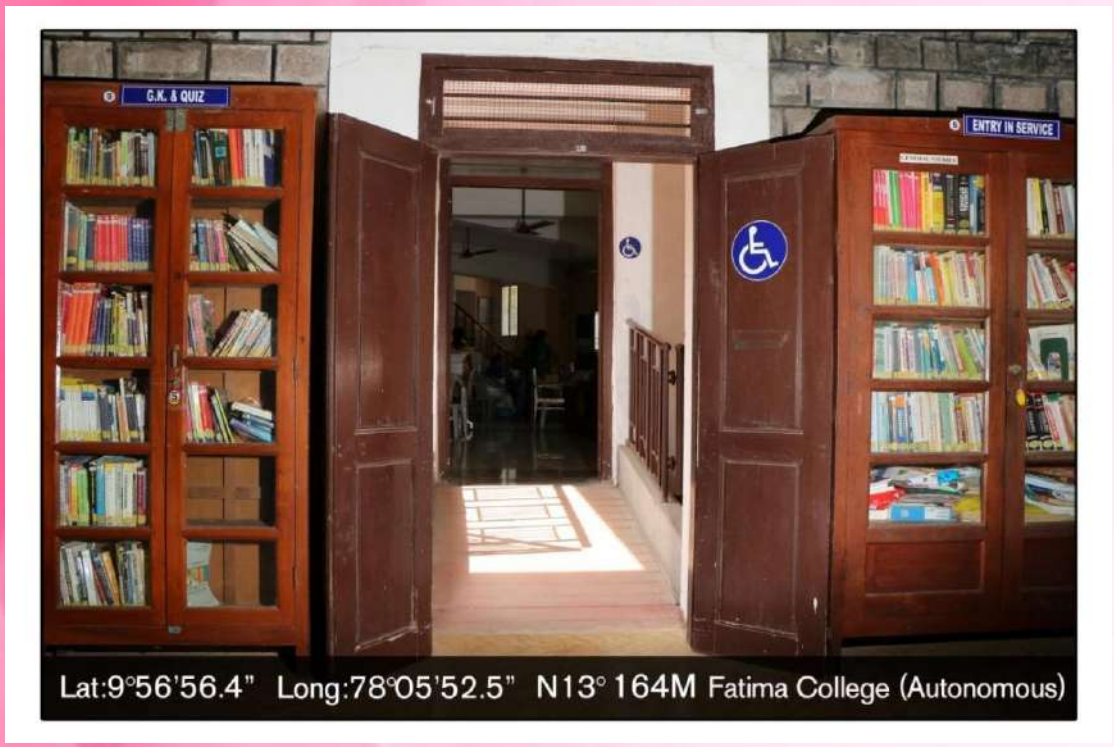


LIFT IN ADMINISTRATIVE BLOCK

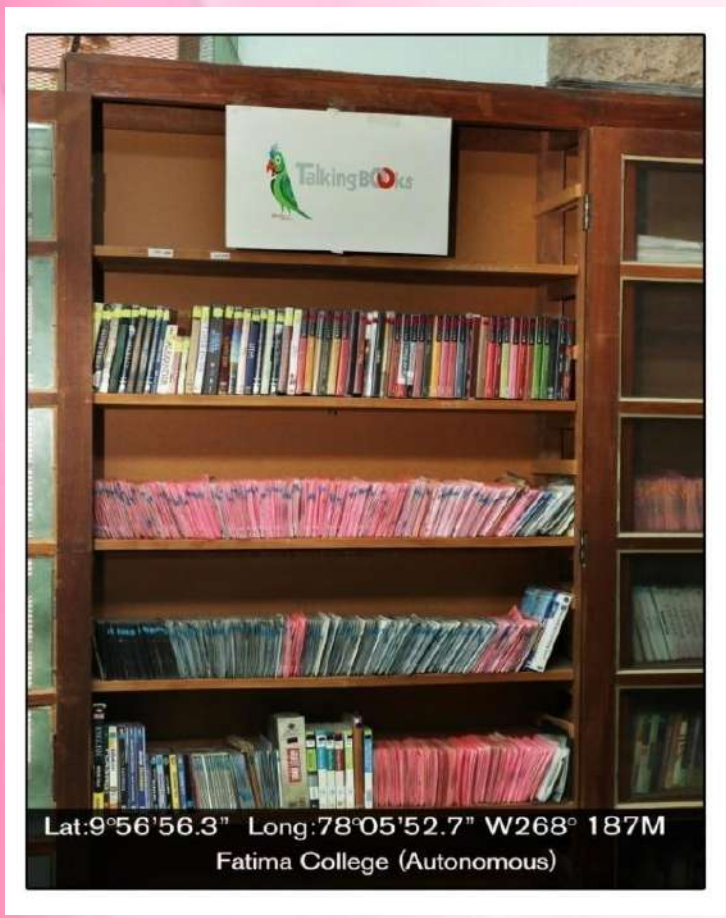
2. DISABLED FRIENDLY WASHROOMS

READING CORNER FOR VISUALLY IMPAIRED-BRAILLE BOOKS

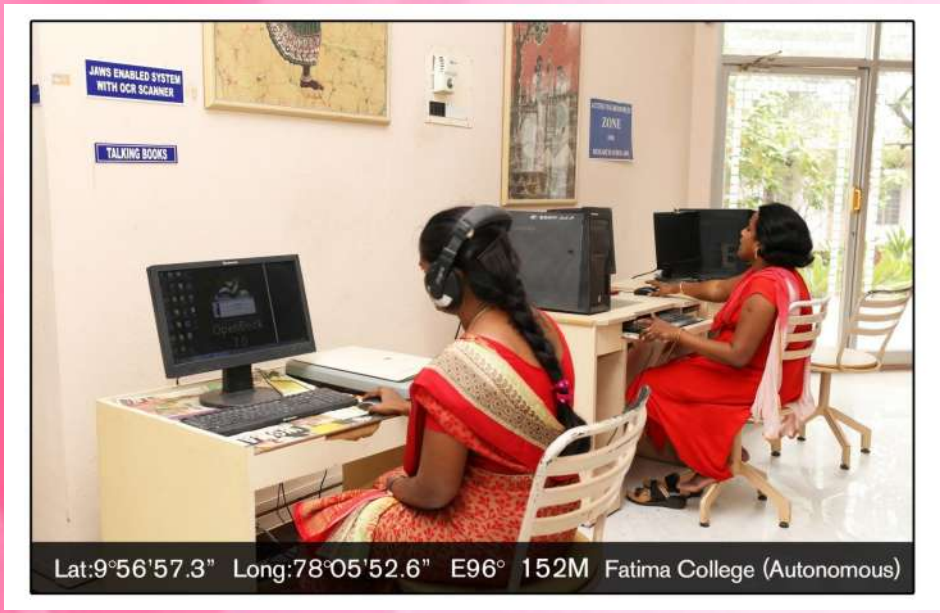
SIGN POST FOR DISABLED FRIENDLY RAMP INSIDE LIBRARY



Reading Corner for Visually Impaired -Talking Books (CDs)

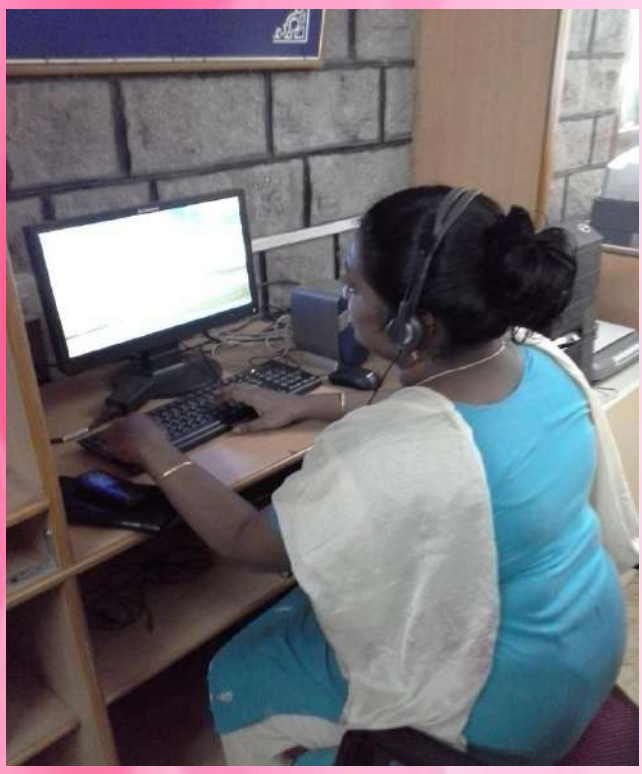


JAWS ENABLED SYSTEM WITH OCR SCANNER

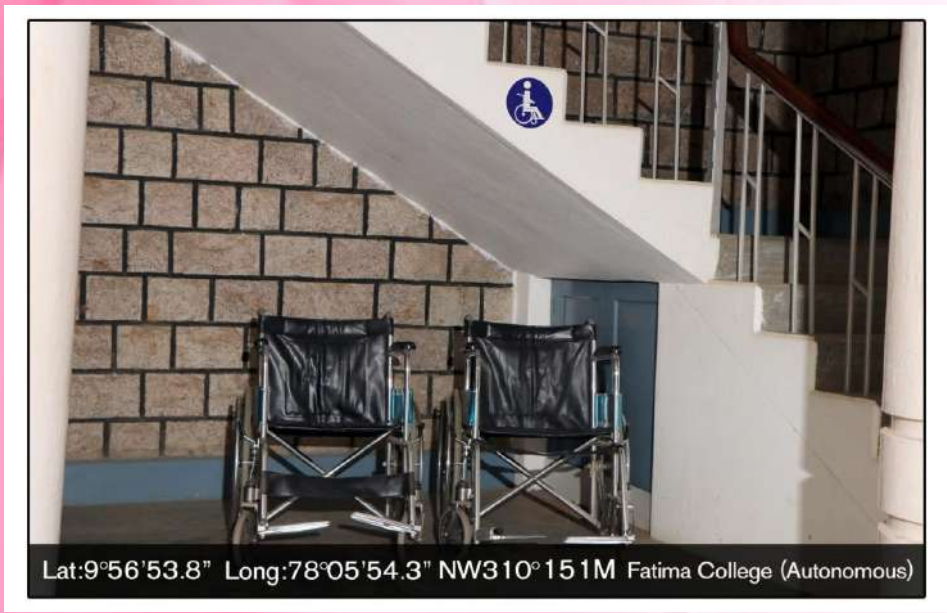


TALKING BOOKS CDS

LISTENING TO THE TALKING BOOKS

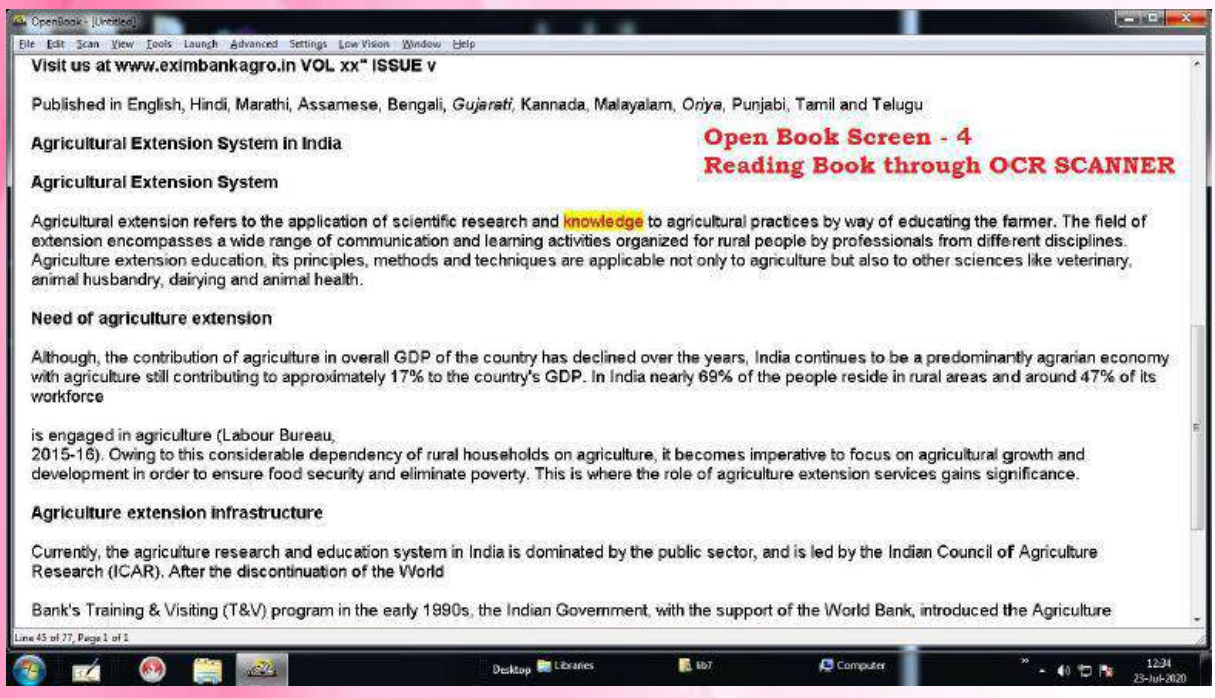


WHEEL CHAIR ASSISTANCE



SCRIBE

SCREEN SHOT OF OPEN BOOK OCR SCANNING AND READING SOFTWARE



OCCUPANCY CERTIFICATE

PROCEEDINGS OF THE TAHSILDAR, MADURAI NORTH

PRESENT: THIRU. S.MASTHANKANI, M.S.C.,

K.Dis.No: 3754 /2024 / C3 Dated :16.09.2024

Sub: **BUILDINGS** - Tamil Nadu Public Buildings (Licensing) Act, 1965(Tamil Nadu Act 13 of 1965) - Licence in Form "D" to The Correspondent,Fathima College (Autonomous), Maryland , S.No.192/2,192/3,130/3,131/3,132/1,132/2- vilangudi bit-1 village, MaduraiNorhTaluk- Madurai District - Orders sued.

Ref: The Correspondent,Fathima College (Autonomous), Maryland vilangudi bit-1 village, MaduraiNorhTaluk, Madurai District,Application dated 25.06.2024.

ORDER:

The Licence granted to The Correspondent,Fathima College (Autonomous), Maryland , S.No.192/2,192/3,130/3,131/3,132/1,132/2,132/3,vilangudi bit-1 village, MaduraiNorhTalukMadurai Districtis hereby renewed for the period **from 28.01.2024 to 27.02.2027 (Three Year)** under the Tamil Nadu Public Buildings (Licensing) Act, 1965 for the purpose of running a school.

The Correspondent,Fathima College (Autonomous), Maryland, S.No.192/2, 192/3, 130/3, 131/3, 132/1, 132/2, 132/3 - vilangudi bit-1 village, Madurai NorhTalukMadurai District is informed that he will be liable for action under the Act if there is any violation of the Licence and the rules framed thereon.

The Form "D" Licence is enclosed, The Correspondent,Fathima College (Autonomous), Maryland , S.No.192/2, 192/3, 130/3, 131/3, 132/1, 132/2,132/3,vilangudi bit-1 village, Madurai NorhTalukMadurai District is also informed that he should apply for the renewal of licence three months before the date of expiry of Licence.

Encl: Licence in Form "D"

TAHSILDAR,
MADURAI NORTH

To,
The Correspondent,
Fathima College (Autonomous),
Maryland ,vilangudi bit-1 village,
Madurai NorhTalukMadurai District

16.9.2024

Form "D"

Form of Licence under Sub-section (1) of the Section 6 of the Tamil Nadu Public Buildings (Licensing) Act 1965 (Tamil Nadu Act 13 of 1965) referred to in Rule 6 of the Tamil Nadu Public Buildings (Licensing) Rules 1966.

****

K.Dis No.3754/2024/ C3 Renewel No. 79 / 2024

Licence No.06/2021

The Licence granted to The Correspondent,Fathima College (Autonomous), Maryland , S.No.192/2, 192/3, 130/3, 131/3, 132/1, 132/2,132/3,vilangudi bit-1 village, Madurai NorhTalukMadurai District is hereby renewed for the purpose and in respect of the building specified in the statement below and subject to the conditions and for the period mentioned hereunder.

The period of validity of the renewal of Licence shall be from from28.02.2024 to 27.02.2027

TAHSILDAR, 16.9.24
MADURAI NORTH

16.9.24

STATEMENT TO ACCOMPANY THE LICENCE

Location of the Building Door No, Street and NameOf the place	Purpose for which the Building is licenced to be used as a Public Building (For Running School)		No. of persons To be Accommodated
The Correspondent, Fathima College (Autonomous), Maryland , S.No.192/2, 192/3, 130/3, 131/3, 132/1, 132/2, 132/3, vilangudi bit-1 village, Madurai NorhTalukMadurai District	Administrative of Main Block,	2500	8515
	Marina Block	750	
	Rose Mystica library	350	
	Benedicta Block	500	
	Jubilee Hall	1300	
	Counselling Center	20	
	Students Activity Center	175	
	Mother Rose Canteen	70	
	Millennium Block	1200	
	San Jose Block	850	
	SantctaMaria Block	800	

TAHSILDAR, 16.9.24
MADURAI NORTH

16.9.24

FIRE & SAFETY CERTIFICATE

TAMILNADU FIRE & RESCUE SERVICE
FORM OF FIRE & RESCUE SERVICE LICENCE
(See Section 13)

LICENCE No. 1464 / 2022 Date : 16 . 12 .2022

L.Dis.No: 15350 /D/2022

Licence is hereby granted under Section 13 of the Tamilnadu Fire & Rescue Service Act 1985, for selling / storing / pressing / other items **FATIMA COLLEGE (Autonomous) (G+2 Floor Only)** (mention whichever is applicable) within jurisdiction of **Madurai** Municipality / Panchayat / Corporation at the Premises **S.No:129/2.129/3,130/3,131/3,132/1,132/3,131/1,130/1,131/3,132/1,132/3** Street / Road **Mary Land, Vilangudi** Taluk / Town **MADURAI** District **MADURAI** subject to the conditions noted thereon and such conditions as may be prescribed.

Inspected by : **STATION OFFICER, TALLAKULAM 10.12.2022**

Valid upto : 15 . 12 .2023

Conditions :

1. **The Fire Fighting Equipments installed in the premises should be maintained in working condition.**

16 DEC 2022

OFFICE SEAL WITH DATE.

DISTRICT OFFICER
FIRE & RESCUE SERVICES
MADURAI DISTRICT, MADURAI

To :

Fatima College (Autonomous)
Mary Land, Vilangudi,
Madurai – 18.

Dr. G. Alice Sahaya Mary
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018.

Sr. Francisca Flora
SECRETARY
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

HOSTEL Facilities

LIBRARY FACILITIES 2024-2025

Library Books

Programme	Number of Titles	Number of Volumes	Number of Journals Published in India	Number of Journals Published at Abroad	Number of e-Book Titles - PG	Number of e-Book Volumes - PG	Number of e-Book Titles - UG	Number of e-Book Volumes - UG	Number of e-Book Titles - Diploma	Number of e-Book Volumes - Diploma
MCA	9,475	14,446	9	6	39,873	5,607	0	0	0	0
MANAGEMENT	11,587	18,248	14	8	51,764	5,250	0	0	0	0

Library Facilities

Working Hours From - To	Name of E Journal Subscription	Current Annual Budget Rs.	Total Library area in sqm	Library Networking	Reprographic Facility	No. of Multimedia PCs	Reading Room Seating Capacity	Bar Code or RF Tab book handling?	Library Management Software?	
8.30 am to 5.30 pm	J GATE, EBSCO, N - LIST, DRILLBIT Database	4,75,601	148	Y	Y	50	75	Yes	Yes	

Bills:

INFORMATICS
A Passage to Knowledge

Informatics Publishing Limited
No. 194, R.V. Road, Basavanagudi,
Bangalore - 560 004, India
Tel : +91-80-40387777 | Fax : +91-80-40387600
CIN: U72200KA2006PLC040165 / GSTIN : 29AACCT4896Q1Z8
MSME/UDYAM : UDYAM-KR-03-0179417/ PAN : AACCT4896Q
www.informaticsglobal.com

BILL OF SUPPLY

Invoice No : BS23-24-0695	**Invoice Date :** 22-03-2024
PO No : Letter	**PO Date :** 20-03-2024
SO No : IPL-SO-2024-02119	**SO Date :** 20-03-2024
Place of Supply : 33-Tamil Nadu	**Payment Terms:** Received
Customer Name : Fatima College (Autonomous) **Billing Address :**Mary Land New Vilangudi Madurai Tamil Nadu, State Code: 33 PIN: 625018 India GSTIN: URD	**Customer Name :** Fatima College (Autonomous) **Shipping Address :** Mary Land New Vilangudi Madurai Tamil Nadu, State Code: 33 PIN: 625018 India GSTIN: URD

Sr	Item	Description	HSN	Quantity	Rate	Amount
1	**JSSH** J-Gate Social Science and Humanities	J-Gate Social Science and Humanities 7/3/2024 to 6/3/2025	998431	Nos 1.0	₹ 58,366.00	₹ 58,366.00
	Total			**1.0**		**58,366.00**

Total ₹ 58,366.00

Grand Total ₹ 58,366.00

In Words : INR Fifty Eight Thousand, Three Hundred And Sixty Six only.

Bank Details:
A/c Name: Informatics Publishing Ltd, Bank & Branch: Canara Bank, South End Road Branch, Bangalore, A/c Number: 1173257000988, IFSC Code: CNRB0001173.

GST Exemption:
Subscription to the J-Gate by educational institution is eligible for GST exemption under sub-item (v) of item (b) of Serial No. 66 of Notification No. 12/2017-Central Tax (Rate), dated 28-6-2017 as amended by Notification No. 2/2018-Central Tax (Rate), dated 25-1- 2018.

Payment Details:07-03-2024 NEFT Cr-IDIBH24067279498-IDIB000K150-FATIMA COLLEGE- 58,366.00

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Informatics Publishing Limited

Authorized Signatory

INFORMATICS
A Passage to Knowledge

INFORMATICS PUBLISHING LIMITED
No.194, R.V.Road, Basavanagudi,
P.B.No.400, Bangalore - 560 004
WEBSITE : www.informaticsglobal.com

TEL: 91-080-40387777
FAX: 91-080-4038600

RECEIPT No.: 2449 **DATE: 7-Mar-24**

Fatima College(Autonomous), Madurai
Pincode - 625 018
Department of Management Studies,
Mary Land,
New Vilangudi,
Madurai,
Tamil Nadu

We acknowledge with thanks the receipt of your payment towards

NEFT Cr-IDIBH24067279498-IDIB000K150-FATIMA COLLEGE-IPL-SO-2024-02119

Cheque/DD No.	: NEFT
Dated	: 7-Mar-24
Drawn On	: Canara Bank (India)
Payable At	: Vikaspuri
Total Amount	: 58,366.00
Product	: IPL-Journals

(Rupees Fifty Eight Thousand Three Hundred Sixty Six Only.)

For INFORMATICS PUBLISHING LIMITED

Revenue Stamps Not Affixed
Due to Non Availability

Authorized Signatory

(Cheques are subject to Realisation)

A PASSAGE TO KNOWLEDGE

Note: This is computer generated Receipt. No Signature is required.

IDIBH240672 79498

Indian Bank

KOODAL NAGAR Branch

Date : 06.03.2024

RTGS / NEFT CHALLAN

1. IFSC Code No. CNRB0001173
2. Bank Name & Branch Canara Bank
3. Beneficiary Name Informatics Pub. Ltd.,
4. Beneficiary A/c No. 117325700000988
4. Beneficiary A/c No
5. Remitter Name Fatima College, Madurai
6. Remitter A/c No. 6349490760
7. UTR No.

Amount 58,366/-

Commission

Total 58,366/-

INDIAN BANK
KOODAL NAGAR
MDU-II
Manager

Dr. Sr. G. Celine SahayaMary, M.B.A., Ph.D., D.T.H.
Principal

FATIMA COLLEGE (AUTONOMOUS)
Re-Accredited with 'A++' by NAAC (Cycle-IV)
Mary Land, Madurai - 625018.
Phone : 2668016, 2669015
FAX : 0452-2668437
Email :info@fatimacollegemdu.org

Date : 05.03.2024

To

Informatics Publishing Limited
No.194, R. V. Road, P.B. No. 400
Basavanagudi
Bangalore – 560 004.

Dear Sir,

Sub: Renewal for J-gate – Reg.

We enclose herewith **Rs. 58,366/-** (Rupees Fifty Eight Thousand Three hundred and Sixty Six only) towards the subscription of **J-Gate** database for the year 2023 – 2024.

Thanks & Regards

Dr. G. Celine Sahaya Mary
(Dr. Sr. G. Celine Sahaya Mary)
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

Dr. Sr. G. Celine SahayaMary, M.B.A., Ph.D., D.J.Lit.
Principal

FATIMA COLLEGE (Autonomous)
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018.
Phone : 2668016, 2669015
FAX : 0452-2668437
Email : info@fatimacollegemdu.org

Ref:

Date: 05.03.2024

Informatics Publishing Limited
194, R.V Raod
Basavanagudi
Bangalore – 60004

Dear Sir,

Sub: Supply of J-Gate e-Journal.

With reference to above, we are pleased to release our purchase order for supply of J-Gate e-journal against your IPL-QTN-2023-24-02684 dated 09-01-2024. We accept your terms and conditions and agree to process payment as per payment terms in the quotation.

We herewith confirm that, our institute Fatima College (Autonomous, Madurai is recognized under Madurai Kamaraj University. Copy of affiliation letter from University is enclosed herewith. We provide Degree Courses for Higher Education and GST is exempted as per Notification No. 2/2018-Central Tax Rs. 10,505.88.

Thanks & Regards

Dr. G. Celine Sahaya Mary
(Dr. Sr. G. Celine Sahaya Mary)
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

encl: 1. Copy of University affiliation

MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)
Re-accredited By NAAC with 'A' Grade in the 3rd Cycle

Dr.V.S. Vasantha, M.Sc.,B.Ed., Ph.D.,
Registrar In-charge

Palkalai Nagar, Madurai – 625021,
Tamil Nadu, India.

Ref: CDC – 1/2020-21

Date : 15.02.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Fatima College,** Madurai was established in the year 1953 and Permanently Affiliated with Madurai Kamaraj University, Madurai from the academic year 1966 - 1967 onwards.

Yours faithfully

REGISTRAR i/c

Dr. Sr. G. Celine SahayaMary, M.B.A., Ph.D., D.Litt.
Principal

FATIMA COLLEGE (Autonomous)
Re-Accredited with 'A++' by NAAC (Cycle IV)
Mary Land, Madurai - 625018.
Phone : 2668016, 2669015
FAX : 0452-2668437
Email : info@fatimacollegemdu.org

Ref:
Informatics Publishing Limited
194, R.V Raod,
Basavanagudi
Bangalore – 560004

Date: 20.3.2024

Dear Sir,

Sub: Supply of J-Gate e-Journal.

With reference to above, we are pleased to release our purchase order for supply of J-Gate e-journal against your Quotation number IPL-QTN-2023-24-02684 dated (09-01-2024). We accept your terms and conditions and agree to process payment as per payment terms in the quotation.

We herewith confirm that, our institute (Fatima College Autonomous, Madurai) is recognized under (Madurai Kamaraj University). Copy of affiliation letter from University is enclosed herewith. We provide Degree Courses for Higher Education as specified in sub-item (v) clause (b) of Serial No. 66 of notification no. 12/2017 central tax rate and GST is exempted as per Notification No. 2/2018-Central Tax (Rate).

In case of failure to comply the above clause & due to which GST authority denies the exemption to Informatics Publishing Limited, then we undertake to pay the GST along with interest charged to Informatics Publishing Limited.

Thanks & Regards

For FATIMA COLLEGE, (Autonomous)

for C. Sujatha

(Signature and Seal)
Authorised Signatory (name of the signatory)
encl: Copy of University affiliation

C. SUJATHA
Librarian
Fatima College
(Autonomous)
MADURAI-625 018

e-ShodhSindhu
Consortium for Higher Education Electronic Resources

Resource Name: J-Gate

Brief Description:

J-Gate is an electronic gateway to global e-journal literature. Launched in 2001 by Informatics India Limited, J-Gate provides seamless access to millions of journal articles available online indexes from over 53,000 online journals including full-text access to around 29,000 journals. J-Gate also plans to support online subscription to journals, electronic document delivery, archiving and other related services. J-Gate Science and Technology platform indexes over 34,600 online journals including full-text access to around 18,800 journals. J-Gate Social Science and Humanities platform indexes over 18,500 online journals including full-text access to around 8,400 journals.

Negotiated Rates for 2023:

- Science & Technology Collections^ : INR 63,672.00
- Social Sciences and Humanities^^ : INR 58,366.00

GST Extra

^ Includes Engineering and Technology, Basic Sciences, Agri and Bio Sciences, Biomedical Sciences

^^ Social & Management Sciences, Arts & Humanities

Country of Origin of the Resource: India

Complete Address for Ordering & Invoicing:

Informatics Publishing Limited
No. 194, R.V. Road, P.B. No. 400, Basavanagudi
Bangalore-560 004, India
Phone: +91-80-40367777

Contact Person Name, email address & phone number:

Sanjay Grover
Informatics Publishing Limited
Phone: +91-9845516020
Email: sanjay@informaticsglobal.com

Soji Mathew
Phone: +91-9880135615
Email: soji@informaticsglobal.com

Downloaded by Publisher (Negotiated Rates for 2023)

Downloaded on 09/02/2023

TAX INVOICE

EBSCO

ORIGINAL FOR RECIPIENT

Details of Supplier	
GSTIN	9917USA29012OSE
Name	EBSCO INTERNATIONAL INC.
Address	5724, Highway 280 East, Birmingham
State	Alabama
Country	United States of America
Zip Code	35242
S.no. of Invoice	E/23-24/Mar-037
Date of Invoice	Monday, 11 March, 2024
PAN Number	AACCE-3535-D

Details of Receiver (Billed to)	
Name	The Principal, Fatima College
Address	Mary Land, Madurai
State	Tamil Nadu
State code	625 018
PAN	NA
GSTIN (Unique ID)	NA
Place of supply	Tamil Nadu
PO No. / Reference	NA
PO Date / Reference Date	NA

Sr. No.	Description of Goods/Services	Subscription Period	HSN/Service Accounting code	Qty	GST Rate	Currency Exchange Rate	Total (USD $)	Total (INR)
1	EBSCO ebook Academic Collection	April 2024 - March 2025	998431	1	5%	83.30	$ 3,569.6	₹ 297,348
	SUB TOTAL						$3,569.60	₹ 297,347.68

	USD Value	INR Value(R/o)
Discount Rate	$0.00	₹ 0
Taxable Value	$3,569.6	₹ 297,347.68
Add: IGST @ 18% (Refer Point No. 9 of Terms & Conditions)	$0.00	₹ 0
Add: IGST @ 5% (Refer Point No. 9 of Terms & Conditions)	$178.48	₹ 14,867.38
TOTAL INVOICE VALUE (In figure)	$3,748	₹ 312,215
Total Invoice Value (In Words)	*Rupees Three Lakh Twelve Thousand Two Hundred Fifteen Paise Six Only*	

Applicable to Reverse Charge: NO

	USD	INR
Total Tax Payable under Reverse Charge (To be Paid by the Institution directly to GOI)	NIL	NIL

	USD	INR
Total Payable Invoice Value (To be Paid by the Institution to EBSCO)	$ 3,748	₹ 312,215

TERMS & CONDITIONS

1	In case any of the customer desires to deduct tax at source, the same must be deducted under section 195 of the Income-tax Act in the name of EBSCO International Incorporated PAN-AACCE-3535-D.
2	**PURCHASE ORDER (PO) MUST BE IN THE NAME OF EBSCO INTERNATIONAL INCORPORATED (IF APPLICABLE)**
3	Please pay amount in advance and there should be no partial payments.
4	**Bank Exchange rate:- Bank of India exchange rate applicable**
5	Terms: Net due upon receipt of invoice EBSCO guarantees payment to all publishers.
6	This Price is valid for 21 days from the date of Tax Invoice
7	Shipment is made directly from overseas supplier.
8	EBSCO Information Services India Private Ltd. is an independent entity and its role is limited to marketing and coordination for the distribution and delivery of the worldwide publications offered by EBSCO International Inc. in India.
9	We have been made to understand that, your entity qualify as 'non-taxable online recipient' under Section 2(16) of IGST Act. Accordingly, GST under forward charge will be payable by us i.e. EBSCO International Inc. However, please note that you being a 'non-taxable online recipient' would not be able to claim ITC (tax credit) of such GST collected from you and paid to government. Further, in case, at a later stage, we are informed that ,your entity does not qualify as 'non-taxable online recipient', the GST paid by us to the government under forward charge would not be refunded.

EBSCO INTERNATIONAL INC CORPORATE SEAL DELAWARE

Signature

BANK DETAILS

INDIAN RUPEE WIRE TRANSFERS CAN BE SENT TO	US DOLLARS TRANSFERS CAN BE SENT TO
Account Name : EBSCO International Inc.	**Account Name : EBSCO International Inc.**
BANK NAME : Deutsche Bank	5724, Highway 280 East, Birmingham, Alabama,
IFS CODE : DEUT0796DEL	United States of America -35242
ACCOUNT NO.: 1566934000	SWIFT CODE : WFBIUS6S
BANK ADDRESS : Deutsche Bank AG, Filiale New Delhi Global Business Services, 18-20, 14th Floor HT House K G Marg, 110 001, New Delhi	ABA: 121000248
	ACCOUNT NO.: 2000027338795
	Bank Name & Address : Wells Fargo Bank, San Francisco, CA USA.

Customers can also deliver cheques in favour of EBSCO International Inc. at below address:
301,303, Ansal Chambers- II, 6, Bhikaji Cama Place, New Delhi -110066

IDIBR52024030737902008

Indian Bank

KOODAL NAGAR Branch

Date : 06.03.2024

RTGS / NEFT CHALLAN

1. IFSC Code No. DEUT0796DEL
2. Bank Name & Branch Deutsche Bank
3. Beneficiary Name EBSCo International Inc
4. Beneficiary A/c No. 1566934000
4. Beneficiary A/c No.
5. Remitter Name Fatima College, Madurai
6. Remitter A/c No. 489155946
7. UTR No.

Amount 3,12,215/-

Commission

Total 3,12,215/-

INDIAN BANK * KOODAL NAGAR *

Manager

Dr. Sr. G. Celine SahayaMary, M.B.A., Ph.D., D.Litt.
Principal

FATIMA COLLEGE (Autonomous)
Re-Accredited with 'A++' by NAAC (Cycle- IV)
Mary Land, Madurai - 625018.
Phone : 2668016, 2669015
FAX : 0452-2668437
Email :info@fatimacollegemdu.org
Date :23.02.2023

To

EBSCO Information Service India Pvt. Ltd.
301,303,Ansal Chambers- II,
Bhikaji Cama Place,
New Delhi – 110 066.

Dear Sir,

Sub: Renewal for EBSCO e-books – Reg.

We enclose herewith **Rs. 3,12,215/-** (Rupees Three Lakhs Twelve Thousand Two Hundred and Fifteen only) towards the subscription of **EBSCO** e-books for the year 2023 – 2024.

Thanks & Regards

for

(Dr. Sr. G. Celine Sahaya Mary)
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MADURAI - 625 018

Information and Library Network Centre
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(विश्वविद्यालय अनुदान आयोग का स्वायत्त अंतर विश्वविद्यालय केन्द्र)

INFLIBNET

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Invoice

Ref No.: INF/N-LIST/2024/1153

Date: 2024-02-13
Invoice No.: NLIST/23-24/2518
College GST No.: 33AAFTS5007E2ZT
College GST State Code: TN [33]

Name and Address of Subscriber

To
The Principal
Fatima College
Mary Land
Madurai
Tamil Nadu - 625 018

SR. No.	Membership Fee	Period of Membership	Amount In Rs
1	N-LIST Annual Membership Fee	April 2024 to March 2025	5,000.00
		CGST@0.00%	0.00
		SGST@0.00%	0.00
		IGST@18.00%	900.00
		Total	**5,900.00**

Rupees Five Thousand Nine Hundred Only

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TDS is not applicable on annual membership fee.

Sincerely Yours

Ashok Kumar Rai
Scientist-F(CS)

---------- Cut Here ----------

N-LIST MEMBERSHIP FEE RECEIPT

Receipt Date: 2024-02-13

Receipt No: 8709

Received with thanks from Fatima College, Madurai, Tamil Nadu
A sum of Rupees Five Thousand Nine Hundred Only by Cheque No/DD No/RTGS No. 622130 Dated 2024-01-29 drawn on 0 Payable at Gandhinagar Gujarat towards N-LIST Annual Membership Fee for the financial year 2023-24.

Rs. 5900

Sincerely Yours

Administrative Officer(Finance)

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Ph.: +91-79-23268000, Fax : +91-79-23268222, http://www.inflibnet.ac.in

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State Name : Uttar Pradesh, Code : 09
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Receipt Voucher

Received with thanks from : **Fatima College (Autonomous), Madurai**
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Tamil Nadu

The sum of : **Rupees Ninety Nine Thousand One Hundred Twenty Only**

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Remarks : **NEFT**

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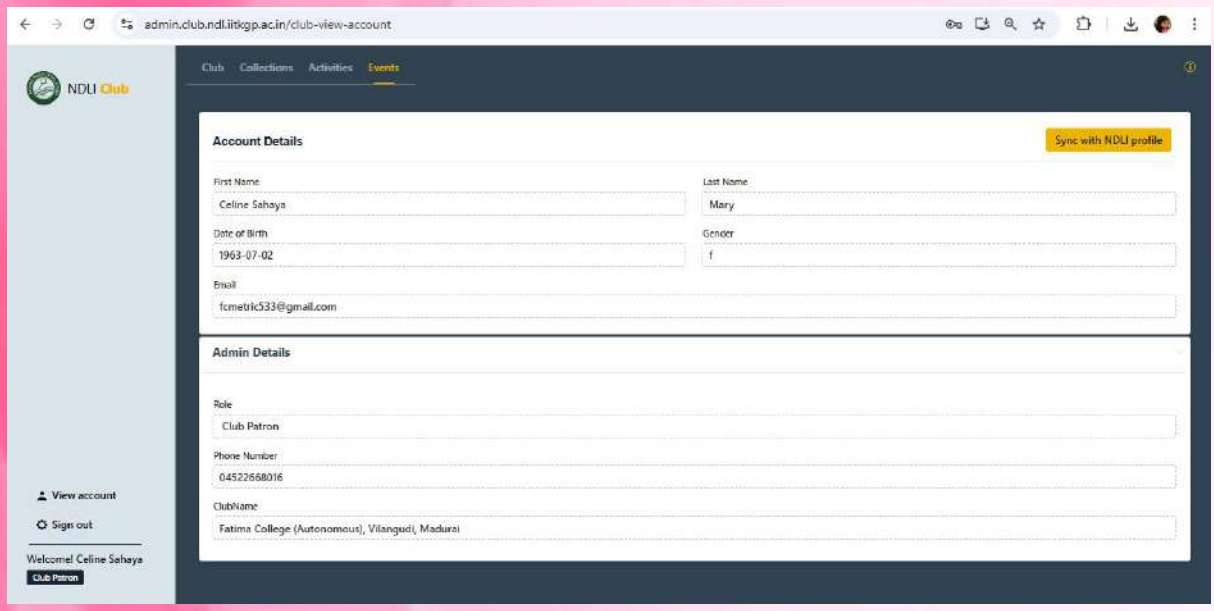


LABORATORY FACILITIES

LABORATORY DETAILS

Sr. No.				
1	**Programme:**	COMPUTER APPLICATIONS	**Department:**	MastersInComputer Applications
	Course:	Data Not Available	**Level:**	Post Graduate
	Name of the Laboratory:	Mca Lab I, Ii, Iii	**IsitResearchlabforPG Course(Y/N):**	No
	Lab / Major Equipments:	TotalSystems-73 Core 2 Duo - 12	**Building Name**	sanjose,Santamaria, Admin Block
	Building Number	132/1,132/3		
Sr. No.	**Programme:**	MANAGEMENT	**Department:**	MastersInBusiness Administration
2	**Course:**	Data Not Available	**Level:**	Data Not Available
	Name of the Laboratory:	Sj Cl	**IsitResearchlabforPG Course(Y/N):**	No
	Lab / Major Equipments:	72PcsPIv Core 2 Duo	**Building Name**	sanjose
	Building Number	132/3		

PG LAB - SYSTEM CONFIGURATION

Total Number of Systems Connected by **LAN** **:1 Server + 70 Systems**
Consul UPS – 20 KVA with 2 Hrs Backup **: 2 No's**
Lab Opening and Closing Time **:9.00 A.M – 5.30P.M**

Operating System

Windows 11
Red Hat Linux 9.0

System Software

Adobe Dreamweaver 2019
Adobe Illustrator 2020
Adobe PageMaker 7.0
Adobe Photoshop 2020
Alice
Android Studio
Eclipse
Java™ SDK 19.0.2
Macromedia Cloud Computing
Macromedia Flash 8
MangoDB
MS Office 2007
MS Office 2021
MS SQL Server 2000 & 2005
Node

Oracle 9i
Postgre SQL 9.4
Python3.11.2
R Programming
SPSS Smart viewer 18
SQL Server 2019
SQL Shel
Tally 9.0
Turbo C++
Turbo C++ windows 7
Turbo C7
Visual Studio 6.0
Visual Studio Coder
Visual studio. Net 2008 & 2005
Visual Studio. Net 6.0.300
Wamp Server 3.2.6

Sl. No	Processor Model	RAM	Hard Disk	Hardware Components	No. of Systems
1	12th Gen Intel ® Core™ i5-12400 2.50GHz	24 GB RAM	512GB SSD	18.5" LENOVO Color Monitor, HD,VGA & HDMI Connector Tilt Stand LENOVO Keyboard, & Mouse	**63**
	(Working as Nodes) Windows 7				
2	12th Gen Intel ® Core™ i5-12400 2.50GHz	8 GB RAM	512GB SSD	21" LENOVO LED Monitor, HD,VGA & HDMI Connector Tilt Stand LENOVO Keyboard, & Mouse	**7**
Red Hat Linux 9.0 (Server)					
3	Intel(R) Core ™2 DUO CPU E7400 @ 2.80 GHz, 2.76 GHz	4 GB RAM	250 GB HITACHI HDD	DVD Writer, 19" LENOVO Color Monitor, Built – in Speakers, 101 Keys LENOVO Keyboard, 1 Serial Port, 1 Parallel Ports, Giga Bit Ethernet LAN Card, LENOVO Optical Mouse. **(Linux Server).**	**1**

INTERNET BAND WIDTH – 100mbbs

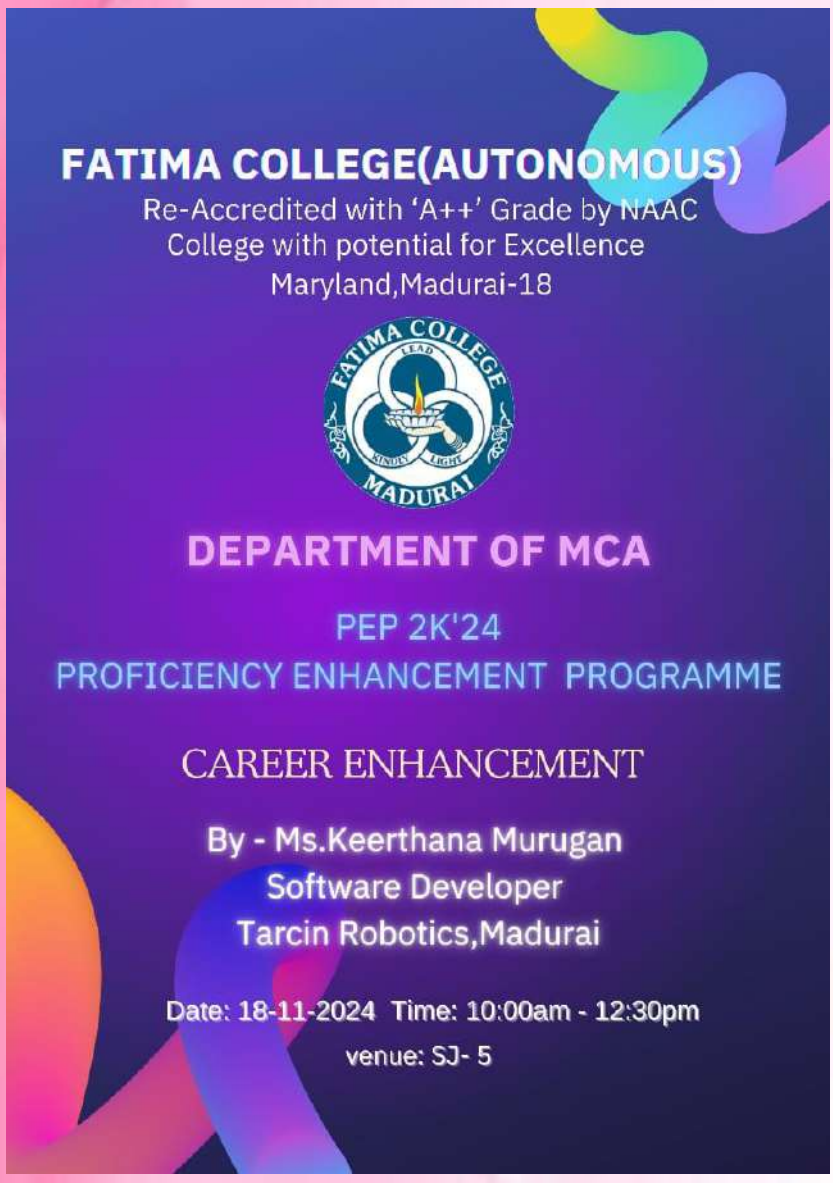
COMPUTING FACILITIES

- Special purpose facilities available (Conduct of online Meetings/Webinars/ Workshops, etc)

Fatima Institute of Management

Department of M.C.A

PLACEMENT WORKSHOP



PROFICIENCY ENHANCEMENT PROGRAMME2K'24

CAREER ENHANCEMENT

Name:Ms.Keerthana Murugan **Designation :**Software Developer, Tarcin Robotics	**Date** : 18.11.2024 **Venue**: San Jose room 5 **Time** :10.00 am to 12.30pm

KEY POINTS HIGHLIGHTED

- Emerging technology trends
- Opportunities evolving in IT industry
- Sharing of real time experiences
- The Proficiency Enhancement Programme Provided invaluable insights into career enhancement and strategic placement in the rapidly evolving job market, with a focus on emerging domains and advanced technologies. Our esteemed speaker highlighted key areas such as Artificial Intelligence, Data Science, Cyber security, Cloud Computing, and the Internet of Things, underscoring their transformative impact on various industries. Emphasis was placed on the importance of adaptability, continuous learning, and skill development to remain relevant in the face of technological advancements.
- The speaker shared practical advice on creating personalized career roadmaps, cultivating professional networks, and leveraging digital platforms to enhance employability. Furthermore, the lecture explored the significance of soft skills, such as communication, collaboration, and problem-solving, in complementing technical expertise. Attendees gained a deeper understanding of the career opportunities and challenges presented by emerging technologies, empowering them to make informed decisions about their professional trajectories.
- By exploring real-world examples and case studies, the speaker illustrated the successful integration of advanced technologies in driving business growth, innovation, and efficiency. The lecture concluded with an emphasis on the need for professionals to stay agile, curious, and open to new learning experiences, ensuring their skills remain aligned with the dynamic demands of the job market. Through this enlightening session, participants were equipped with the knowledge and inspiration necessary to navigate the complex landscape of emerging technologies and thrive in their chosen careers.

OUTCOME

- The session provided insights on creating career roadmaps to escalate in job positions.
- Importance of building professional networks

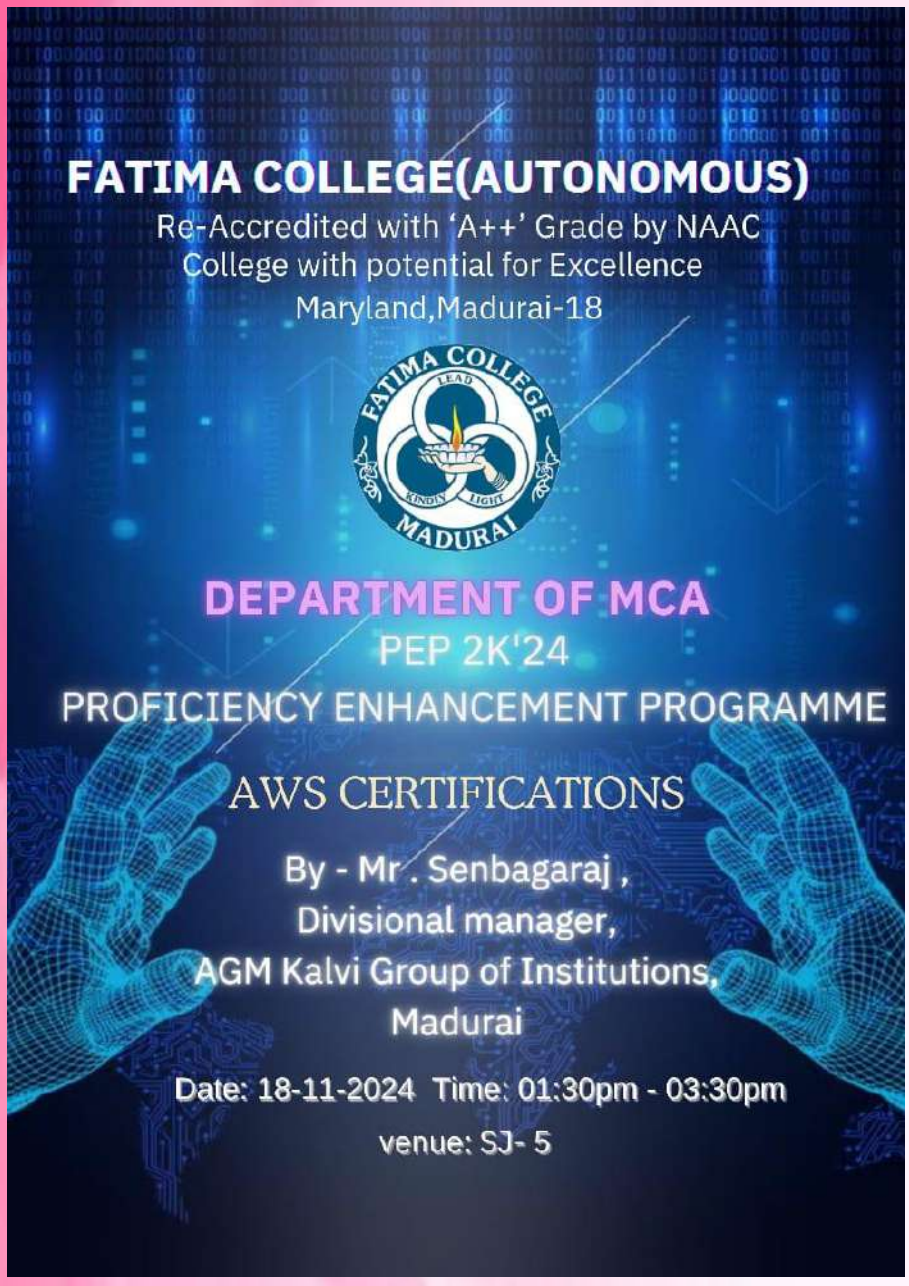
- **PHOTOS**

PARTICIPANTS LIST - II YEAR

S.NO	Reg.No	NAME
1.	2023MCA01	AARTHI M
2.	2023MCA03	ABITHA J
3.	2023MCA04	AKSHAYA G
4.	2023MCA05	ANITHA S
5.	2023MCA06	ANNE COLLET A
6.	2023MCA08	BALASAKTHI V
7.	2023MCA09	DHAARANI R
8.	2023MCA10	DHANUSHYA N
9.	2023MCA11	DHARSHINI N
10.	2023MCA13	DURGA DEVI S
11.	2023MCA14	EBINESA R
12.	2023MCA15	GAYATHRIDEVI S
13.	2023MCA16	HEMA H
14.	2023MCA17	IMRANA PARVEEN A
15.	2023MCA18	ISWARIYA N
16.	2023MCA19	JAYA JASHWANTHINI R K
17.	2023MCA20	JAYA SRI P
18.	2023MCA21	JAYAHARINI . S
19.	2023MCA22	JENIFER BEHULA J
20.	2023MCA23	KAUSHALYA T.J
21.	2023MCA24	KEERTHANA V
22.	2023MCA25	KIRUTHIKA R
23.	2023MCA26	KRITTIKA R
24.	2023MCA27	LAVANYA DEVI S

25.	2023MCA28	MAHALAKSHMI S
26.	2023MCA29	MAHESWARI M
27.	2023MCA30	MANIBHARATHI M
28.	2023MCA31	MARIA BLESSIA A
29.	2023MCA32	MARIA VINCY J
30.	2023MCA33	MITHRA MATHESWARI C R
31.	2023MCA34	MUKIL ARASI .G
32.	2023MCA35	NAGASRI R
33.	2023MCA36	NANDHANA RATHNA S
34.	2023MCA37	NANDHINI .B
35.	2023MCA38	NASREEN SULTHANA N
36.	2023MCA39	PAVITHRA P
37.	2023MCA40	PAVITHRA P
38.	2023MCA41	PETRICIA A
39.	2023MCA42	POORNIMA .A
40.	2023MCA43	PRAGATHEESHA. M
41.	2023MCA44	PRIYADHARSHINI K
42.	2023MCA45	PRIYADHARSHINI R
43.	2023MCA46	PRIYADHARSHINI R
44.	2023MCA47	RAJA LAKSHMI M
45.	2023MCA48	RAVEENA S
46.	2023MCA49	RIDHA NAJIHA .S
47.	2023MCA50	SRIKRISHNABALA B
48.	2023MCA51	SRUTHIKA T
49.	2023MCA52	SUBITHA B
50.	2023MCA53	SUNMATHY S

51.	2023MCA54	SWATHI M
52.	2023MCA55	SWETHAA S
53.	2023MCA56	THARSHINI R
54.	2023MCA57	THENMOZHI N
55.	2023MCA58	THILOTTHAMMA C K
56.	2023MCA59	VAISHALI R
57.	2023MCA60	VINMALAR A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College with potential for Excellence
Maryland,Madurai-18
DEPARTMENT OF MCA
PEP 2K'24
PROFICIENCY ENHANCEMENT PROGRAMME
AWS CERTIFICATIONS
By - Mr . Senbagaraj ,
Divisional manager,
AGM Kalvi Group of Institutions,
Madurai
Date: 18-11-2024 Time: 01:30pm - 03:30pm
venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

AWS CERTIFICATIONS

Name:Mr. Senbagaraj **Designation :**Divisional Manager AGM Kalvi Group of Institutions	**Date** : 18.11.2024 **Venue**: San Jose room 5 **Time** :1.00 pm to 1.30pm

KEY POINTS HIGHLIGHTED

- AWS Certification
- Opportunities in Cloud Computing

The proficiency enhancement programme introduced attendees to the world of Amazon Web Services (AWS) certification, highlighting its benefits and significance in the cloud computing industry. Our expert speaker provided an in-depth overview of AWS certification programs, explaining how they validate an individual's expertise and knowledge in designing, deploying, and managing applications on the AWS platform.

The programme the importance of AWS certification for enhancing cloud skills and knowledge, boosting career prospects and job opportunities, and demonstrating expertise in cloud computing. Attendees gained valuable insights into the certification process, including eligibility criteria, exam formats, study materials, and maintenance requirements. Our speaker also shared practical advice on preparing for AWS certification exams, stressing the importance of hands-on experience, online courses, and community support.

Additionally, they highlighted the various specializations within AWS certification, such as Solutions Architect, Developer, and SysOps Administrator, and how they align with industry roles and responsibilities.

OUTCOME

- Gained knowledge on AWS Certification
- Specialization integrated with AWS certification

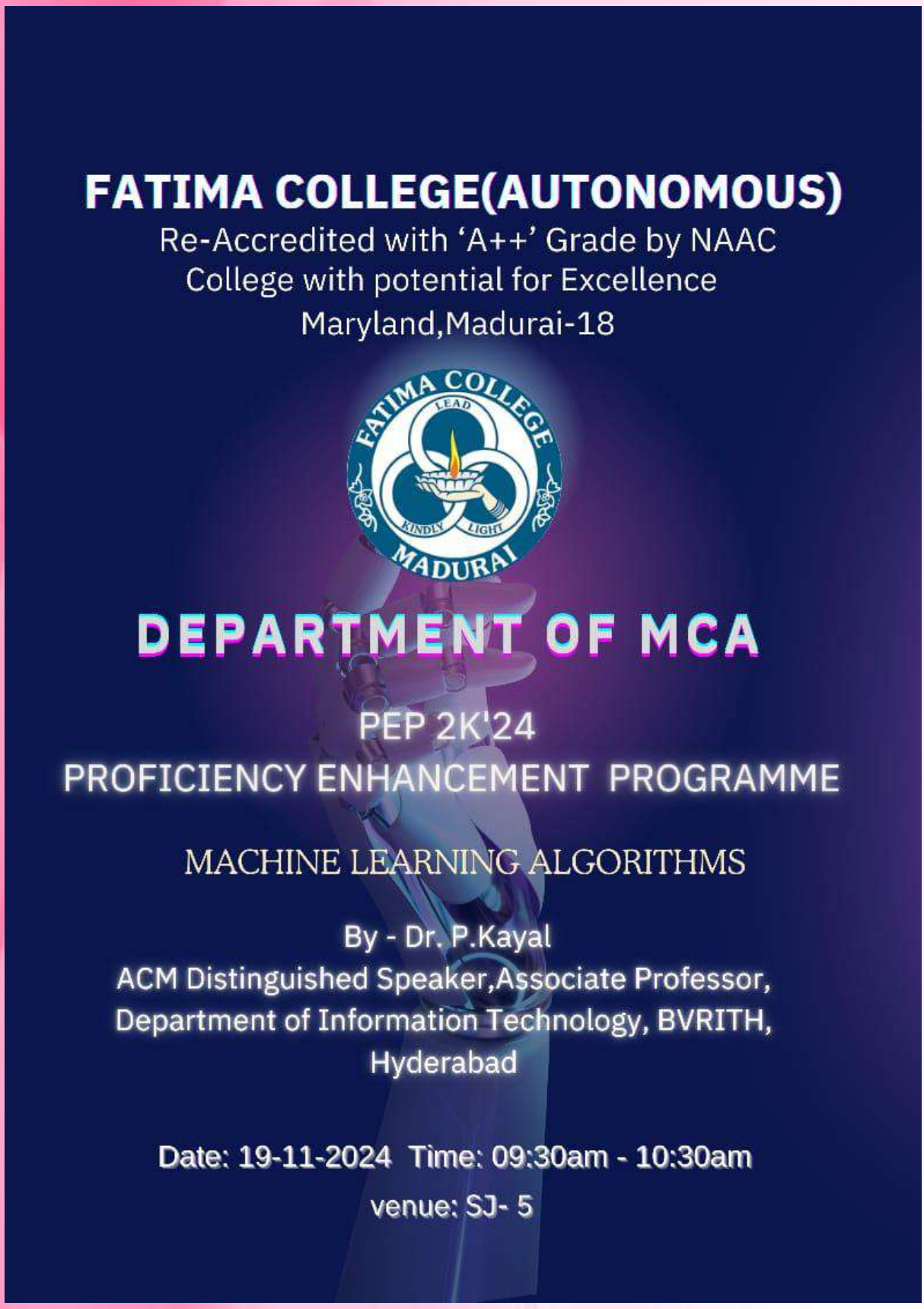
PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Reg.No	NAME
58.	2023MCA01	AARTHI M
59.	2023MCA03	ABITHA J
60.	2023MCA04	AKSHAYA G
61.	2023MCA05	ANITHA S
62.	2023MCA06	ANNE COLLET A
63.	2023MCA08	BALASAKTHI V
64.	2023MCA09	DHAARANI R
65.	2023MCA10	DHANUSHYA N
66.	2023MCA11	DHARSHINI N
67.	2023MCA13	DURGA DEVI S
68.	2023MCA14	EBINESA R
69.	2023MCA15	GAYATHRIDEVI S
70.	2023MCA16	HEMA H
71.	2023MCA17	IMRANA PARVEEN A
72.	2023MCA18	ISWARIYA N
73.	2023MCA19	JAYA JASHWANTHINI R K
74.	2023MCA20	JAYA SRI P
75.	2023MCA21	JAYAHARINI . S
76.	2023MCA22	JENIFER BEHULA J
77.	2023MCA23	KAUSHALYA T.J
78.	2023MCA24	KEERTHANA V
79.	2023MCA25	KIRUTHIKA R
80.	2023MCA26	KRITTIKA R
81.	2023MCA27	LAVANYA DEVI S
82.	2023MCA28	MAHALAKSHMI S

83.	2023MCA29	MAHESWARI M
84.	2023MCA30	MANIBHARATHI M
85.	2023MCA31	MARIA BLESSIA A
86.	2023MCA32	MARIA VINCY J
87.	2023MCA33	MITHRA MATHESWARI C R
88.	2023MCA34	MUKIL ARASI .G
89.	2023MCA35	NAGASRI R
90.	2023MCA36	NANDHANA RATHNA S
91.	2023MCA37	NANDHINI .B
92.	2023MCA38	NASREEN SULTHANA N
93.	2023MCA39	PAVITHRA P
94.	2023MCA40	PAVITHRA P
95.	2023MCA41	PETRICIA A
96.	2023MCA42	POORNIMA .A
97.	2023MCA43	PRAGATHEESHA. M
98.	2023MCA44	PRIYADHARSHINI K
99.	2023MCA45	PRIYADHARSHINI R
100	2023MCA46	PRIYADHARSHINI R
101	2023MCA47	RAJA LAKSHMI M
102	2023MCA48	RAVEENA S
103	2023MCA49	RIDHA NAJIHA .S
104	2023MCA50	SRIKRISHNABALA B
105	2023MCA51	SRUTHIKA T
106	2023MCA52	SUBITHA B
107	2023MCA53	SUNMATHY S
108	2023MCA54	SWATHI M

109	2023MCA55	SWETHAA S
110	2023MCA56	THARSHINI R
111	2023MCA57	THENMOZHI N
112	2023MCA58	THILOTTHAMMA C K
113	2023MCA59	VAISHALI R
114	2023MCA60	VINMALAR A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FATIMA COLLEGE
LEAD
KINDLY LIGHT
MADURAI
DEPARTMENT OF MCA
PEP 2K'24
PROFICIENCY ENHANCEMENT PROGRAMME
MACHINE LEARNING ALGORITHMS
By - Dr. P.Kayal
ACM Distinguished Speaker,Associate Professor,
Department of Information Technology, BVRITH,
Hyderabad
Date: 19-11-2024 Time: 09:30am - 10:30am
venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

MACHINE LEARNING ALGORITHMS

Name: Dr. P.Kayal **Designation:**ACM,Distinguished Speaker, Associate Professor, Department of Information Technology, BVRITH, Hyderabad	**Date** : 18.11.2024 **Venue**: San Jose room 5 **Time** :10.00 am to 12.30pm

KEY POINTS HIGHLIGHTED

- Various Machine Learning Algorithms
- Solutions to different data sets

The program delved into the realm of Machine Learning (ML) algorithms, equipping participants with a comprehensive understanding of the concepts, techniques, and applications of ML. Expert speaker led engaging session, exploring the fundamentals of supervised, unsupervised, and reinforcement learning, as well as deep learning.

The program emphasized hands-on experience, with participants working on real-world case studies and projects to implement ML algorithms using popular libraries such as TensorFlow, PyTorch, and scikit-learn. Discussions focused on overcoming challenges in data pre-processing, model selection, and optimization.

Attendees gained insights into the applications of ML across industries, including natural language processing, computer vision, and predictive analytics. The program concluded with an exploration of cutting-edge advancements in ML, such as transfer learning, attention mechanisms, and Explainable AI (XAI).

Through this immersive program, participants acquired practical skills to design, train, and deploy ML models, empowering them to drive innovation and solve complex problems in their respective domains.

By exploring real-world examples and case studies, the speaker illustrated the successful integration of advanced technologies in driving business growth, innovation, and efficiency. Through this enlightening programme, participants were equipped with the knowledge and inspiration necessary to navigate the complex landscape of emerging technologies and thrive in their chosen careers.

OUTCOME

- Skills to design, train and test ML models
- Significance of these models in different fields

PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
1.	2023MCA02	ABARAJITHA M
2.	2023MCA03	ABITHA J
3.	2023MCA04	AKSHAYA G
4.	2023MCA06	ANNE COLLET A
5.	2023MCA07	ANTO ANUSHA A
6.	2023MCA08	BALASAKTHI V
7.	2023MCA09	DHAARANI R
8.	2023MCA10	DHANUSHYA N

S.NO	Roll No	STUDENTS NAME
9.	2023MCA11	DHARSHINI N
10.	2023MCA12	DURGADEVI G
11.	2023MCA13	DURGA DEVI S
12.	2023MCA15	GAYATHRIDEVI S
13.	2023MCA16	HEMA H
14.	2023MCA17	IMRANA PARVEEN A
15.	2023MCA18	ISWARIYA N
16.	2023MCA19	JAYA JASHWANTHINI R K
17.	2023MCA20	JAYA SRI P
18.	2023MCA22	JENIFER BEHULA J
19.	2023MCA23	KAUSHALYA T J
20.	2023MCA24	KEERTHANA V
21.	2023MCA25	KIRUTHIKA R
22.	2023MCA26	KRITTIKA R
23.	2023MCA28	MAHALAKSHMI S
24.	2023MCA29	MAHESWARI M
25.	2023MCA31	MARIA BLESSIA A
26.	2023MCA33	MITHRA MATHESWARI C R
27.	2023MCA35	NAGASRI R
28.	2023MCA36	NANDHANA RATHNA S
29.	2023MCA37	NANDHINI B
30.	2023MCA38	NASREEN SULTHANA N
31.	2023MCA39	PAVITHRA P (20-12-2002)
32.	2023MCA40	PAVITHRA P (16-12-2003)
33.	2023MCA41	PETRICIA A
34.	2023MCA42	POORNIMA A

S.NO	Roll No	STUDENTS NAME
35.	2023MCA43	PRAGATHEESHA M
36.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
37.	2023MCA49	RIDHA NAJIHA S
38.	2023MCA50	SRIKRISHNABALA B
39.	2023MCA51	SRUTHIKA T
40.	2023MCA52	SUBITHA B
41.	2023MCA53	SUNMATHY S
42.	2023MCA54	SWATHI M
43.	2023MCA55	SWETHAA S
44.	2023MCA56	THARSHINI R
45.	2023MCA57	THENMOZHI N
46.	2023MCA58	THILOTTHAMMA C K
47.	2023MCA59	VAISHALI R
48.	2023MCA60	VINMALAR A

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DEPARTMENT OF MCA

PEP 2K'24
PROFICIENCY ENHANCEMENT PROGRAMME

INTERVIEW SKILLS AND BODY LANGUAGE ETIQUETTES

By - Mrs. Andreasia Michaeline
Corporate Trainer/Student Counselor,
Dindigul

Date: 19-11-2024 Time: 11am-12.50pm
venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

INTERVIEW SKILLS AND BODY LANGUAGE ETIQUTEES

Name:Mrs. Andresia Michaeline **Designation :**CorporateTrainer/Student Counselor, Dindigul	**Date** : 19.11.2024 **Venue**: San Jose room 5 **Time** :11.00 am to 12.50pm

KEY POINTS HIGHLIGHTED

- How to present oneself in an interview
- Verbal and Non - Verbal Communication

The comprehensive program on Interview Skills and Body Language Etiquettes provided participants with expert guidance on effectively navigating the interview process, from preparation to follow-up. Renowned facilitators shared invaluable insights on verbal and non-verbal communication, emphasizing the importance of confidence, positivity, and authenticity in making a lasting impression.

Attendees learned how to craft compelling personal narratives, respond effectively to common interview questions, and utilize body language techniques such as maintaining eye contact, active listening, and purposeful gestures to build rapport with interviewers. Additionally, the program covered strategies for researching companies, understanding job descriptions, and tailoring resumes and cover letters to specific positions.

Through interactive exercises, role-plays, and group discussions, participants practiced their skills, received personalized feedback, and gained confidence in their ability to showcase their strengths and accomplishments.

By mastering interview skills and body language etiquette, attendees enhanced their employability, preparedness for successful career advancement, and equipped themselves to secure desired opportunities, achieve their professional goals, and launch fulfilling careers.

OUTCOME

- The session provided insights on creating career roadmaps to escalate in job positions.
- Importance of building professional networks

PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
1.	2023MCA02	ABARAJITHA M
2.	2023MCA03	ABITHA J
3.	2023MCA04	AKSHAYA G
4.	2023MCA06	ANNE COLLET A
5.	2023MCA07	ANTO ANUSHA A
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7.	2023MCA09	DHAARANI R
8.	2023MCA10	DHANUSHYA N
9.	2023MCA11	DHARSHINI N

S.NO	Roll No	STUDENTS NAME
10.	2023MCA12	DURGADEVI G
11.	2023MCA13	DURGA DEVI S
12.	2023MCA15	GAYATHRIDEVI S
13.	2023MCA16	HEMA H
14.	2023MCA17	IMRANA PARVEEN A
15.	2023MCA18	ISWARIYA N
16.	2023MCA19	JAYA JASHWANTHINI R K
17.	2023MCA20	JAYA SRI P
18.	2023MCA22	JENIFER BEHULA J
19.	2023MCA23	KAUSHALYA T J
20.	2023MCA24	KEERTHANA V
21.	2023MCA25	KIRUTHIKA R
22.	2023MCA26	KRITTIKA R
23.	2023MCA28	MAHALAKSHMI S
24.	2023MCA29	MAHESWARI M
25.	2023MCA31	MARIA BLESSIA A
26.	2023MCA33	MITHRA MATHESWARI C R
27.	2023MCA35	NAGASRI R
28.	2023MCA36	NANDHANA RATHNA S
29.	2023MCA37	NANDHINI B
30.	2023MCA38	NASREEN SULTHANA N
31.	2023MCA39	PAVITHRA P (20-12-2002)
32.	2023MCA40	PAVITHRA P (16-12-2003)
33.	2023MCA41	PETRICIA A
34.	2023MCA42	POORNIMA A
35.	2023MCA43	PRAGATHEESHA M

S.NO	Roll No	STUDENTS NAME
36.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
37.	2023MCA49	RIDHA NAJIHA S
38.	2023MCA50	SRIKRISHNABALA B
39.	2023MCA51	SRUTHIKA T
40.	2023MCA52	SUBITHA B
41.	2023MCA53	SUNMATHY S
42.	2023MCA54	SWATHI M
43.	2023MCA55	SWETHAA S
44.	2023MCA56	THARSHINI R
45.	2023MCA57	THENMOZHI N
46.	2023MCA58	THILOTTHAMMA C K
47.	2023MCA59	VAISHALI R
48.	2023MCA60	VINMALAR A

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LEAD
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MADURAI
DEPARTMENT OF MCA
PEP 2K'24
PROFICIENCY ENHANCEMENT PROGRAMME
WHAT EXACTLY HR EXPECTS FROM YOU..?
By - Ms. Mullaikodi S
HRM,
Ufours IT Solutions pvt ltd,
Madurai.
Date: 19-11-2024 Time: 1.30 -3.30pm
venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

WHAT EXACTLY HR EXPECTS FROM YOU?

Name:Ms.S. Mullaikodi **Designation** :HRM, Ufours IT Solutions Pvt. Ltd	**Date** : 19.11.2024 **Venue**: San Jose room 5 **Time** :1.30 pm to 3.30pm

KEY POINTS HIGHLIGHTED

- Expectations of HR
- Organizational Hierarchy

The insightful enhancement programme revealed the expectations of Human Resources (HR) departments from employees, highlighting essential skills, attitudes, and behaviors for success. Expert facilitators emphasized HR's requirements, including effective communication, adaptability, proactive problem-solving, emotional intelligence, accountability, and alignment with company values.

Key skills such as time management, conflict resolution, leadership, and data-driven decision-making were also stressed. Attendees gained practical advice on building strong relationships with HR and colleagues, navigating company policies, developing a growth mind-set, seeking feedback, and embracing diversity, equity, and inclusion.

By understanding HR's expectations, participants learned how to enhance their performance, contribute to organizational success, and advance their careers, ultimately bridging the gap between employee and HR expectations for mutual benefit.

OUTCOME

Knowledge on Organizational Behavior

Highlighted the HR Expectations

PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
49.	2023MCA02	ABARAJITHA M
50.	2023MCA03	ABITHA J
51.	2023MCA04	AKSHAYA G
52.	2023MCA06	ANNE COLLET A
53.	2023MCA07	ANTO ANUSHA A
54.	2023MCA08	BALASAKTHI V
55.	2023MCA09	DHAARANI R
56.	2023MCA10	DHANUSHYA N
57.	2023MCA11	DHARSHINI N
58.	2023MCA12	DURGADEVI G
59.	2023MCA13	DURGA DEVI S

S.NO	Roll No	STUDENTS NAME
60.	2023MCA15	GAYATHRIDEVI S
61.	2023MCA16	HEMA H
62.	2023MCA17	IMRANA PARVEEN A
63.	2023MCA18	ISWARIYA N
64.	2023MCA19	JAYA JASHWANTHINI R K
65.	2023MCA20	JAYA SRI P
66.	2023MCA22	JENIFER BEHULA J
67.	2023MCA23	KAUSHALYA T J
68.	2023MCA24	KEERTHANA V
69.	2023MCA25	KIRUTHIKA R
70.	2023MCA26	KRITTIKA R
71.	2023MCA28	MAHALAKSHMI S
72.	2023MCA29	MAHESWARI M
73.	2023MCA31	MARIA BLESSIA A
74.	2023MCA33	MITHRA MATHESWARI C R
75.	2023MCA35	NAGASRI R
76.	2023MCA36	NANDHANA RATHNA S
77.	2023MCA37	NANDHINI B
78.	2023MCA38	NASREEN SULTHANA N
79.	2023MCA39	PAVITHRA P (20-12-2002)
80.	2023MCA40	PAVITHRA P (16-12-2003)
81.	2023MCA41	PETRICIA A
82.	2023MCA42	POORNIMA A
83.	2023MCA43	PRAGATHEESHA M
84.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
85.	2023MCA49	RIDHA NAJIHA S

S.NO	Roll No	STUDENTS NAME
86.	2023MCA50	SRIKRISHNABALA B
87.	2023MCA51	SRUTHIKA T
88.	2023MCA52	SUBITHA B
89.	2023MCA53	SUNMATHY S
90.	2023MCA54	SWATHI M
91.	2023MCA55	SWETHAA S
92.	2023MCA56	THARSHINI R
93.	2023MCA57	THENMOZHI N
94.	2023MCA58	THILOTTHAMMA C K
95.	2023MCA59	VAISHALI R
96.	2023MCA60	VINMALAR A

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DEPARTMENT OF MCA

PEP 2K'24

PROFICIENCY ENHANCEMENT PROGRAMME

BUSINESS COMMUNICATION

By,

Ms.Dharani,
Soft Skill Trainer,
Una Infotech,Madurai

Mr. A. Sathish,
Technical Head,
Iyal Training Academy,
Madurai

Date :20-11-2024 Time: 09:30am - 03:30pm

venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

BUSINESS COMMUNICATION

Name:Ms.Dharani **Designation :**Software Skill Trainer, Una Infotech **Name**:Mr. A. Sathish **Designation :** Technical Head, Iyal Training Academy Madurai	**Date** : 20.11.2024 **Venue**: San Jose room 5 **Time** :9.30 am to 3.30pm

KEY POINTS HIGHLIGHTED

- Management of project teams
- Collaboration between teams

The enhancement programme emphasized effective business communication as a vital skill for success, focusing on key principles and strategies to convey ideas, build relationships, and drive results. Attendees learned how to craft compelling messages, engage audiences, and manage virtual teams through:

- Clear and concise messaging
- Active listening and feedback
- Nonverbal communication and body language
- Cultural awareness and sensitivity
- Conflict resolution and negotiation
- Technology-enabled communication
- Key takeaways included:
- Developing a professional online presence
- Handling difficult conversations and conflicts
- Enhancing collaboration and teamwork
- Driving business growth and innovation

By mastering business communication skills, participants gained confidence to build strong relationships, advance their careers, and navigate diverse cultural and global contexts.

OUTCOME

- Knowledge on resolving conflicts
- Management of teams
- Confidence Building Tips

PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
1.	2023MCA03	ABITHA J
2.	2023MCA04	AKSHAYA G
3.	2023MCA06	ANNE COLLET A
4.	2023MCA08	BALASAKTHI V
5.	2023MCA10	DHANUSHYA N
6.	2023MCA13	DURGA DEVI S
7.	2023MCA15	GAYATHRIDEVI S
8.	2023MCA16	HEMA H
9.	2023MCA18	ISWARIYA N
10.	2023MCA19	JAYA JASHWANTHINI R K
11.	2023MCA20	JAYA SRI P

S.NO	Roll No	STUDENTS NAME
12.	2023MCA22	JENIFER BEHULA J
13.	2023MCA23	KAUSHALYA T J
14.	2023MCA25	KIRUTHIKA R
15.	2023MCA26	KRITTIKA R
16.	2023MCA27	LAVANYA DEVI S
17.	2023MCA28	MAHALAKSHMI S
18.	2023MCA29	MAHESWARI M
19.	2023MCA31	MARIA BLESSIA A
20.	2023MCA32	MARIA VINCY J
21.	2023MCA34	MUKIL ARASI G
22.	2023MCA35	NAGASRI R
23.	2023MCA36	NANDHANA RATHNA S
24.	2023MCA37	NANDHINI B
25.	2023MCA38	NASREEN SULTHANA N
26.	2023MCA39	PAVITHRA P (20-12-2002)
27.	2023MCA40	PAVITHRA P (16-12-2003)
28.	2023MCA41	PETRICIA A
29.	2023MCA42	POORNIMA A
30.	2023MCA43	PRAGATHEESHA M
31.	2023MCA44	PRIYADHARSHINI K
32.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
33.	2023MCA46	PRIYADHARSHINI R (11-08-2003)
34.	2023MCA47	RAJA LAKSHMI M
35.	2023MCA48	RAVEENA S
36.	2023MCA50	SRIKRISHNABALA B
37.	2023MCA51	SRUTHIKA T

S.NO	Roll No	STUDENTS NAME
38.	2023MCA52	SUBITHA B
39.	2023MCA53	SUNMATHY S
40.	2023MCA54	SWATHI M
41.	2023MCA55	SWETHAA S
42.	2023MCA56	THARSHINI R
43.	2023MCA57	THENMOZHI N
44.	2023MCA59	VAISHALI R
45.	2023MCA60	VINMALAR A
46.	2022MCA03	AKILA R

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DEPARTMENT OF MCA

PEP 2K'24

PROFICIENCY ENHANCEMENT PROGRAMME

UI/ UX DESIGN

By -Radhika,
Designer,
Vinsup,Madurai

Date: 21-11-2024 Time: 10:00am - 12:30pm

venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

UI / UX DESIGN

Name:Ms. Radhika **Designation :** Designer, Vinsup, Madurai	**Date** : 21.11.2024 **Venue**: San Jose room 5 **Time** : 10 am to 12.30pm

KEY POINTS HIGHLIGHTED

- Outlined UI/UX Design
- Career Development

Today's comprehensive session on User Interface (UI) and User Experience (UX) design provided an in-depth exploration of the field's principles, trends, and growth in job opportunities, highlighting the critical role of UI/UX in creating engaging, user-centred digital products.

Expert facilitators shared valuable insights, covering human-centred design principles, user research and analysis techniques, visual design and typography best practices, interaction design, and usability considerations, as well as industry trends such as AR/VR, AI, mobile-first, accessibility, and inclusive design. The session also emphasized the increasing demand for skilled UI/UX designers, driven by emerging technologies, expanding job roles, and opportunities in various industries. Additionally, attendees learned essential skills for career development, including building a strong portfolio, staying updated with industry trends, collaborating with cross-functional teams, and developing soft skills.

By understanding the UI/UX design landscape, participants gained the knowledge to create innovative digital experiences, drive business growth, build successful careers, and stay competitive in the rapidly evolving digital landscape.

OUTCOME

- Importance of UI/UX Design
- Emerging technology trends

PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
47.	2023MCA02	ABARAJITHA M
48.	2023MCA03	ABITHA J
49.	2023MCA04	AKSHAYA G
50.	2023MCA06	ANNE COLLET A
51.	2023MCA08	BALASAKTHI V
52.	2023MCA10	DHANUSHYA N
53.	2023MCA11	DHARSHINI N
54.	2023MCA14	EBINESA R
55.	2023MCA19	JAYA JASHWANTHINI R K
56.	2023MCA20	JAYA SRI P
57.	2023MCA23	KAUSHALYA T J
58.	2023MCA24	KEERTHANA V

S.NO	Roll No	STUDENTS NAME
59.	2023MCA25	KIRUTHIKA R
60.	2023MCA27	LAVANYA DEVI S
61.	2023MCA28	MAHALAKSHMI S
62.	2023MCA29	MAHESWARI M
63.	2023MCA30	MANIBHARATHI M
64.	2023MCA33	MITHRA MATHESWARI C R
65.	2023MCA34	MUKIL ARASI G
66.	2023MCA36	NANDHANA RATHNA S
67.	2023MCA37	NANDHINI B
68.	2023MCA38	NASREEN SULTHANA N
69.	2023MCA41	PETRICIA A
70.	2023MCA42	POORNIMA A
71.	2023MCA43	PRAGATHEESHA M
72.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
73.	2023MCA47	RAJA LAKSHMI M
74.	2023MCA48	RAVEENA S
75.	2023MCA49	RIDHA NAJIHA S
76.	2023MCA51	SRUTHIKA T
77.	2023MCA52	SUBITHA B
78.	2023MCA53	SUNMATHY S
79.	2023MCA55	SWETHAA S
80.	2023MCA56	THARSHINI R
81.	2023MCA57	THENMOZHI N
82.	2023MCA58	THILOTTHAMMA C K
83.	2023MCA59	VAISHALI R
84.	2023MCA60	VINMALAR A

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PEP 2K'24

PROFICIENCY ENHANCEMENT PROGRAMME

APTITUDE TRAINING

By

Navamani .S ,

Trainer,Suresh academy ,

Madurai

Date: 21-11-2024 Time: 01:30pm-03:30pm

venue: SJ- 5

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

APTITUDE TRAINING

Name:Mr. Navamani **Designation** :Trainer, Suresh Academy,Madurai	**Date** : 21.11.2024 **Venue**: San Jose room 5 **Time** : 1.30pm to 3.30pm

KEY POINTS HIGHLIGHTED

- Tricks and Techniques
- Time Management

The session on Aptitude Training and Shortcuts provided participants with a comprehensive toolkit for improving their problem-solving skills across a wide range of aptitude-related tasks. Expert facilitators led the session by sharing insightful strategies and practical techniques designed to help participants tackle various challenges in logical reasoning, numerical ability, verbal reasoning, and pattern recognition. Key highlights included time-saving shortcuts for complex mathematical calculations, logical approaches for solving puzzles, and methods for accurate and efficient data interpretation.

The session focused not only on boosting speed and accuracy in aptitude tests but also on enhancing cognitive functions and critical thinking abilities. Participants learned how to systematically approach problems, improving their ability to process information quickly and correctly. As a result, attendees were able to gain greater confidence in handling even the most challenging questions, fostering a deeper understanding of problem-solving methods.

By mastering these techniques, participants developed a stronger ability to approach exams and real-world challenges with a strategic mind set. The skills acquired during the session are particularly valuable for competitive exams, job recruitment processes, and academic endeavours. Ultimately, this training gave participants a significant edge, enabling them to perform better in both their academic and professional pursuits.

OUTCOME

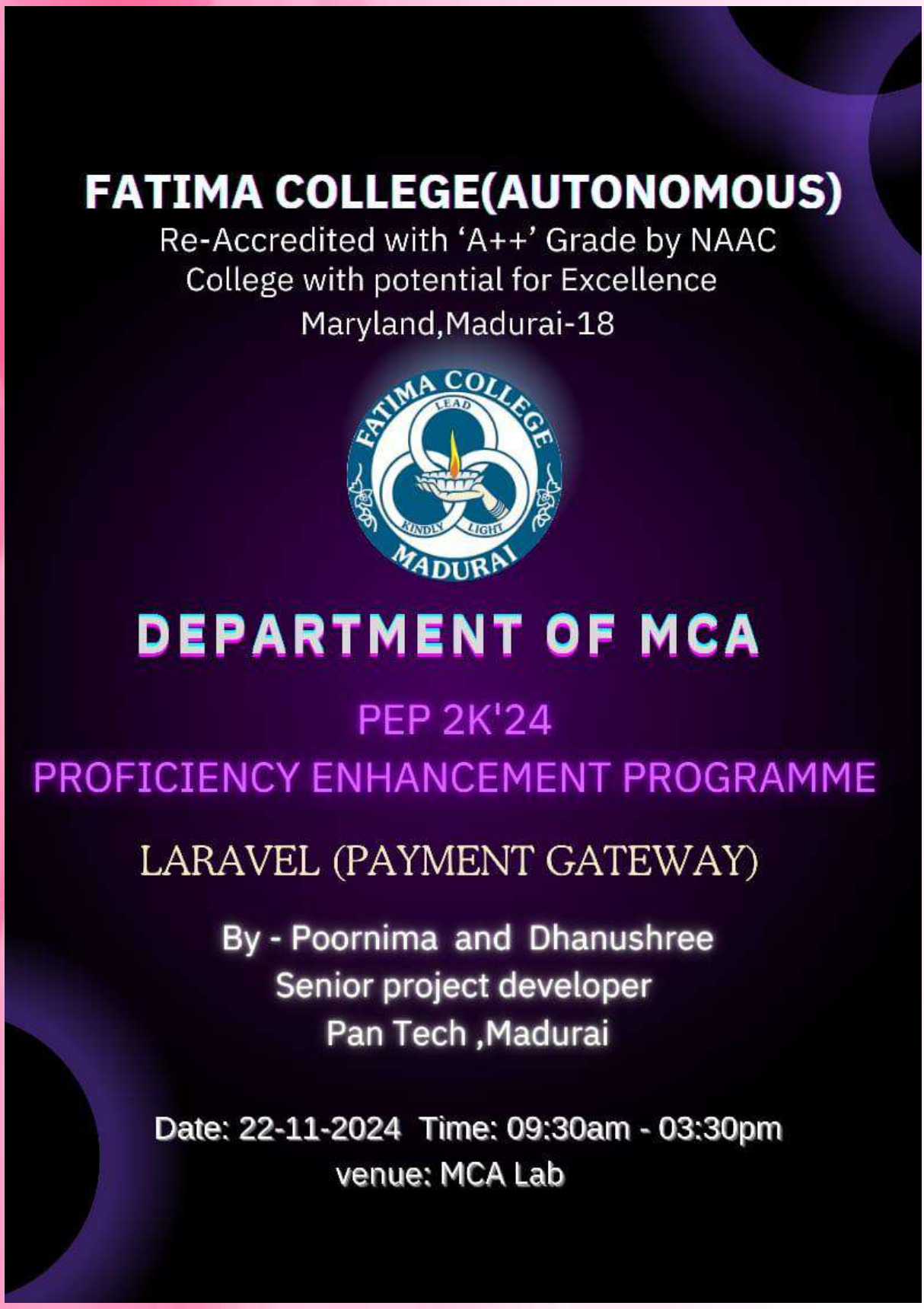
- Methods for problem solving
- Data Interpretation techniques

PHOTOS

PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
85.	2023MCA02	ABARAJITHA M
86.	2023MCA03	ABITHA J
87.	2023MCA04	AKSHAYA G
88.	2023MCA06	ANNE COLLET A
89.	2023MCA08	BALASAKTHI V
90.	2023MCA10	DHANUSHYA N
91.	2023MCA11	DHARSHINI N
92.	2023MCA14	EBINESA R
93.	2023MCA19	JAYA JASHWANTHINI R K
94.	2023MCA20	JAYA SRI P
95.	2023MCA23	KAUSHALYA T J
96.	2023MCA24	KEERTHANA V

S.NO	Roll No	STUDENTS NAME
97.	2023MCA25	KIRUTHIKA R
98.	2023MCA27	LAVANYA DEVI S
99.	2023MCA28	MAHALAKSHMI S
100.	2023MCA29	MAHESWARI M
101.	2023MCA30	MANIBHARATHI M
102.	2023MCA33	MITHRA MATHESWARI C R
103.	2023MCA34	MUKIL ARASI G
104.	2023MCA36	NANDHANA RATHNA S
105.	2023MCA37	NANDHINI B
106.	2023MCA38	NASREEN SULTHANA N
107.	2023MCA41	PETRICIA A
108.	2023MCA42	POORNIMA A
109.	2023MCA43	PRAGATHEESHA M
110.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
111.	2023MCA47	RAJA LAKSHMI M
112.	2023MCA48	RAVEENA S
113.	2023MCA49	RIDHA NAJIHA S
114.	2023MCA51	SRUTHIKA T
115.	2023MCA52	SUBITHA B
116.	2023MCA53	SUNMATHY S
117.	2023MCA55	SWETHAA S
118.	2023MCA56	THARSHINI R
119.	2023MCA57	THENMOZHI N
120.	2023MCA58	THILOTTHAMMA C K
121.	2023MCA59	VAISHALI R
122.	2023MCA60	VINMALAR A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DEPARTMENT OF MCA
PEP 2K'24
PROFICIENCY ENHANCEMENT PROGRAMME
LARAVEL (PAYMENT GATEWAY)
By - Poornima and Dhanushree
Senior project developer
Pan Tech ,Madurai
Date: 22-11-2024 Time: 09:30am - 03:30pm
venue: MCA Lab

PROFICIENCY ENHANCEMENT PROGRAMME2K'24

LARAVEL (PAYMENT GATEWAY)

Name:Ms.Poornima Ms. Dhanushree **Designation :**Senior Project Developer, Pantech, Madurai	**Date** : 22.11.2024 **Venue**: MCA Lab **Time** :9.30 am to 3.30pm

KEY POINTS HIGHLIGHTED

- Laravel Framework
- Process of integrating payment gateways

The Proficiency Enhancement Programme on "Integrating Payment Gateways with Laravel" was a comprehensive and informative session that provided attendees with a thorough understanding of the process of integrating payment gateways with Laravel applications.

The session began with an introduction to payment gateways, including an overview of the different types of payment gateways, such as PayPal, Stripe, and PayU, and their respective features and benefits.

The speaker then delved into the specifics of Laravel's payment processing capabilities, including its built-in support for various payment gateways and its robust payment processing API. The speaker also provided a step-by-step guide on how to integrate popular payment gateways with Laravel, including configuration payment processing, and web hook handling.

In addition to the technical aspects of payment gateway integration, the speaker also emphasized the importance of security and compliance when processing online payments.

The speaker discussed best practices for secure payment processing, including encryption, tokenization, and PCI-DSS compliance, and provided tips on how to troubleshoot common issues that may arise during payment gateway integration.

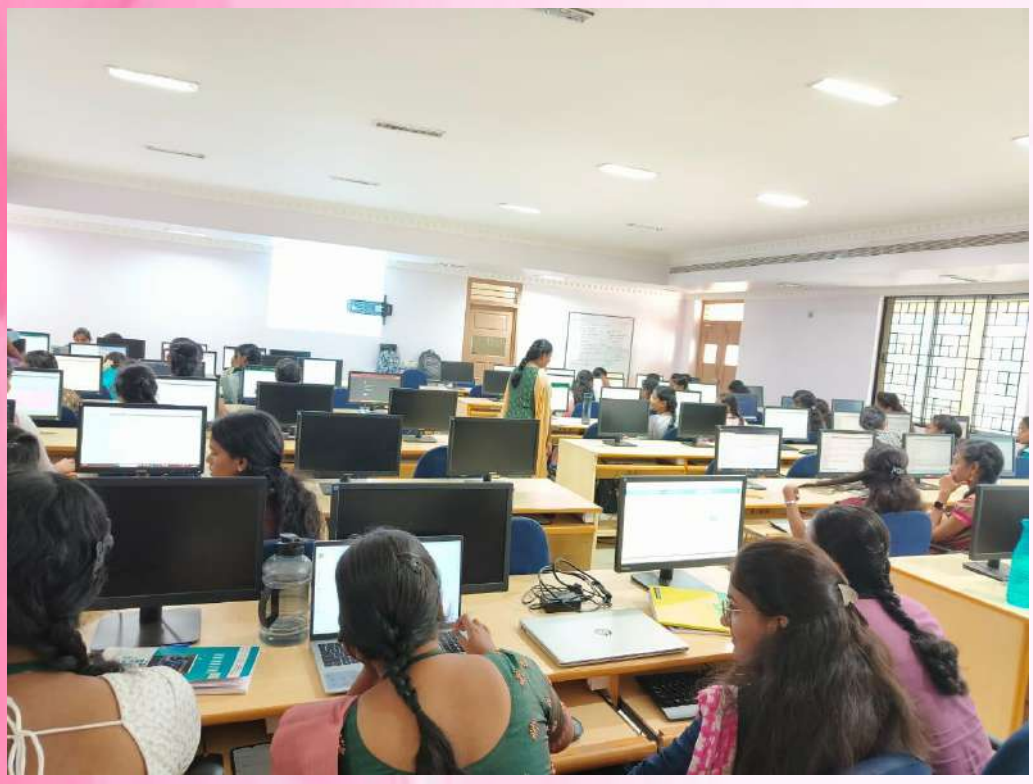
Overall, the programme provided attendees with a comprehensive understanding of the process of integrating payment gateways with Laravel applications, as well as the importance of security and compliance in online payment processing. By the end of the session, attendees had gained the

knowledge and skills necessary to integrate payment gateways with Laravel applications and ensure secure and efficient transactions.

OUTCOME

- Gained knowledge on Laravel
- Significance of payment gateways

PHOTO



PARTICIPANTS LIST - II YEAR

S.NO	Roll No	STUDENTS NAME
123.	2023MCA01	AARTHI M
124.	2023MCA02	ABARAJITHA M
125.	2023MCA03	ABITHA J
126.	2023MCA04	AKSHAYA G

S.NO	Roll No	STUDENTS NAME
127.	2023MCA05	ANITHA S
128.	2023MCA06	ANNE COLLET A
129.	2023MCA08	BALASAKTHI V
130.	2023MCA09	DHAARANI R
131.	2023MCA10	DHANUSHYA N
132.	2023MCA11	DHARSHINI N
133.	2023MCA13	DURGA DEVI S
134.	2023MCA14	EBINESA R
135.	2023MCA15	GAYATHRIDEVI S
136.	2023MCA16	HEMA H
137.	2023MCA17	IMRANA PARVEEN A
138.	2023MCA19	JAYA JASHWANTHINI R K
139.	2023MCA21	JAYAHARINI S
140.	2023MCA22	JENIFER BEHULA J
141.	2023MCA23	KAUSHALYA T J
142.	2023MCA24	KEERTHANA V
143.	2023MCA25	KIRUTHIKA R
144.	2023MCA26	KRITTIKA R
145.	2023MCA27	LAVANYA DEVI S
146.	2023MCA28	MAHALAKSHMI S
147.	2023MCA29	MAHESWARI M
148.	2023MCA30	MANIBHARATHI M
149.	2023MCA32	MARIA VINCY J
150.	2023MCA33	MITHRA MATHESWARI C R
151.	2023MCA34	MUKIL ARASI G
152.	2023MCA35	NAGASRI R

S.NO	Roll No	STUDENTS NAME
153.	2023MCA36	NANDHANA RATHNA S
154.	2023MCA37	NANDHINI B
155.	2023MCA38	NASREEN SULTHANA N
156.	2023MCA39	PAVITHRA P (20-12-2002)
157.	2023MCA40	PAVITHRA P (16-12-2003)
158.	2023MCA41	PETRICIA A
159.	2023MCA42	POORNIMA A
160.	2023MCA43	PRAGATHEESHA M
161.	2023MCA45	PRIYADHARSHINI R (14-07-2003)
162.	2023MCA46	PRIYADHARSHINI R (11-08-2003)
163.	2023MCA47	RAJA LAKSHMI M
164.	2023MCA49	RIDHA NAJIHA S
165.	2023MCA50	SRIKRISHNABALA B
166.	2023MCA51	SRUTHIKA T
167.	2023MCA52	SUBITHA B
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169.	2023MCA54	SWATHI M
170.	2023MCA55	SWETHAA S
171.	2023MCA56	THARSHINI R
172.	2023MCA57	THENMOZHI N
173.	2023MCA58	THILOTTHAMMA C K
174.	2023MCA59	VAISHALI R
175.	2023MCA60	VINMALAR A
176.	2022MCA03	AKILA R

INNOVATION CELL

INSTITUTION'S INNOVATION COUNCIL (IIC)

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
3.	**Sr. F. Arockia Mary** Office Manager (Shift - I)		Member
4.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member
5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Ms. K. Vibhacini** II MBA	:	Students' Representative
8.	**Ms. S. Swethaa** II MCA	:	Students' Representative

SOCIAL MEDIA CELL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Coordinator
3.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Coordinator
4.	**Dr. R. Suganya** Assistant Professor Department of MBA	:	Member
5.	**Dr. R. Smeeta Mary** Assistant Professor Department of MCA	:	Member

INFRASTRUCTURE AND FACILITIES LINK

YouTube Link:

https://youtu.be/ZoLT_CpSrww?si=LnmqFqNw61ryX1EH

Website Link:

https://fatimacollegemdu.org/facilities/

LIST OF FACILITIES AVAILABLE

- **Games and Sports Facilities**

Volley ball, Throw ball, Basket ball and 200m Running Tracks are available in our campus. Fatima Indoor Stadium also available for conducting yoga.

- **Extra – Curricular Activities**

MBA Department organised formal gathering among the students of I MBA and II MBA to share their views and ideas and also organised many competitions among students to improve their skills such as Presentation, Mock interview etc. Human Resources elective student gave a presentation on Do's and Don'ts of interview. Interview conducted gave a virtual environment of Interview panel. Students of II MBA understood the interview preparation. Students were educated on Do's and Don'ts of interview. Mock interview conducted gave students a interview environment.

- **Soft Skill Development Facilities**

The communication skill of the I MBA Students is assessed by the MBA Department to develop various activities and training programmes for the students. During this Academic Year Staff members from English Department, Fatima College (Autonomous), Madurai were invited and asked to give training to the students. He has sent his institute trainers to give training to the students on every Wednesday 2 to 4 pm in the college campus. The skill test has been conducted and based upon the result of the test students are grouped for training.

21. Sports Facility

VAST PLAYGROUND SUPPORTING OUTDOOR SPORTS

VOLLEYBALL COURT

HOCKEY FIELD

FOOTBALL COURT

KHO KHO COURT

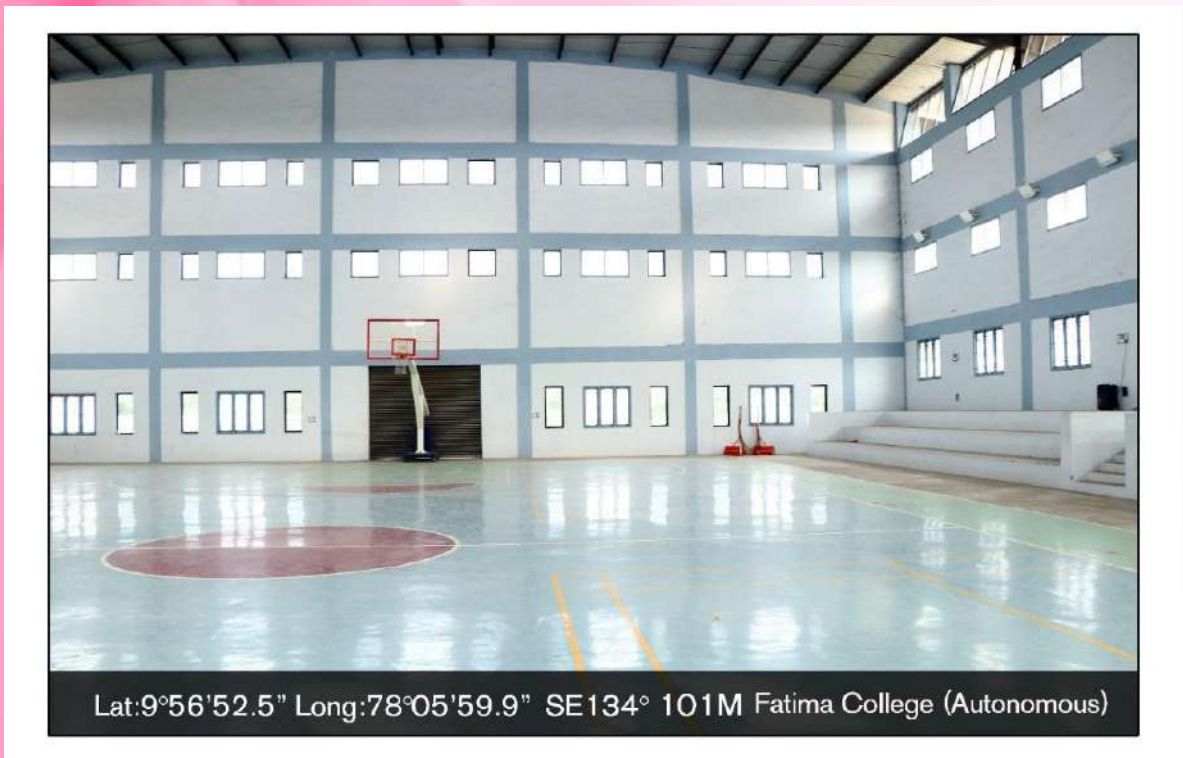
BASKET BALL COURT

SOFT BALL FIELD

INDOOR TABLE TENNIS

FRONT VIEW OF THE INDOOR STADIUM (*FONTBONNE* ARENA)

INTERIOR OF THE INDOOR STADIUM (USED FOR INDOOR GAMES & YOGA)



FATIMA COLLEGE (AUTONOMOUS)

MBA DEPARTMENT

SOFT SKILLS PROGRAMME REPORT – 2025 – 2026

The Soft Skills are developed among MBA students through various Management games, Hands on Trainings, Workshops and Programmes organised by the Faculty Members, MBA Department. These programmes are scheduled every week Friday during afternoon sessions regularly.

The objectives of these programmes are to develop effective communication skills (spoken and written), develop effective presentation skills, conduct effective business correspondence and prepare business reports which produce results.

The outcome of these programmes is to make the students to become self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills.

The activities are organised through various clubs composed by the students. The clubs are listed below:

- **Aptitude club :**
  Aptitude club is designed to determine an individual's skills on ability to succeed in a particular field. Aptitude tests are usually taken with the aim of identifying students' potential and it helps to understand the area of interest and strengths better.
- **Corporate club :**
  The corporate club helps to improve communication skills and decision making power. Because it makes the students confident, creative and develop a sense of purpose and it gives awareness regarding the business world.
- **Creativity club :**
  Creativity club encourages the participants in an enjoyment of running and racing at all distances. It helps to share participation training and coaching for running and racing. It helps to encourage good fellowship.
- **Current affairs club:**
  Current affairs club encourages the students to update in our day to day current affairs of Indian news, International news, Economy, Sports, Politics, Entertainment etc…
- **Readers club :**
  Readers club helps to create a love for reading in students and enable them to become better life long readers. It reflects on what they read in order to lead them to become effective writers and speakers. And also it helps to familiarize them with different texts and enable them to engage in appropriate reading strategies.

The activities conducted so far for the students are listed below:

- **Connection**

The game was conducted to inculcate logical, creativity and analytical skills in the minds of the students by linking two or more pictures to form a word related to the corporate world. By participating in this activity both the participant and the conductor of the game were able to acquire new jargons and the meaning behind them.

- **Brand Ambassador**

A brand ambassador is a person engaged by an organization or company to represent it as a brand in a positive light helping to increase brand awareness and sales.

- **General Quiz**

Questions related to mathematics and general questions were asked to students.. It improves or expands one's knowledge of things, either general or in specific areas. Quizzes are designed to promote a fun way to study and in the process help improve one's general knowledge study and in the process help improve one's general knowledge.

- **Picture quiz**

We have a picture quiz in Non - verbal form. It enables students to analyze and solve complex problems without relying upon or being limited by language skills. .

- **Guess the Slogan**

Slogans are an important part of the brand's identity. As a business administration student, we all must have knowledge about the slogans of different brands. Slogans or taglines of different companies or brands are shown on a slide show for which the students guess the answer. The purpose of this activity is to test the student's awareness about the company or brand and their slogans.

- **Guess the Brand**

Advertisements are the most effective way to draw attention to the company. Advertisements of different brands were played in audio form for which participants were asked to guess the brand's name. This activity enhances the knowledge and awareness of the brands and their taglines or slogans.

- **Name that Leader**

Slogans associated with famous leaders were displayed for which students were asked to guess the leader. The goal of this activity is to create awareness among the students about the different world leaders and their famous slogans which changed the world for the better.

- **Book reviews**

A concise content about the famous books, Biographies, Autobiographies, Award winning books and personality development books has been reviewed by the students.

- **Pictorial presentation**

The pictures of the National Monuments, Historical events, Architectures, Tourist spots, etc. will be exhibited to the students through PowerPoint presentation.

- **Young Entrepreneurs**

A demonstration about the successful young Entrepreneurs, women entrepreneurs, branding principles, struggles of start-ups, government supportive schemes, export promotion measures and guidelines to start a new entity are discussed in this activity.

- **Memory March Game**

A Memory test will be conducted among the students to induce their memory cells for example, 5 books and its author Name will be displayed & the person from the other Group should remember it within 30 seconds.

- **Alphabet Scavenger Hunt**

Alphabets will be written on a bit of paper and put down inside a bowl. A person from another group should come in front and take any one paper bit and the individual should frame the word of the Alphabet which she has taken.

- **Quantitative Assessment**

Quantitative assessment has been made using Solving the problems on blood relations, Problem on time and distance, How to perform an interview your live scenario, TNPSC TANCET RRB banking repeated questions from the reference of those books, Problems on ages, Sequence and series of numbers and words, Psychometric questions with hints, Logical reasoning question and Finding the problems related to compound interest and percentage

Photo Gallery

FATIMA COLLEGE (Autonomous)

DEPARTMENT OF MBA

COMMUNICATIVE SKILL DEVELOPMENT PROGRAMME (2024 – 2025)

Communication skill is considered as most important among the present generation of students.MBA Department along with the experts Mr. Prathap Sethu, Founder & Director, Win Win Consultancy, conducted a Communicative English Programme for about 35 sessions. The Programme focused on both oral and written communication in English. Various activities such as Presentation about one self, drafting a letter, Book review, management games, self awareness activities, etc. The main objective of this programme is to acquire the art of communication of MBA Students by developing their individual style of effective communication. The sessions were scheduled from October 2024 to December 2024 for the I MBA Students with the total strength of 88. The outcome of this programme is to develop the 7Cs among the students. The 7Cs of Communication stands for –

- Clarity
- Conciseness
- Completeness
- Consideration
- Concreteness
- Correctness
- Courtesy

Upon its successful completion students have got the skills of listening, usage of words, assertiveness in ideas, own way of interpreting the messages, put their thoughts in their own spoken words, avoiding ambiguous words, deducting misunderstandings through good communication and to ar

rive a well discussed solution for an issue.

List of Participants – I MBA students

S.NO	Roll No.	STUDENTS NAME
1.	2024MBA01	Aaisha Nihad S
2.	2024MBA02	Aashifa Recshakana S
3.	2024MBA03	Afrah Mehek J
4.	2024MBA04	Agusta Jerlyn P
5.	2024MBA05	Amirtha Varshini M
6.	2024MBA06	Amrutha K S
7.	2024MBA07	Anancia Janet A
8.	2024MBA08	Aparna A
9.	2024MBA09	Asmitha K S
10.	2024MBA10	Aswatha M
11.	2024MBA11	Aysara Naginin N
12.	2024MBA12	Baby Saarone X
13.	2024MBA13	Caroline Fabinaa N
14.	2024MBA14	Chandralekha R
15.	2024MBA15	Deepika G
16.	2024MBA16	Divya B
17.	2024MBA17	Divya Bharathi M
18.	2024MBA18	Durgadevi B R
19.	2024MBA19	Enshalatta A
20.	2024MBA20	Evangelin Vincy V
21.	2024MBA21	Francis Tensy S
22.	2024MBA22	Gayathri C
23.	2024MBA23	Gayathri R
24.	2024MBA24	Harini M
25.	2024MBA25	Harini V

S.NO	Roll No.	STUDENTS NAME
26.	2024MBA26	Harinilaxmi M
27.	2024MBA27	Haritha L
28.	2024MBA28	Hema Purani M G
29.	2024MBA29	Iruthaya Nancy V
30.	2024MBA30	Jebira M
31.	2024MBA31	Jeshica SR
32.	2024MBA32	Jeslin M
33.	2024MBA33	Joshna T
34.	2024MBA34	Joyce Infancia A
35.	2024MBA35	Kayalvizhi D
36.	2024MBA36	Keerthana V
37.	2024MBA37	Kiruthikkaa M
38.	2024MBA38	Lavanya A
39.	2024MBA39	Lavanya K
40.	2024MBA40	Lavanya V
41.	2024MBA41	Mymoon Samrin S
42.	2024MBA42	Naga Muhilini T
43.	2024MBA43	Nagadevi S
44.	2024MBA44	Nithila Dharshini R
45.	2024MBA45	Nithila M
46.	2024MBA46	Nivethitha R
47.	2024MBA47	Pandi Meena M
48.	2024MBA48	Pavithra R
49.	2024MBA49	Piyarena Gilbert S
50.	2024MBA50	Premalatha M
51.	2024MBA51	Priya Dharshini J

S.NO	Roll No.	STUDENTS NAME
52.	2024MBA52	Pujitha T K
53.	2024MBA53	Rajeshwari R
54.	2024MBA54	Reema Sufrin M
55.	2024MBA55	Reethigha R
56.	2024MBA56	Remi Jasmine S
57.	2024MBA57	Sakthi Devi R
58.	2024MBA58	Samitha P
59.	2024MBA59	Santhiya Alias Aswini G
60.	2024MBA60	Santhiya J
61.	2024MBA61	Santhiya M
62.	2024MBA62	Santhiya R
63.	2024MBA63	Saranya L
64.	2024MBA64	Saraswathi Devi S
65.	2024MBA65	Saumiya P
66.	2024MBA66	Selciya Mary J
67.	2024MBA67	Selva Inisha T
68.	2024MBA68	Shalini D
69.	2024MBA69	Sharmilaa P
70.	2024MBA70	Sharmitha R
71.	2024MBA71	Sharon Joselin S
72.	2024MBA72	Sivaranjana V
73.	2024MBA73	Soni Jagruti Vikas
74.	2024MBA74	Sowmiya M
75.	2024MBA75	Sri Dharshini M
76.	2024MBA76	Sriharini T S
77.	2024MBA77	Srikanitha C

S.NO	Roll No.	STUDENTS NAME
78.	2024MBA78	Srimathi S
79.	2024MBA79	Srinithi G P
80.	2024MBA80	Suba Shree R
81.	2024MBA81	Subbulakshmi G
82.	2024MBA82	Sujaa S
83.	2024MBA83	Swathi V
84.	2024MBA84	Thiyana Salha H
85.	2024MBA85	Vaishnavi Dhanaji Shinde
86.	2024MBA86	Veereshwari S
87.	2024MBA87	Viveka P
88.	2024MBA88	Yogadharshini R

FATIMA COLLEGE (Autonomous)

DEPARTMENT OF MCA

COMMUNICATIVE ENGLISH PROGRAMME – I MCA (2023 – 2024)

Total Number of Hours: 35

Number of Participants: 60 Students

Date of Programme: 14.08.2023 – 05.10.2023

Names of the Speakers:

1. Mr. Prathap Sethu, Founder & Director, Win Win Consultancy, Madurai.
2. Ms. Thenmozhi, Trainer, Win Win Consultancy, Madurai.

Objectives :

- To increase moral of students in English language and remove fear of speaking English language.
- Personality Enhancement.
- To boost communication among students, students and faculties in English language.

Outcome:

Students will be able to

- Understand the importance English language in effective communication.
- Effectively communicate in English language.

REPORT

A Communicative English Programme was offered for newly admitted first year MCA students to encourage young engineers to learn and explore the spoken English skill in order to enhance their communication skill. Good English is not only classy but a possibility to continue studies and specializations in the best universities in the world, which are in fact, in countries where they speak English. Education is very important to improve yourself but learning English also improves the quality of life. The benefits they bring in the life of a person's knowledge of the English Language are countless. What is important to understand is that the English language is able to knock down a lot of

barriers, including cultural ones. The Programme includes theory and practical session in which students are given topic and invited for discussion at the desk to motivate and encourage others.

Students are also asked to participate in games specially designed by expert to enhance their English language vocabulary. The speakers provided guidance regarding topics like how to enhance vocabulary in English language, how to find good literature to read, importance of English writing to learn about language and motivated students to increase their command over English speaking and removed stage fear while speaking English.

Participants List

S. No.	Reg. No.	Student Name
1.	2023MCA01	AARTHI M
2.	2023MCA02	ABARAJITHA M
3.	2023MCA03	ABITHA J
4.	2023MCA04	AKSHAYA G
5.	2023MCA05	ANITHA S
6.	2023MCA06	ANNE COLLET A
7.	2023MCA07	ANTO ANUSHA A
8.	2023MCA08	BALASAKTHI V
9.	2023MCA09	DHAARANI R
10.	2023MCA10	DHANUSHYA N
11.	2023MCA11	DHARSHINI N
12.	2023MCA12	DURGA DEVI G
13.	2023MCA13	DURGA DEVI S
14.	2023MCA14	EBINESA R
15.	2023MCA15	GAYATHRIDEVI S
16.	2023MCA16	HEMA H
17.	2023MCA17	IMRANA PARVEEN A
18.	2023MCA18	ISWARIYA N
19.	2023MCA19	JAYA JASHWANTHINI R K
20.	2023MCA20	JAYA SRI P
21.	2023MCA21	JAYAHARINI . S
22.	2023MCA22	JENIFER BEHULA J
23.	2023MCA23	KAUSHALYA T.J
24.	2023MCA24	KEERTHANA V
25.	2023MCA25	KIRUTHIKA R
26.	2023MCA26	KRITTIKA R

S. No.	Reg. No.	Student Name
27.	2023MCA27	LAVANYA DEVI S
28.	2023MCA28	MAHALAKSHMI S
29.	2023MCA29	MAHESWARI M
30.	2023MCA30	MANIBHARATHI M
31.	2023MCA31	MARIA BLESSIA A
32.	2023MCA32	MARIA VINCY J
33.	2023MCA33	MITHRA MATHESWARI C R
34.	2023MCA34	MUKIL ARASI .G
35.	2023MCA35	NAGASRI R
36.	2023MCA36	NANDHANA RATHNA S
37.	2023MCA37	NANDHINI .B
38.	2023MCA38	NASREEN SULTHANA N
39.	2023MCA39	PAVITHRA P (20/12/2002)
40.	2023MCA40	PAVITHRA P (16/12/2003)
41.	2023MCA41	PETRICIA A
42.	2023MCA42	POORNIMA .A
43.	2023MCA43	PRAGATHEESHA. M
44.	2023MCA44	PRIYADHARSHINI K
45.	2023MCA45	PRIYADHARSHINI R (14/07/2003)
46.	2023MCA46	PRIYADHARSHINI R (11/08/2003)
47.	2023MCA47	RAJA LAKSHMI M
48.	2023MCA48	RAVEENA S
49.	2023MCA49	RIDHA NAJIHA .S
50.	2023MCA50	SRIKRISHNABALA B
51.	2023MCA51	SRUTHIKA T
52.	2023MCA52	SUBITHA B
53.	2023MCA53	SUNMATHY S
54.	2023MCA54	SWATHI M
55.	2023MCA55	SWETHAA S
56.	2023MCA56	THARSHINI R
57.	2023MCA57	THENMOZHI N
58.	2023MCA58	THILOTTHAMMA C K
59.	2023MCA59	VAISHALI R
60.	2023MCA60	VINMALAR A

MCA DEPARTMENT

SOFT SKILLS PROGRAMME REPORT – 2023 – 2024

MCA Department develops Soft Skills among MCA students by providing various soft skills training in every semester in the syllabus to develop skills for producing high quality etiquettes.

Soft skills are valuable set of skills needed to accomplish various job requirements. To bridge the gap between requirements of the industry and the skills of the students, soft skills development training is organized for MCA students. It aims at inculcating and building upon the basic soft skills that are required by every student while appearing for the recruitment process or higher education.

The objectives of these programmes are to develop effective spoken and written communication skills, to develop emotional sensitivity, to enhance their employability quotient and to establish a stronger connect with the technical environment in which they operate, to impart the importance of Interpersonal skills in the working environment

.

The outcome of these programmes is to make the students to become self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills.

The Soft Skill courses that are inculcated in the Syllabus are listed below:

SEMESTER I - 20MCA108
SOFT SKILLS I – PROFESSIONAL COMMUNICATION
TOPICS

1. Elements of Communication.
    a. The importance of communication through English.
    b. Factors that influence communication.
    c. Verbal and Non Verbal Communication.
    d. Business Communication.
2. Review of English Grammar.
3. Pronunciation Practice.
4. The Sounds of English.
5. Reading and Writing Skills.

SEMESTER I - 20MCA207
SOFT SKILL II – APTITUDE TRAINING
TOPICS

SECTION 1 – ARITHMETIC ABILITY

1. Problems on Numbers
2. Problems on Ages
3. Time and Work
4. Time and Distance
5. Simple Interest
6. Permutation and Combination
7. Odd Man Out & Series

SECTION 2- REASONING

1. Logical Sequence of words
2. Blood Relations Test
3. Series Completion
4. Mirror Images.

SECTION 3- APTITUDE QUESTIONS ON

1. Computer Networks
2. RDBMS
3. Operating Systems
4. Data Structures
5. Object Oriented Programming

SEMESTER III - 20MCA308
SOFT SKILL III – INTERPERSONAL SKILLS FOR CORPORATE READINESS
TOPICS

UNIT- I Simulating an Interview

Telephone Interviews

a. How to dress
b. Body language
c. Case Interview

UNIT – II Team Skills Development

a. Quick plan exercise
b. Group connections activity
c. Coded team communication activity
d. Personality tree exercise
e. Management and leadership training

UNIT – III Time Management Skills

a. Individual Target achievement activity
b. Group Target activity

FATIMA COLLEGE (Autonomous)

DEPARTMENT OF MCA

COMMUNICATIVE ENGLISH PROGRAMME – I MCA (2024 – 2025)

Total Number of Hours: 35

Number of Participants: 57 Students

Date of Programme: 11.09.2024 – 29.11.2024

Names of the Speakers:

1. Mr. Prathap Sethu, Founder & Director, Win Win Consultancy, Madurai.

2. Ms. Thenmozhi, Trainer, Win Win Consultancy, Madurai.

3.Dr.B.Poornima Sethupathi., Assistant Professor, Dept of History, Fatima College, Madurai

Objectives :

- To increase moral of students in English language and remove fear of speaking English language.
- Personality Enhancement.
- To boost communication among students, students and faculties in English language.

Outcome:

Students will be able to

- Understand the importance English language in effective communication.
- Effectively communicate in English language.

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A Communicative English Programme was offered for newly admitted first year MCA students to encourage young engineers to learn and explore the spoken English skill in order to enhance their communication skill. Good English is not only classy but a possibility to continue studies and specializations in the best universities in the world, which are in fact, in countries where they speak English. Education is very important to improve yourself but learning English also improves the quality of life. The benefits they

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Participants List

S.No	ROLLNO	STUDENTNAME
1	2024MCA01	AMIRTHAVARSHINI K
2	2024MCA02	ANGALA ESUWARI S
3	2024MCA03	ASNA J
4	2024MCA04	BHUVANESWARI A
5	2024MCA05	BRINDHA A
6	2024MCA06	DANUJA SREE S
7	2024MCA07	DARSHANA S R
8	2024MCA08	ESTHER SILVIYA S
9	2024MCA09	FARJANA J
10	2024MCA10	FRIEDA RENEE CHANDRA A
11	2024MCA11	GAYATHRI B
12	2024MCA12	GAYATHRI S
13	2024MCA13	HARINI R
14	2024MCA14	HARINI S J
15	2024MCA15	INAYATH FARHA S R
16	2024MCA16	INDUJA P T
17	2024MCA17	JERLIN JOSHI A

18	2024MCA18	KARTHIGA P
19	2024MCA19	KAVINYASHREE G
20	2024MCA20	KAVYA A
21	2024MCA21	KEERTHANA B
22	2024MCA22	KIRUBA JOYCE X
23	2024MCA23	KOWSALYA DEVI B
24	2024MCA24	KOWSALYA T K
25	2024MCA25	LINGA SNEHA M
26	2024MCA26	MAHALAKSHMI P
27	2024MCA27	MAHESHWARI S
28	2024MCA28	NAGAKESHIKA G
29	2024MCA29	NAGA PRATHIPA M
30	2024MCA30	NARMADHADEVI M
31	2024MCA31	NASREEN NILOPHER J
32	2024MCA32	NISHASHREE D
33	2024MCA33	POORVAJA S
34	2024MCA34	PRAKASHA DEEPIKA I
35	2024MCA35	PRINCY J
36	2024MCA36	PUNITHA G
37	2024MCA37	RATHNA T
38	2024MCA38	RUBASHREE S
39	2024MCA39	SADHANA B
40	2024MCA40	SANTHANAMARI M
41	2024MCA41	SHALINI V
42	2024MCA42	SHOBIKA M
43	2024MCA43	SHRINIDHI V
44	2024MCA44	SINDHU M
45	2024MCA45	SIVA SAKTHI H
46	2024MCA46	SIVASHREE D
47	2024MCA47	SONIYA I
48	2024MCA48	SUBHA SRI B

49	2024MCA49	SUPRAJA R
50	2024MCA50	SUVETHA G
51	2024MCA51	SWATHI ALIAS RAJALAKSHMI G
52	2024MCA52	SWETHA R
53	2024MCA53	SYEDALI FATHIMA S
54	2024MCA54	UMMU SAFRAN I
55	2024MCA55	VAISHNAVI M
56	2024MCA56	VARSHA M S
57	2024MCA57	VIVEKA J

FATIMA COLLEGE (AUTONOMOUS)

MCA DEPARTMENT

SOFT SKILLS PROGRAMME REPORT – 2024 – 2025

MCA Department develops Soft Skills among MCA students by providing various soft skills training in every semester in the syllabus to develop skills for producing high quality etiquettes.

Soft skills are valuable set of skills needed to accomplish various job requirements. To bridge the gap between requirements of the industry and the skills of the students, soft skills development training is organized for MCA students. It aims at inculcating and building upon the basic soft skills that are required by every student while appearing for the recruitment process or higher education.

The objectives of these programmes are to develop effective spoken and written communication skills, to develop emotional sensitivity, to enhance their employability quotient and to establish a stronger connect with the technical environment in which they operate, to impart the importance of Interpersonal skills in the working environment

.

The outcome of these programmes is to make the students to become self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills.

The Soft Skill courses that are inculcated in the Syllabus are listed below:

SEMESTER I - 20MCA108
SOFT SKILLS I – PROFESSIONAL COMMUNICATION
TOPICS

6. Elements of Communication.
    e. The importance of communication through English.
    f. Factors that influence communication.
    g. Verbal and Non Verbal Communication.
    h. Business Communication.
7. Review of English Grammar.
8. Pronunciation Practice.
9. The Sounds of English.
10. Reading and Writing Skills.

SEMESTER I - 20MCA207
SOFT SKILL II – APTITUDE TRAINING
TOPICS

SECTION 1 – ARITHMETIC ABILITY

8. Problems on Numbers
9. Problems on Ages
10. Time and Work
11. Time and Distance
12. Simple Interest
13. Permutation and Combination
14. Odd Man Out & Series

SECTION 2- REASONING

5. Logical Sequence of words
6. Blood Relations Test
7. Series Completion
8. Mirror Images.

SECTION 3- APTITUDE QUESTIONS ON

6. Computer Networks
7. RDBMS
8. Operating Systems
9. Data Structures
10. Object Oriented Programming

SEMESTER III - 20MCA308
SOFT SKILL III – INTERPERSONAL SKILLS FOR CORPORATE READINESS
TOPICS

UNIT- I Simulating an Interview

Telephone Interviews

d. How to dress
e. Body language
f. Case Interview

UNIT – II Team Skills Development

f. Quick plan exercise
g. Group connections activity
h. Coded team communication activity
i. Personality tree exercise
j. Management and leadership training

UNIT – III Time Management Skills

c. Individual Target achievement activity
d. Group Target activity

FATIMA COLLEGE (AUTONOMOUS)

Re-accredited with "A++" Grade by NAAC (Cycle - IV)

Mary Land, Madurai- 625 018, Tamil Nadu, India

NAME OF THE DEPARTMENT: MBA DEPARTMENT

NAME OF THE PROGRAMME : MBA

PROGRAMME CODE : MBA

ACADEMIC YEAR : 2024-2025

VISION OF THE DEPARTMENT

Empowering Women to become Academic, Corporate, Entrepreneurial and Social Leaders.

MISSION OF THE DEPARTMENT

- To empower Women with Quality and value based Global Standard Curriculum.
- To equip the students with immense Knowledge, Professional skills and expertise to bridge the gap between the Academic and Corporate.
- To inculcate entrepreneurial skills in the minds of the students to become successful Entrepreneurs.
- To educate the students to be socially responsible future leaders.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

A graduate of MBAProgramme after five years will be

PEO 1	Our graduates will be academic, digital and information literates, creative, inquisitive, innovative and committed researchers who would be desirous for the "more" in all aspects
PEO 2	They will be efficient individual and team performers who would deliver excellent professional service exhibiting progress, flexibility, transparency, accountability and in taking up initiatives in their professional work
PEO 3	The graduates will be effective managers of all sorts of real – life and professional circumstances, making ethical decisions, pursuing excellence within the time framework and demonstrating apt leadership skills
PEO 4	They will engage locally and globally evincing social and environmental stewardship demonstrating civic responsibilities and employing right skills at the right moment.

GRADUATE ATTRIBUTES (GA)

Fatima College empowers her women graduates holistically. A Fatimite achieves all-round empowerment by acquiring Social, Professional and Ethical competencies. A graduate would sustain and nurture the following attributes:

I. SOCIAL COMPETENCE	
GA 1	Deep disciplinary expertise with a wide range of academic and digital literacy
GA 2	Hone creativity, passion for innovation and aspire excellence
GA 3	Enthusiasm towards emancipation and empowerment of humanity
GA 4	Potentials of being independent
GA 5	Intellectual competence and inquisitiveness with problem solving abilities befitting the field of research
GA 6	Effectiveness in different forms of communications to be employed in personal and professional environments through varied platforms
GA 7	Communicative competence with civic, professional and cyber dignity and decorum
GA 8	Integrity respecting the diversity and pluralism in societies, cultures and religions
GA 9	All – inclusive skill sets to interpret, analyse and solve social and environmental issues in diverse environments
GA 10	Self awareness that would enable them to recognise their uniqueness through continuous self-assessment in order to face and make changes building on their strengths and improving their weaknesses
GA 11	Finesse to co-operate exhibiting team-spirit while working in groups to achieve goals
GA 12	Dexterity in self-management to control their selves in attaining the kind of life that they dream for

GA 13	Resilience to rise up instantly from their intimidating setbacks
GA 14	Virtuosity to use their personal and intellectual autonomy in being life-long learners
GA 15	Digital learning and research attributes
GA 16	Cyber security competence reflecting compassion, care and concern towards the marginalised
GA 17	Rectitude to use digital technology reflecting civic and social responsibilities in local, national and global scenario
II. PROFESSIONAL COMPETENCE	
GA 18	Optimism, flexibility and diligence that would make them professionally competent
GA 19	Prowess to be successful entrepreuners and become employees of trans-national societies
GA 20	Excellence in Local and Global Job Markets
GA 21	Effectiveness in Time Management
GA 22	Efficiency in taking up Initiatives
GA 23	Eagerness to deliver excellent service
GA 24	Managerial Skills to Identify, Commend and tap Potentials
III. ETHICAL COMPETENCE	
GA 25	Integrity and be disciplined in bringing stability leading a systematic life promoting good human behaviour to build better society
GA 26	Honesty in words and deeds
GA 27	Transparency revealing one's own character as well as self-esteem to lead a genuine and authentic life
GA 28	Social and Environmental Stewardship
GA 29	Readiness to make ethical decisions consistently from the galore of conflicting choices paying heed to their conscience

GA 30	Right life skills at the right moment

PROGRAMME OUTCOMES (PO)

On completion (after two years) of MBA Programme, the students are able to

PO 1	Assess and synchronise the information on business environment and enhance the skills for grabbing the business opportunities
PO 2	Demonstrate the awareness on the current scenario of business and enrich the ability to connect their impacts on Global business trends
PO 3	Develop the creative and innovative techniques in management of Men, Materials, Money and Man power in an organisation along with cross cultural and diversified commonalities
PO 4	Summarize the theories and thoughts of leadership, communication, strategic decision making and motivation to make a platform in formulation of crisis management skills
PO 5	Synthesize and articulate the team development and group decision making skills along with employee empowerment through strong industrial relations

PROGRAMME SPECIFIC OUTCOMES (PSO)

On completion (after two years) of MBA Programme, the students are able to

PSO 1	Impart the students with practical knowledge about all the concepts with the objective of developing them as managers of business entities
PSO 2	Assist the students in developing their knowledge to acquire sound decision making skills, leadership traits, crisis management capability and resources utilisation optimality

PSO 3	Provide a strong foundation for analytical thinking and application of technologies in business and in its various functional areas
PSO 4	Appraise the skills of the students through internship programmes, projects and in-plant training to develop their professionalism in their career
PSO 5	Sketch out the students with expectancy in foundation courses and functional courses in their first year and with areas of specialisation by streamlining their interest towards various aspects of business in the second year

FATIMA COLLEGE (AUTONOMOUS), MADURAI-18

DEPARTMENT OF MBA

For those who joined in June 2019 onwards

MAJOR CORE – 115 CREDITS

PROGRAMME CODE: MBA

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	EXE Mks	TOT. MKs
SEMESTER – I						
19MBA101	Management Principles and Practice	4	4	50	50	100
19MBA102	Management Accounting	4	4	50	50	100
19MBA103	Digital Management	4	4	50	50	100
19MBA104	Managerial Economics	4	4	50	50	100
19MBA105	Organizational Behaviour	4	4	50	50	100
19MBA106	Quantitative Techniques	4	4	50	50	100
19MBA107	Executive Communication	2	2	25	25	50
19MBA108	Comprehensive Viva	-	1	-	50	50
Total		**26**	**27**			**700**

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	EXE Mks	TOT. MKs
SEMESTER – II						
19MBA201	Production & Operations Management	4	4	50	50	100
19MBA202	Human Resource Management	4	4	50	50	100
19MBA203	Marketing Management	4	4	50	50	100
19MBA204	Financial Management	4	4	50	50	100
19MBA205	Management Information System	4	4	50	50	100
19MBA206	Business Research	4	4	50	50	100
19MBA207	Managerial Skills	2	2	25	25	50
19MBA208	Comprehensive Viva		1	-	50	50
Total		**26**	**27**			**700**

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
SEMESTER – III						
19MBA301	Strategic Management	4	4	50	50	100
19MBA302	Entrepreneurship	4	4	50	50	100
Electives (any Three of the following functional area courses) 3*5 =15						
Marketing Area:						
19MBA303A	Marketing Research	5	5	50	50	100
19MBA303B	Advertising Management	5	5	50	50	100
19MBA303C	Sales and Distribution Management	5	5	50	50	100
19MBA303D	Customer Relationship Management	5	5	50	50	100
19MBA303E	Brand Management	5	5	50	50	100
19MBA303F	Digital Marketing	5	5	50	50	100
System Area:						
19MBA304A	E-Commerce	5	5	50	50	100
19MBA304B	Introduction to GUI & Visual Basic	5	5	50	50	100
19MBA304C	Enterprise Resource Planning	5	5	50	50	100
19MBA304D	Knowledge Management	5	5	50	50	100
Finance Area:						
19MBA305A	Project Financing	5	5	50	50	100

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
19MBA305B	Strategic Financial Management	5	5	50	50	100
19MBA305C	Fundamentals of Insurance Management	5	5	50	50	100
19MBA305D	Banking and Financial Institutions	5	5	50	50	100
19MBA305E	Derivatives & Markets	5	5	50	50	100
HR Area:						
19MBA306A	Total Quality in Human Resource	5	5	50	50	100
19MBA306B	Advanced Industrial Relations	5	5	50	50	100
19MBA306C	Training & Development	5	5	50	50	100
19MBA306D	Labour Legislation	5	5	50	50	100
19MBA306E	Strategic Human Resource Management	5	5	50	50	100
19MBA306F	Career Management	5	5	50	50	100
Production and Operations Area:						
19MBA307A	Total Quality Management	5	5	50	50	100
19MBA307B	Materials Management	5	5	50	50	100
19MBA307C	Advanced Manufacturing System	5	5	50	50	100
Hospital Management:						
19MBA308A	Hospital Administration	5	5	50	50	100
19MBA308B	Health Insurance	5	5	50	50	100
19MBA308C	Hospital Accounting and Finance	5	5	50	50	100

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
International Business Management:						
19MBA309A	International Financial Management	5	5	50	50	100
19MBA309B	Logistics and Supply Chain Management	5	5	50	50	100
19MBA309C	Import Procedures and Documentation	5	5	50	50	100
24MBA309D	International Business Laws	5	5	50	50	100
19MBA310	Live Project	3	4	50	50	100
19MBA311	Business Ethics	2	2	25	25	50
19MBA312	Summer Training / Project	-	4	50	50	100
19MBA313	Comprehensive Viva	-	1	-	50	50
Total		**28**	**34**			**800**

SEMESTER – IV						
19MBA401	International Business Management	4	4	50	50	100
Electives (any Two of the following functional area courses)					**2*5 =10**	
Marketing Area:						
19MBA402A	Rural Marketing	5	5	50	50	100
19MBA402B	Services Marketing	5	5	50	50	100
19MBA402C	Consumer Behaviour	5	5	50	50	100
19MBA402D	Retail Management	5	5	50	50	100
System Area:						
19MBA403A	Relational Database Management System & Oracle	5	5	50	50	100
19MBA403B	Internet & Java Programming	5	5	50	50	100
19MBA403C	Computer Networks	5	5	50	50	100
Finance Area:						
19MBA404A	Security Analysis and Portfolio Management	5	5	50	50	100
19MBA404B	Management of Financial Services	5	5	50	50	100
19MBA404C	Mergers & Acquisitions	5	5	50	50	100
23MBA404D	Behavioural Finance	5	5	50	50	100
HR Area:						
19MBA405A	Industrial Psychology & Counselling	5	5	50	50	100
19MBA405B	Human Resource	5	5	50	50	100

	Accounting and Audit					
19MBA405C	Management Consultancy	5	5	50	50	100
19MBA405D	Disaster Management	5	5	50	50	100
19MBA405E	Human Resource Information System	5	5	50	50	100
Production and Operations Area:						
19MBA406A	Value Engineering & Waste Control	5	5	50	50	100
19MBA406B	Production Planning & Control	5	5	50	50	100
19MBA406C	Project Management	5	5	50	50	100
Hospital Management:						
19MBA407A	Hospital Services Management	5	5	50	50	100
19MBA407B	Quality Management in Hospital	5	5	50	50	100
19MBA407C	Marketing of Hospital Services	5	5	50	50	100
International Business Management:						
19MBA408A	International Marketing	5	5	50	50	100
19MBA408B	Export Finance & Documentation	5	5	50	50	100
19MBA408C	International Human Resource Management	5	5	50	50	100
24MBA408D	Reverse And Contract Logistics	5	5	50	50	100
19MBA409	Dissertation	5	5	50	50	100
19MBA410	Managerial Environment	2	2	25	25	50
19MBA411	Project Report & Viva Voce	-	5	100	100	200

19MBA412	Comprehensive Viva	-	1	-	50	50
Total		**21**	**27**			**700**

S.NO	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
1	21MBAVA01	Interpersonal Skills	Purely Skill – Embedded Certificate Course	2	1
2	21MBA2SL	Career Management	Interdisciplinary	5	5
3	21MBA4SL	Human Resource Information System	Interdisciplinary	5	5

S.NO.	COURSE CODE	VALUE-ADDED COURSES	DURATION OF COURSE
1	19PGVAMBA1	Corporate Etiquettes	30 hours
2	19PGVAMBA2	Disaster Management	30 hours
3	24PGVAMBA3	Counselling & Guidance	30 hours

- **Summer Internship:**
  - Duration-1 month (2nd Week of May to 2nd week of June-before college reopens)
- **Project (19MBA411)**
  - Off class
  - Evaluation components - Rubrics for Project

Subject Code: 19MBA411 – PROJECT REPORT & VIVA-VOCE

INTERNAL (100 Marks)					
S.No	**Research design C1**	**Interphase I / Presentation C2**	**Interphase II / Presentation C3**	**Internal thesis evaluation C4**	**Internal viva C5**
1	20 Marks	20 Marks	20 Marks	20 Marks	20 Marks

EXTERNAL (100 Marks)

Thesis Evaluation	External Viva-Voce
50 Marks	50 Marks

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA101	Management Principles and Practice	Major Core	4	4

COURSE DESCRIPTION

This course focuses on the management principles, functions and various other elements of management. In this course the functions of managers, their roles and responsibilities along with organisational structure are insisted to make the students understand better to run a business successfully.

COURSE OBJECTIVES

To imbibe the knowledge of basic principles of management and to help the students in developing an integrated approach to management of various activities in an organisation

UNITS

UNIT I: PLANNING [12 HRS]

Definition — Managerial Skills – Functions of Management – Managerial roles – Qualities. Evolution of Management thought – Scientific Management – F.W.Taylor, Classical Organization theory – Henry Fayol, Human relation movement – Hawthorne Experiments, System approach. Meaning and Importance of Global and Comparative Management - Planning: Nature of planning – Types of plans – Steps in planning- MBO process. Decision making – Steps involved in decision making.

UNIT II: ORGANIZING **[12 HRS]**

Meaning, Nature, and Purpose - Concept of Organization Structure – Mechanistic organization structure – meaning and features. Departmentation – Types of Departmentation - Line and staff Function – Delegation and Decentralization- Factors determining the degree of delegation - Staffing - Concept of staffing - Factors affecting staffing- Sources of recruitment – Selection process

UNIT III: LEADING **[12 HRS]**

Meaning –Function of leading - Leadership styles -trait theory – Behavioral theory – Ohio – Michigan studies – Managerial Grid – Contingency theories – Fiedler contingency Model – LPC Score – Path goal theory – Situation leadership of Hersey and Blanchard –Charismatic Leadership theory.

UNIT 1V: COMMUNICATION **[12 HRS]**

Meaning- Process of Communication – Methods of Communication -Barriers of Communication – Essentials of making effective communication – Steps for making communication effective.

UNIT V: CONTROLLING **[12 HRS]**

Concept of Controlling – Steps – Types of control –Essentials of effective control system- Control techniques (Operational, Financial and Inventory control techniques) – Management by Exception

SELF STUDY

Path goal theory, Essentials of making effective communication

TEXT BOOK

Koontz, Harold, Principles of Management, New Delhi: Tata Mc-Graw Hill Education Pvt. Ltd., 2004.

REFERENCE BOOKS

1. Prasad, Lallan. Management Principles and Practices. New Delhi: S. Chand & Company Ltd, 1995. Drucker, Peter, F., The Practice of Management, London: Butterworth Heinnemann, 1955.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.pdfdrive.com/principles-of-management-e34316162.html
2. https://www.researchgate.net/publication/332110813_Principles_Practices_of_Management
3. https://www.tutorialspoint.com/management_principles/management_principles_tutorial.pdf
4. http://nraomtr.blogspot.com/2011/12/global-and-comparative-management.html
5. https://slideplayer.com/slide/8913887/
6. https://www.mbaknol.com/management-principles/mechanistic-organizational-structure/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**PLANNING**			
1.1	Definition — Managerial Skills – Functions of Management	1	Lecture	PPT & White board
1.2	Managerial roles – Qualities	1	Flipped Learning	Online/ E-Content/ Text Books

1.3	Evolution of Management thought – Scientific Management – F.W.Taylor,	1	Lecture	Smart Board
1.4	Classical Organization theory, Henry Fayol, Human relation movement – Hawthorne Experiments,	3	Chalk & Talk	Black Board
1.5	System approach - Meaning and Importance of Global and Comparative Management	2	Chalk &Talk	Black Board
1.6	Planning: Nature of planning	2	Discussion	Google classroom
1.7	Types of plans – Steps in planning.	2	Discussion	Black Board
1.8	MBO process	1	Discussion	Black Board
1.9	Decision making – Steps involved in decision making.	2	Lecture	PPT & White board
UNIT -2	**ORGANIZING**			
2.1	Meaning, Nature, and Purpose	1	Lecture	Green Board Charts
2.2	Concept of Organization Structure - Mechanistic organization structure – meaning and features	1	Blended Learning	Online/ E-Content/ Text Books
2.3	Departmentation – Types of Departmentation	1	Discussion	Google classroom
2.4	Line and staff Function	3	Lecture	PPT & White board
2.5	Delegation and Decentralization-Factors determining the degree of delegation. Staffing	3	Lecture	Smart Board
2.6	Concept of staffing - Factors affecting staffing	3	Discussion	Black Board

2.7	Sources of recruitment.	1	Lecture	Black Board
2.8	Selection process	1	Discussion	Google classroom
UNIT -3	**LEADING**			
3.1	Meaning –Function of leading	3	Lecture	Green Board Charts
3.2	Leadership styles -trait theory	3	Chalk & Talk	Green Board
3.3	Behavioral theory – Ohio – Michigan studies	3	Lecture	PPT & White board
3.4	Managerial Grid –,Procedure Advantages and limitation	3	Lecture	Smart Board
3.5	Contingency theories – Fiedler contingency Model	2	Lecture	PPT & White board
3.6	LPC Score – Path goal theory	2	Lecture	Smart Board
3.7	Situation leadership of Hersey and Blanchard	2	Lecture	Black Board
3.8	Charismatic Leadership theory	1	Discussion	Google classroom
UNIT -4	**COMMUNICATION**			
4.1	Meaning- Process of Communication	3	Lecture	Green Board Charts
4.2	Methods of Communication	3	Chalk & Talk	Green Board
4.3	Barriers of Communication	3	Lecture	PPT & White board
4.4	Essentials of making effective communication	3	Lecture	Smart Board
4.5	Steps for making communication effective	3	Discussion	Google classroom
UNIT -5	**CONTROLLING**			
5.1	Concept of Controlling –	2	Lecture	Green Board Charts

	Steps			
5.2	Types of control	2	Chalk & Talk	Green Board
5.3	Essentials of effective control system	3	Chalk & Talk	Green Board
5.4	Control techniques (Operational, Financial and Inventory control techniques)	2	Lecture	PPT & White board
5.5	Management by Exception	3	Discussion	Google classroom

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	Total of W1 & W2 5+5=10 Mks.	Average of M1+M2 10 Mks	MID-SEM TEST 15 Mks	Once in a Semester 10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	5	-	5	2.5	12.5		12.5	25%
K3	-	5	-	5	10		10	20%
K4	-	5	5	2.5	12.5		12.5	25%
K5	5	-	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	-	10	10	15	10	5	50	100 %

CIA

Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Frame out the functions of management and evaluation of management thought.	K2	PSO1
CO 2	Sketch out the types of organisation structure along with delegation of authority and strategy	K2, K3	PSO2
CO 3	Asses the various types of leadership styles and theories.	K2, K4	PSO3
CO 4	Emphasis on process of communication and its types.	K2, K3, K4	PSO4
CO 5	Focus on the controlling techniques and its application in management.	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. **Staff Name: Dr. R. Suganya**

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA102	Management Accounting	Major Core	4	4

COURSE DESCRIPTION

Students in this course will develop the essential ability of all managers to use complex accounting information as a platform for decision making. Students will build a certain sophisticated level of understanding of the language of accounting and its concepts.

COURSE OBJECTIVES

The purpose of this course is to provide knowledge of financial, cost and management accounting to enable the students to understand the financial statement and reports

UNITS

UNIT I: INTRODUCTION [12 HRS]

Meaning and definitions Management Accounting-Functions and Qualities of a Management Accountant- Financial Statements : Financial accounting Principles – Concepts and Conventions – Accounts classifications – Preparation of Journal Entry, Ledger and Trial Balance — Preparation of Trading and Profit & Loss Account, Balance Sheet, Depreciation:Definition of Depreciation –Characteristics of Depreciation-Causes of Depreciation -Methods of depreciation-Calculation of Straight Line and Written Down Value methods of Depreciation

UNIT II: FUNDAMENTAL OF COST ACCOUNTING [12 HRS]

Introduction to Cost Accounting – Basic cost concepts – Elements of cost – Classification of costs – Methods and Techniques of Costing Cost volume profit Analysis:

Profit/Volume ratio – Break-Even Analysis - Graphic method of BEA - Margin of Safety - Concepts of Predictive Accounting and Behavioural Cost Management

UNIT III: MARGINAL COSTING [12 HRS]

Marginal costing – Assumptions- Managerial Applications of Marginal Costing as follows: Make/Buy/Subcontract, Sell/process further, Adding/Dropping of product, product lines, Closing Down of divisions and choosing product mix, Determination of economic price of raw materials, Capital investment decisions.

UNIT IV: RATIO ANALYSIS: [12 HRS]

Meaning and Concept of Ratio Analysis - Significance of Ratio Analysis - Classification of Ratios: Liquidity, Leverage, Turnover and Profitability ratios – application of Ratio analysis in business – preparation of balance sheet from Ratios.

UNIT V: BUDGETARY CONTROL [12 HRS]

Budgeting – a systematic approach to Profit Planning - Meaning and Objectives of Budgetary Control – Requisites for a successful Budgetary Control System - Essentials of Budgetary Control – Determination of Key factor – Budgeting vs. forecasting – Classification of Budgets – Preparation of Various Budgets – Cash budget, flexible budget, sales budget, production budget and master budget. Zero-Base budgeting

SELF STUDY:

Basic cost concepts, Zero-Base budgeting

TEXT BOOK:

1. Gupta, Shashi.K, Sharma R.K, Financial Management – Theory And Practice, New Delhi, Kalyani Publishers, 2010.

REFERENCE BOOKS:

1. Maheswari, S N., Financial Accounting for Managers., New Delhi: Vikas Publishing House Pvt Ltd, 1998.
2. Maheswari, S N., Principles of Management Accounting., New Delhi: Sultan Chand & Sons, 2001.

3. Colin Drury., Management and Cost Accounting. - 6th ed., Australia: Thomson, 2004.
4. Anthony, Robert, N. and James S Reece, Accounting Principles., Delhi: All Indian Traveller Book, 2004.
5. Reddy, T S. and Hari Prasad Reddy.Y, Financial and Management Accounting, Chennai: Margham Publications, 2001.
6. Nigam, B M Lall. And Sharma, G L, Theory and Techniques of Cost Accounting. --6th ed., Bombay: Himalaya Publishing House, 2000.
7. Jain, S. P. and Narang.K.L., Cost Accounting., Ludhiana: Kalyani Publishers, 2002.,
8. Khan M, Y. and Jain P.K., Management Accounting --4th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2007.
9. Maheswari, S N., Principles of Cost Accounting., New Delhi: Sultan Chand & Sons, 2003.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.freebookcentre.net/business-books-download/Management-Accounting.html
2. https://www.icsi.edu/media/webmodules/publications/FULL_BOOK_PP-CMA-2017-JULY_4.pdf
3. https://www.researchgate.net/publication/344155211_Introduction_to_Management_Accounting
4. http://www.valuecreationgroup.com/predictive_accounting_article.html
5. https://www.industryweek.com/finance/article/22007251/top-7-trends-in-enterprise-performance-management

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Meaning and definitions Management Accounting-Functions and Qualities of a Management	3	Chalk & Talk	Black Board

	Accountant			
1.2	Financial accounting Principles – Concepts and Conventions , Accounts classifications	3	Chalk & Talk	LCD
1.3	Preparation of Journal Entry, Ledger and Trial Balance	3	Lecture	PPT & White board
1.4	Preparation of Trading and Profit & Loss Account, Balance Sheet	3	Lecture	Smart Board
1.5	Definition of Depreciation – Characteristics of Depreciation- Causes of Depreciation	2	Discussion	Google classroom
1.6	Methods of depreciation-Calculation of Straight Line and Written Down Value methods of Depreciation	2	Discussion	Black Board
UNIT -2	**FUNDAMENTAL OF COST ACCOUNTING**			
2.1	Introduction to Cost Accounting	2	Lecture	Green Board Charts
2.2	Basic cost concepts	2	Chalk & Talk	Green Board
2.3	Elements of cost	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
2.4	Classification of costs – Methods and Techniques of Costing	2	Chalk & Talk	LCD
2.5	Cost volume profit Analysis: Profit/Volume ratio	3	PPT	LCD
2.6	Break-Even Analysis - Graphic method of BEA - Margin of Safety	2	Discussion	Black Board
2.7	Concepts of Predictive Accounting	1	Chalk and	Black Board

	and Behavioural Cost Management		Talk	
UNIT -3	**MARGINAL COSTING**			
3.1	Marginal costing – Assumptions-Managerial Applications of Marginal Costing	1	Discussion	Google classroom
3.2	Make/Buy/Subcontract, Sell/process further, Adding/Dropping of product	3	Chalk & Talk	Black Board
3.3	Product lines, Closing Down of divisions and choosing product mix	2	Chalk & Talk	LCD
3.4	Determination of economic price of raw materials, Capital investment decisions.	3	Lecture	Smart Board
UNIT -4	**INTEGRATION**			
4.1	Meaning and Concept of Ratio Analysis - Significance of Ratio Analysis	3	Chalk & Talk	LCD
4.2	Classification of Ratios: Liquidity, Leverage, Turnover and Profitability ratios	3	PPT	LCD
4.3	Application of Ratio analysis in business	1	Flipped Learning	Online/ E-Content/ Text Books /Materials
4.4	Preparation of balance sheet from Ratios.	2	Chalk & Talk	Black Board
UNIT -5	**BUDGETARY CONTROL**			
5.1	Budgeting – a systematic approach to Profit Planning	2	Chalk & Talk	Black Board
5.2	Meaning and Objectives of Budgetary Control – Requisites for a successful Budgetary Control System	2	PPT	LCD

5.3	Essentials of Budgetary Control – Determination of Key factor	2	Chalk & Talk	Black Board
5.4	Budgeting vs. forecasting – Classification of Budgets	2	PPT	LCD
5.5	Preparation of Various Budgets – Cash budget, flexible budget, sales budget, production budget and master budget. Zero-Base budgeting.	2	Discussion	Google classroom

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45

Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of management accounting and understand the different types of depreciation.	K2	PSO1
CO 2	Demonstrate the elements of cost and compute break-even print.	K2, K3	PSO2
CO 3	Analyse the managerial application of marginal costing.	K2, K4	PSO3
CO 4	Discuss the significance of ration analysis and compute difference type's ratio.	K2, K3, K4	PSO4
CO 5	Assess the requisites for a successful budgetary control system and compute different types of budget.	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

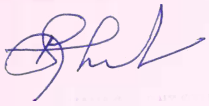
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr.N.Asha

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA103	Digital Management	Major Core	4	4

COURSE DESCRIPTION

This course equips the students with skills for the effective use of office automation systems. This helps the participants to construct and analyse databases.

COURSE OBJECTIVES

To familiarise the applications of MS office and e-business models

UNITS

UNIT I: INTRODUCTION [12 HRS]

Introduction to computers – Classification of Computers – Anatomy of a Digital Computer – Input Devices – Output Devices – Primary & secondary storage devices – Operating systems – Types of computer software- Introduction to Internet & WWW, Intranets – Electronic mail,

UNIT II: OFFICE AUTOMATION SOFTWARE – MS-OFFICE [12 HRS]

Basics of MS-Word, MS-Excel and MS-PowerPoint-Application of these software's for documentation and making reports, preparation of presentation, creating tables, forms and reports. Measuring with formulas & function in Excel.

UNIT III: DATABASE MANAGEMENT SYSTEM [12 HRS]

Database management system-types of data-organizing Data in a Database-Database design-Data base design phases-Data Flow approach-Advantages of Data Flow approach-Communication networks-developments in transmission-communications media-computer networks-wireless transmission, Data Mart – Meaning and benefits

UNIT IV: ERP [12 HRS]

Introduction – ERP – An overview –Benefits of ERP – ERP and related Technologies – Business Process Reengineering - Data warehousing - Data Mining – Online analytical Processing – Supply Chain Management – Criteria in the selection of ERP packages.

UNIT V: E-BUSINESS **[12 HRS]**

Definition-Types of e-business and related industry-growth of e-business-e-business environment-market places business market-types of business models- -brokerage model-aggregator model-digital signatures-encryption-advertising model-subscription model-affiliate model- framework for analyzing e-business models.

SELF STUDY :

Basics of MS-Word, Classification of Computers.

TEXT BOOK :

1. Leon, Alexis, Fundamentals of Information Technology., New Delhi: Galgotia Publications Ltd, 1999.

REFERENCE BOOKS:

1. Leon, Alexis, Internet for Everyone, New Delhi: Vikas Publishing House Pvt Ltd, 1998.
2. Saxena, Sanjay, Ms-Office2000 for Everyone, New Delhi: Vikas Publishing House Pvt Ltd, 2005.
3. P.T.Joseph, Sanjay Mohapatra, Management Information Systems in Knowledge Economy. PHI Publications, 2009
4. Leon, Alexis, Introduction to ERP, Tata McGraw Hill Publishers, 2009
5. Colin Combe, Introduction to E-business Management and Strategy, Butterworth-Heinemann Publishers, 2010

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/307583503_The_Impact_of_the_Digital_World_on_Management_and_Marketing
2. https://www.dbooks.org/media-and-digital-management-3319720007/
3. https://www.pdfdrive.com/digital-business-and-e-commerce-management-strategy-implementation-and-practice-e181134696.html
4. https://www.oracle.com/in/autonomous-database/what-is-data-mart/
5. https://www.erpfocus.com/ten-essential-erp-selection-criteria-2640.html

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction to computers, Classification of Computers	3	Chalk & Talk	Black Board
1.2	Anatomy of a Digital Computer, Input Devices & Output Devices	2	Chalk & Talk	LCD
1.3	Primary & secondary storage devices	2	Lecture	PPT & White board
1.4	Operating systems,Types of computer software	2	Lecture	Smart Board
1.5	Introduction to Internet & WWW	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Intranets, Electronic mail	1	Discussion	Google classroom
UNIT -2	**OFFICE AUTOMATION SOFTWARE – MS-OFFICE**			
2.1	Basics of MS-Word, MS-Excel and	2	Lecture	Green Board Charts
2.2	and MS-PowerPoint-Application of these software's for documentation and making reports,	2	Chalk & Talk	Green Board
2.3	Preparation of presentation	3	PPT	LCD
2.4	Creating tables, forms and reports.	3	PPT	LCD
2.5	Measuring with formulas & function in Excel.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**DATABASE MANAGEMENT SYSTEM**			

3.1	Database management system-types of data-organizing Data in a Database-Database design	4	Lecture	PPT & White board
3.2	Data base design phases-Data Flow approach-Advantages of Data Flow approach-	4	Lecture	PPT & White board
3.3	Communication networks-developments in transmission-communications media-computer networks-wireless transmission - Data Mart – Meaning and benefits	4	Chalk & Talk	Black Board
UNIT -4 ERP				
4.1	Introduction – ERP – An overview	2	Discussion	Black Board
4.2	Benefits of ERP – ERP and related Technologies	2	Chalk & Talk	Black Board
4.3	Business Process Reengineering	2	Lecture	PPT & White board
4.4	Data warehousing - Data Mining	3	Lecture	PPT & White board
4.5	Online analytical Processing	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
4.6	Supply Chain Management - Criteria in the selection of ERP packages	2	Discussion	Black Board
UNIT 5 E - BUSINESS				
5.1	Definition-Types of e-business and related industry	1	Discussion	Black Board
5.2	Growth of e-business-e-business environment	3	Chalk & Talk	Black Board
5.3	Market places business market-	2	Lecture	PPT & White

	types of business models			board
5.4	Brokerage model-aggregator model-digital signatures	3	Lecture	PPT & White board
5.5	Encryption, advertising model, subscription model, model, framework for analyzing e-business models.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Discuss the evolution, classification of computers.	K2	PSO1
CO 2	Analyse the applications of MS-Word MS-Excel and PowerPoint.	K2, K3	PSO2
CO 3	Assess the concept of database management system and communication network.	K2, K4	PSO3
CO 4	Outline Enterprise resource planning and its types.	K2, K3	PSO4
CO 5	Evaluate various E-Business models.	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3

CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA104	Managerial Economics	Major Core	4	4

COURSE DESCRIPTION

This course combines micro and macro economics and its application in businesses. It also exposes students to the fundamental economic concepts. This course also aims at providing an overview of the circular flow of National income and its concepts.

COURSE OBJECTIVES

This Course enables to impart the basic macro and macroeconomic concepts.

UNITS

UNIT I : NATURE AND SCOPE OF MANAGERIAL ECONOMICS [12 HRS]

Nature and scope of Managerial Economics – Relationship with other subjects – Role of Managerial Economist Fundamental Concepts – Incremental concept – Time Perspective – Discounting principle – Opportunity cost – Equi Marginal Principle.

UNIT II : DEMAND ANALYSIS & COST ANALYSIS [12 HRS]

Demand analysis – Meaning- Definition for Demand- Law of Demand– Determinants of Demand– Types of Demand – Elasticity of demand – Price – Income and cross elasticity's. Applications of Price Elasticity and Income Elasticity in Business. Demand forecasting Methods of forecasting – Indifference curve analysis. Economies of scale- meaning – Internal Economies & External Economies of Scale

UNIT III: PRICING DECISION [12 HRS]

Introduction to Pricing - Pricing Methods - Market structure – Perfect competition – Meaning- Characteristic Feature, Pure Monopoly- Meaning- Characteristic Feature

& Monopolistic competition- Meaning- Characteristic Feature Price determination in perfect competition- Price determination in Monopoly- Price determination in Monopolistic Competition Theories of Profit – Hawley's Risk theory – Knight's Uncertainty bearing theory- Dynamic theory of profit- Schumpeter's Innovation theory – Marginal productivity theory of profit.

UNIT IV: NATIONAL INCOME [12 HRS]

Meaning & Definition of National Income, The Circular flow of National Income - Concepts of National Income, Measurement of National Income – Difficulties in the measurement of National Income- Factors determining National Income

UNIT V: MACRO ECONOMIC CONCEPTS [12 HRS]

Business Cycle- Characteristics of Business Cycle- Phases of Business Cycle – Inflation & Deflation- Characteristics of Inflation & Deflation- Types of Inflation – Effects of Inflation & Deflation- Anti Inflationary Measures.

SELF STUDY

Opportunity cost, Difficulties in the measurement of National Income- Factors determining National Income.

TEXT BOOK

Sankaran, S. Managerial Economics. Chennai: Margham Publications, 2008

REFERENCE BOOKS

1. Varshney, R L. and Maheswari, K L, Managerial Economics. --1st ed. New Delhi: Sultan Chand & Sons, 2006.
2. Subramanian, M S.Managerial Economics. --5th ed. New Delhi: Galgotia Publications Ltd, 2000.
3. Dwivedi, DN.Managerial Economics. --5th ed. New Delhi: Vikas Publications House Pvt Ltd, 2000.
4. Gupta, G S.Managerial Economics. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2006.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.opentextbooks.org.hk/system/files/export/15/15497/pdf/Principles_of_Managerial_Economics_15497.pdf
2. https://www.tutorialspoint.com/managerial_economics/managerial_economics_tutorial.pdf

3. https://www.sxccal.edu/wp-content/uploads/2020/01/MBA-ManagerialEconomics-1stYear.pdf
4. https://www.economicsdiscussion.net/elasticity-of-demand/practical-applications-of-price-elasticity-of-demand/3515

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**NATURE AND SCOPE OF MANAGERIAL ECONOMICS**			
1.1	Nature and scope of Managerial Economics	1	Chalk & Talk	Black Board
1.2	Relationship with other subjects	1	Chalk & Talk	LCD
1.3	Role of Managerial Economist	2	Lecture	PPT & White board
1.4	Fundamental Concepts – Incremental concept	1	Lecture	Smart Board
1.5	Time Perspective and Discounting principle	4	Lecture	Black Board
1.6	Equi Marginal Principle.	3	Lecture	Black Board
1.7	Opportunity cost	-	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**DEMAND ANALYSIS & COST ANALYSIS**			
2.1	Demand analysis & Law of Demand	2	Lecture	Green Board Charts
2.2	Determinants of Demand & Types of Demand	2	Chalk & Talk	Green Board
2.3	Elasticity of demand & its types like Price , Income and cross	2	Flipped Learning	E- Content

	elasticities.			
2.4	Applications of Price Elasticity and Income Elasticity in Business	1	Lecture	PPT & White board
2.6	Demand forecasting Methods of forecasting	2	Blended Learning	Online/ Field visit
2.7	Indifference curve analysis.	1	Lecture	PPT & White board
2.8	Economies of scale- meaning – Internal Economies & External Economies of Scale.	2	Lecture	Smart Board
UNIT -3 PRICING DECISION				
3.1	Introduction to Pricing - Pricing Methods	1	Lecture	Green Board Charts
3.2	Market structure & its types	1	Chalk & Talk	Green Board
3.3	Perfect competition – Meaning, Characteristic Feature & Price determination	2	Flipped Learning	E- Content
3.4	Pure Monopoly- – Meaning, Characteristic Feature & Price determination	1	Blended Learning	Online/ Field visit
3.5	Monopolistic competition- – Meaning, Characteristic Feature & Price determination	2	Lecture	PPT & White board
3.6	Theories of Profit- Hawley's Risk theory , Knight's Uncertainty bearing theory , Dynamic theory of profit	2	Lecture	Black board Board
3.7	Schumpeter's Innovation theory & Marginal productivity theory of profit.	3	Lecture	Black Board
UNIT -4 NATIONAL INCOME				
4.1	National Income- Introduction	3	Blended	Online/ Field visit

			Learning	
4.2	The Circular flow of National Income	3	Lecture	PPT & White board
4.3	Concepts of National Income	3	Lecture	Smart Board
4.4	Measurement of National Income	3	Lecture	Black Board
4.5	Difficulties in the measurement of National Income	2	Chalk & Talk	Black Board
4.6	Factors determining National Income.	2	Discussion	Black Board
UNIT -5	**MACRO ECONOMIC CONCEPTS**			
5.1	Business Cycle- Characteristics of Business Cycle	2	Lecture	Green Board Charts
5.2	Phases of Business Cycle	3	Chalk & Talk	Green Board
5.3	Inflation & Deflation- features & Types	2	Flipped Learning	E- Content
5.4	Effects of Inflation & Deflation	3	Blended Learning	Online/ Field visit
5.5	Anti Inflationary Measures	2	Lecture	PPT & White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%

K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	**-**	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	**-**	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Sketch the fundamental economic concepts.	K2	PSO1
CO 2	Analyse demand and its determinants and to know the economics of scale.	K2, K3	PSO2
CO 3	Assess the pricing methods in various Market structure and to get an idea over the theories of profits.	K2, K4	PSO3
CO 4	Demonstrate the circular flow of National Income and its concept.	K2, K3, K4	PSO4
CO 5	Discuss the phase of Business cycle and analyse the effects of inflation and deflation	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

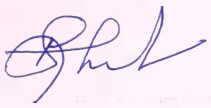
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B.Jayanthi

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA105	Organizational Behaviour	Major Core	4	4

COURSE DESCRIPTION

This course is designed to provide students with fundamental understanding of the history and development of organisational behaviour, theories and concepts.

COURSE OBJECTIVES

This course is to provide an understanding about individual and group behavioural process in the organisational context and apply such knowledge in dealing with issues of individual interpersonal or group behaviour in organisation

UNITS

UNIT I : INTRODUCTION TO ORGANIZATIONAL BEHAVIOR [12 HRS]

OB Definition and meaning – fundamental concepts – scope – contributing disciplines –various approaches to organizational behavior - Perception –Perceptual process – Factors influencing perception - perceptual errors- Selective perception, Halo effect, Contrast effect – Projection – Stereotyping – Grouping – Figure and ground – attribution errors, closure, proximity.

UNIT II : PERSONALITY [12 HRS]

Personality determinants – Heredity, Environment, situation –Psychoanalytic Theory – Type theories- Trait theory., Major personality attributes that influences Organizational Behaviour – Locus of control, Achievement orientation – Authoritarianism – Machiavellianism – self esteem – self – monitoring – Risk taking - Different psychological types – Introvert - extrovert.

UNIT III: LEARNING & ATTITUDE [12 HRS]

Concept – Meaning – Classical conditioning – Operant conditioning –Learning theories - Social learning theories – Reinforcement., ATTITUDE – functions of attitude – barriers to change in attitude – cognitive dissonance – Attitudinal change.

UNIT IV : GROUP DYNAMICS [12 HRS]

Nature of groups- types – theories of group formation- reasons for formation of groups -group cohesiveness – factors influencing group cohesiveness– Motivation – theories - Hierarchy of needs theory – ERG theory- McClelland's theory- Two factor theory – equity theory –Vroom's valence expectancy-Porter and Lawler theory-theory X and Y.

UNIT V: CONFLICT MANAGEMENT [12 HRS]

Conflicts – functional – dysfunctional – Stages of conflicts – Intra individual conflict, Inter personal or Inter individual conflict – Inter group conflicts – Resolving conflicts – Stress – Causes – coping strategies for stress- yoga, meditation, physical exercises and relaxation techniques - Organisational Dynamics

SELF STUDY:

Factors influencing perception, coping strategies for stress- yoga, meditation, physical exercises and relaxation techniques

TEXT BOOK:

1. Organizational Behavior -Fred Luthans, Tata Mc-Graw Hill Education Pvt Ltd., New Delhi, 9th edition.

REFERENCE BOOKS:

1. Organizational Behavior. Stephen Robbins, Prentice Hall of India Pvt Ltd, New Delhi, 1st edition.
2. Organisational Behaviour: Text and Cases, Uma Sekaran, Tata Mc-Graw Hill Education Pvt Ltd., New Delhi.
3. Organisatioal Behaviour, L .M Prasad, Chand & Sons, New Delhi.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.tutorialspoint.com/organizational_behavior/organizational_behavior_tutorial.pdf
2. http://www.tmv.edu.in/pdf/Distance_education/BCA%20Books/BCA%20VI%20SEM/BCA-629%20OB.pdf
3. https://www.geektonight.com/organisational-behaviour-notes-pdf/
4. https://www.marketing91.com/organizational-dynamics/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT –I INTRODUCTION TO ORGANIZATIONAL BEHAVIOR				
1.1	OB Definition and meaning – fundamental concepts	1	Chalk & Talk	Black Board
1.2	Scope – contributing disciplines – various approaches to organizational behaviour	1	Chalk & Talk	LCD
1.3	Perception –Perceptual process	2	Lecture	PPT & White board
1.4	Factors influencing perception	1	Lecture	Smart Board
1.5	Perceptual errors, Selective perception, Halo effect, Contrast effect	1	Lecture	Black Board
1.6	Projection – Stereotyping – Grouping – Figure and ground	1	Discussion	Google classroom
1.7	Attribution errors, closure, proximity	2	Lecture	Black Board
UNIT -2 PERSONALITY				

2.1	Personality determinants – Heredity, Environment, situation	1	Lecture	Green Board Charts
2.2	Psychoanalytic Theory	2	Chalk & Talk	Green Board
2.3	Type theories- Trait theory.,	2	Flipped Learning	E- Content
2.4	Major personality attributes that influences Organizational Behaviour – Locus of control, Achievement orientation	2	Blended Learning	Online/ Field visit
2.5	Authoritarianism – Machiavellianism – self esteem – self – monitoring	2	Lecture	PPT & White board
2.6	Risk taking - Different psychological types – Introvert - extrovert.	1	Lecture	Smart Board
UNIT -3	**LEARNING & ATTITUDE**			
3.1	Concept – Meaning – Classical conditioning – Operant conditioning	3	Lecture	Green Board Charts
3.2	Learning theories - Social learning theories – Reinforcement	3	Chalk & Talk	Green Board
3.3	ATTITUDE – functions of attitude – barriers to change in attitude	3	Lecture	PPT & White board
3.4	Cognitive dissonance – Attitudinal change.	3	Lecture	Smart Board
UNIT -4	**GROUP DYNAMICS**			
4.1	Nature of groups- types – theories of group formation- reasons for formation of groups	3	Blended Learning	Online/ Field visit

4.2	Group cohesiveness – factors influencing group cohesiveness– Motivation –theories	2	Lecture	PPT &White board
4.3	Hierarchy of needs theory – ERG theory- McClelland's theory- Two factor theory	2	Lecture	Smart Board
4.4	Equity theory –Vroom's valence expectancy-Porter and Lawler theory-theory X and Y.	2	Lecture	Black Board
UNIT -5	**CONFLICT MANAGEMENT**			
5.1	Conflicts – functional – dysfunctional	2	Lecture	Green Board Charts
5.2	Stages of conflicts – Intra individual conflict, Inter personal or Inter individual conflict	2	Chalk & Talk	Green Board
5.3	Inter group conflicts – Resolving conflicts	2	Flipped Learning	E- Content
5.4	Stress – Causes – coping strategies for stress	3	Blended Learning	Online/ Field visit
5.5	Yoga, meditation, physical exercises and relaxation techniques	2	Lecture	PPT & White board
5.6	Organisational Dynamics	1	Lecture	PPT

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	

K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of organisational behaviour and understand the different types of perception.	K2	PSO1
CO 2	Demonstrate the concept of personality and discuss the different types leadership theories.	K2,K3	PSO2
CO 3	Discuss the different type of assess the functions of attitude.	K2,K4	PSO3
CO 4	Analyze the group dynamics and discuss the different type of motivation theories.	K2,K3	PSO4
CO 5	Assess the different stages of conflicts and stress management mechanism in the organisation.	K2,K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. P.Shyamala

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA106	Quantitative Techniques	Major Core	4	4

COURSE DESCRIPTION

The course introduces the application of Operations Research concepts to the Management decision-making. The course enables the learners to enrich their quantitative analytical skills.

COURSE OBJECTIVES

This course is intended to enrich the quantitative analytical skills and enable application of OR techniques in corporate decision making

UNITS

UNIT I: MATRIX [12 HRS]

Matrix: Conversion of data Statement form into matrix form – inverse of a matrix– solutions of equations by inverse method, cramer's rule, Gauss – Jordan method

UNIT II: LINEAR PROGRAMMING PROBLEM [12 HRS]

Operations Research – Definition, Characteristics, Modelling, Phases, Scope, Limitations, Importance of Operations Research in Decision-making Process. Mathematical formulation of LPP – Product mix, Portfolio mix, Media mix. Graphical solution method – Bounded & Unbounded solution, Problems with all less than, all greater than and mixed constraints, infeasible solution

UNIT III: TRANSPORTATION PROBLEM [12 HRS]

Transportation model: Getting Initial Basic Feasible Solution (IBFS) using NWCM, LCM, VAM methods – Balanced & Unbalanced problems - MODI method – Degeneracy – Looping - Unbalanced transportation problem – Maximization TP – Alternative optimal solution – Prohibited transportation routes.

UNIT IV: ASSIGNMENT PROBLEM [12 HRS]

Assignment problem – meaning, solution methods of assignment problem – minimization a.p. – hungarian method for solving assignment problem – balanced & unbalanced a.p. – conversion of maximization a.p into minimization a.p. – multiple optimal solutions – restrictions on assignment

UNIT V: GAME THEORY [12 HRS]

Game Theory: Maximin-minimax principle – Strategy – Pure, Mixed strategies – pay – off with saddle point and without saddle points – Graphical method – Dominance Principle.

SELF STUDY

Importance of Operations Research in Decision-making Process

TEXT BOOK

1. Gupta, P K., Problems in Operations Research (methods and Solutions) / P K Gupta and Man Mohan New Delhi: Sultan Chand & Sons, 2007.

REFERENCE BOOKS:

1. Sharma, J K., Operations Research. --3rd ed., Delhi: Macmillan Company of India Ltd, 1997.
2. Doerr, Alan. Applied Discrete Structures for Computer Science. New Delhi: Galgotia Publications Ltd, 2000.
3. Taha, Hamdy A.Operations Research: on Introduction. --5th ed.New Delhi: Prentice Hall of India Pvt Ltd, 1995.
4. Hiller, Frederick, S., Operations Research / Frederick, S Hiller and Gerald J Lieberman. --8th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2005.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://gtumbanotes.files.wordpress.com/2011/06/quantitative-techniques-for-management.pdf
2. https://www.freebookcentre.net/business-books-download/Quantitative-Techniques-For-Business.html
3. https://www.researchgate.net/publication/333686800_Applications_of_Quantitative_Techniques_in_Decision_Making_of_Business_Organisation

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**MATRIX**			
1.1	Matrix: Conversion of data Statement form into matrix form Significance	5	Lecture	LCD
1.2	Inverse of a matrix	7	Blended learning	Google classroom
1.3	Solutions of equations by inverse method, Cramer's rule	4	Lecture	Black board
1.4	Gauss – Jordan method	3	Lecture & Peer-assisted learning	Black board, Materials
UNIT -2	**LINEAR PROGRAMMING PROBLEM**			
2.1	Operations Research – Definition, Characteristics, Modelling, Phases, Scope, Limitations, Importance of Operations Research in Decision-making Process	4	Lecture	LCD
2.2	Mathematical formulation of LPP – Product mix, Portfolio mix, Media mix	3	Blended learning	White board
2.3	Graphical solution method – Bounded & Unbounded solution	5	Lecture	White board

2.4	Problems with all less than, all greater than and mixed constraints, infeasible solution	4	Lecture	Black board
UNIT -3	**TRANSPORTATION PROBLEM**			
3.1	Transportation model: Getting Initial Basic Feasible Solution (IBFS) using NWCM, LCM, VAM methods – Balanced & Unbalanced problems - –	6	Lecture	White board
3.2	MODI method – Degeneracy – Looping - Unbalanced transportation problem	4	Lecture	LCD
3.3	Maximization TP – Alternative optimal solution – Prohibited transportation routes	2	Group discussion	Materials
UNIT -4	**ASSIGNMENT PROBLEM**			
4.1	Assignment problem – meaning, solution methods of assignment problem	2	Blended learning	White board
4.2	Minimization A.P. – hungarian method for solving assignment problem – balanced & unbalanced A.P	6	Problem-based learning	Smart board
4.3	Conversion of maximization a.p into minimization A.P. – multiple optimal solutions – restrictions on assignment	4	Lecture & Demonstration	LCD, Google classroom
UNIT -5	**GAME THEORY**			
5.1	Game Theory: Maximin-minimax principle	3	Lecture	LCD
5.2	Strategy – Pure, Mixed strategies – pay – off with saddle point and without	3	Demonstration	LCD

	saddle points			
5.3	Graphical method – Dominance Principle	3	Demonstration	White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

✓ **All the course outcomes are to be assessed in the various CIA components.**

✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Formulate business problems in matrix form	K2	PSO1

CO 2	Formulate LP model for Business decision making and compute optimal solutions	K2, K3	PSO2
CO 3	Plan optimal decisions for transportation problems	K2, K4	PSO3
CO 4	Design methods to solve assignment problems	K2, K3, K4	PSO4
CO 5	Apply strategies using game theory and analyse it for optimality criterion	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L.Meena

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature & Name

I MBA

SEMESTER –I

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA107	Executive Communication	Major Core	2	2

COURSE DESCRIPTION

The course serves to provide complete understanding of the communication skills of Executive managers. This practical course develops the required skills of managers in the workplace environment.

COURSE OBJECTIVES

The seminar course is designed to enhance the communication skills of executive managers.

UNITS

UNIT I: COMMUNICATION [5 HRS]

Importance of communication at workplace – barriers - communication network in organizations

UNIT II: NON-VERBAL COMMUNICATION [5 HRS]

Non verbal communication – misinterpretation and problems - barriers to observation, strategies for effective observation, non-verbal communication in a business context

UNIT III: ORAL COMMUNICATION [5 HRS]

Developing oral business communication skills: introduction, advantages of oral communication, oral business presentations

UNIT IV: CORPORATE COMMUNICATION [5 HRS]

Corporate communication – group discussions and interviews, attending job interviews.

UNIT V: WRITTEN COMMUNICATION [5 HRS]

Written communication: principles of business communication, types and techniques of business letters, preparation of c.v., resume and bio-data.

SELF STUDY:

Oral business presentations, principles of business communication

REFERENCE BOOKS:

1. Sharma, r c.,business correspondence and report writing / r c sharma and mohan krishna.,new delhi: tata mcgraw hill publishing company, 2002.
2. Rajendra pal.,essentials of business communication / rajendra pal, and j s korlahalli. New delhi: sultan chand & sons, 2008.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.slideshare.net/andreymiler8/executive-communication-skills-pdf
2. https://www.researchgate.net/publication/287260311_READINGS_ON_EXECUTIVE_COMMUNICATION_A_BIBLIOGRAPHY
3. https://www.manage.gov.in/studymaterial/EC.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**COMMUNICATION**			
1.1	Importance of communication at workplace – Barriers	3	Chalk & Talk	Black Board

1.2	Communication Network in Organizations	2	Chalk & Talk	LCD
UNIT -2	**NON-VERBAL COMMUNICATION**			
2.1	Non verbal communication – Misinterpretation and problems - Barriers to observation	3	Lecture	Green Board Charts
2.2	Strategies for Effective observation, Non-verbal communication in a Business Context	2	Chalk & Talk	Green Board
UNIT -3	**ORAL COMMUNICATION**			
3.1	Developing Oral Business Communication Skills: Introduction	3	Lecture	PPT & White board
3.2	Advantages of Oral Communication, Oral Business Presentations	2	Lecture	PPT & White board
UNIT -4	**CORPORATE COMMUNICATION**			
4.1	Corporate Communication – Group Discussions And Interviews	3	Discussion	Black Board
4.2	Attending Job Interviews	2	Chalk & Talk	Black Board
UNIT -5	**WRITTEN COMMUNICATION**			
5.1	Written Communication: Principles of Business Communication, Types and techniques of business letters	2	Discussion	Black Board
5.2	Preparation of C.V., Resume and Bio-data	3	Chalk & Talk	Black Board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%
K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	20
Non Scholastic	5
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
5	5	5	5	5	25	25	50

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify workplace communication network	K2	PSO1
CO 2	Apply strategies for effective Non-verbal communication in business	K2, K3	PSO2

	context		
CO 3	Develop oral business communication skills	K2, K4	PSO3
CO 4	Demonstrate corporate communication skills.	K2, K3, K4	PSO4
CO 5	Use principles of business communication for written communication	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. P.Shyamala

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA201	Production & Operations Management	Major Core	4	4

COURSE DESCRIPTION

This course examines the functional areas of production and operations management in the manufacturing industry.

COURSE OBJECTIVES

This course is aimed to provide an understanding of operation management concepts and its application in practice

UNITS

UNIT I: INTRODUCTION [12 HRS]

Meaning and Definition –Functions and Scope of Production Management– Production System - Types of production system – Continuous Manufacturing system – characteristics – Advantages and Disadvantages, Intermittent Manufacturing system – Characteristics – Advantages and Disadvantages, Custom

& Flexible Manufacturing system- Location- Meaning , Factors influencing location - Layout –Definition, Types of Layout , Features of Good Layout , Layout techniques - Material handling – Meaning and Types of Equipments.

UNIT II: INVENTORY SCHEDULING & CONTROL [12 HRS]

Economic order Quantity –Assumptions and Cost associated with EOQ- Inventory classification – ABC Analysis – Salient features – Advantages and disadvantages- VED – FSN – Objectives & Procedure - Just in time – concept , Elements & Implications

UNIT III: PRODUCTION SCHEDULING & CONTROL [12 HRS]

Routing – Definition , Procedure of Routing - Scheduling – Meaning , Objectives , Types of Schedules , Factors affecting Scheduling- Johnson's Algorithm – Gantt chart –Critical Path method – Program evaluation review technique –Concept – Procedure – Advantages and limitation

UNIT IV: WORK STUDY [12 HRS]

Meaning and Definition of Work Measurement – Objectives – Applications –Different techniques of Work Measurement – Time study – Meaning , Objectives - Predetermined motion study – Steps, Advantages and limitations - Analytical Estimating – Meaning , Characteristics- Work sampling concept – Procedure and Implication.

UNIT V: QUALITY CONTROL [12 HRS]

Statistical Quality control – Control charts – Mean – Range – Fraction Defective – Number of Defectives – Concept & Procedure. Emerging Trends in Production Management: TQM – Meaning, Process, Applications, ISO 9000-TPM – Definition, benefits – 5S – Meaning, Advantages - Six sigma – Meaning, Benefits - Failure mode effect analysis – Meaning.

SELF STUDY:

Scope of Production Management, ISO 9000.

TEXT BOOK:

1. Goel, B S.,Production and Operations Management: for Management andEngineering Students of Various Universities and Institutes. --1st ed., Meerut: Pragathi Prakashan, 2000.

REFERENCE BOOKS:

1.Chary, SN., Production and Operations Management. --2nd. New Delhi: Galgotia blications Ltd, 2000.

2.Buffa, Elwood, S., Modern Production/operations Management/Elwood, S Buffa and Rakesh K Sarin.--8th, New York: John Wiley and Sons, 2005.

3.Shridhara Bhat, Total Quality Management: Text and Cases., Bombay: Himalaya Publishing House, 2010.

4.Mohanty, R P., Tqm in the Service Sector / R P Mohanty and R R Lakh, Bombay: Jaico Books, 2002.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf
2. https://ddceutkal.ac.in/Syllabus/MBA-BOOK/Production-Operation-Management.pdf
3. http://www.missouricareereducation.org/doc/entrepreneur/ProdOpMngnt_InstrActivity2_IntroProdMngmnt.pdf
4. https://www.massgroup.com/types-manufacturing-systems/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**PRODUCTION AND OPERATIONS MANAGEMENT**			
1.1	Meaning and Definition, Functions of Production Management	1	Lecture	PPT & White board
1.2	Scope of Production Management	1	Flipped Learning	Online/ E-Content/ Text Books
1.3	Production System , Types of production system, Continuous, Characteristics Advantages and	1	Lecture	Smart Board

	Disadvantages			
1.4	Intermittent, Characteristics, Advantages and Disadvantages, Custom & Flexible manufacturing system	3	Chalk & Talk	Black Board
1.5	Location, Meaning , Factors influencing location	2	Chalk & Talk	Black Board
1.6	Layout ,Definition, Types of Layout , Features of Good Layout , Layout techniques	2	Discussion	Google classroom
1.7	Material handling, Meaning and Types of Equipments.	2	Discussion	Black Board
UNIT -2	**INVENTORY SCHEDULING & CONTROL**			
2.1	Economic order Quantity	1	Lecture	Green Board Charts
2.2	Assumptions and Cost associated with EOQ	1	Blended Learning	Online/ E-Content/ Text Books
2.3	Inventory classification , ABC Analysis , Salient features	1	Discussion	Google classroom
2.4	Advantages and disadvantages, VED	3	Lecture	PPT & White board
2.5	FSN , Objectives & Procedure	3	Lecture	Smart Board
2.6	Just in time , concept , Elements & Implications	3	Discussion	Black Board
UNIT -3	**PRODUCTION SCHEDULING & CONTROL**			
3.1	Routing , Definition , Procedure of	3	Lecture	Green

	Routing , Scheduling , Meaning and objectives			Board Charts
3.2	Types of Schedules , Factors affecting Scheduling, Johnson's Algorithm	3	Chalk & Talk	Green Board
3.3	Gantt chart ,Critical Path method	3	Lecture	PPT & White board
3.4	Program evaluation review technique ,Concept,Procedure Advantages and limitation	3	Lecture	Smart Board
UNIT -4	**WORK STUDY**			
4.1	Meaning and Definition of Work Measurement Objectives, Applications	3	Lecture	Green Board Charts
4.2	Different techniques of Work Measurement , Time study , Meaning , Objectives	3	Chalk & Talk	Green Board
4.3	Predetermined motion study, Steps, Advantages and limitations, Analytical Estimating, Meaning, Characteristics	3	Lecture	PPT & White board
4.4	Work sampling concept, Procedure and Implication.	3	Lecture	Smart Board
UNIT -5	**QUALITY CONTROL**			
5.1	Statistical Quality control, Control charts, Mean, Range Fraction Defective, Number of Defectives ,Concept & Procedure.	2	Lecture	Green Board Charts
5.2	Emerging Trends in Production Management: TQM Meaning, Process, Applications	2	Chalk & Talk	Green Board
5.3	ISO 9000-TPM, Definition, benefits	3	Chalk & Talk	Green Board

5.4	5S, Meaning, Advantages, Six sigma, Meaning,Benefits	2	Lecture	PPT
5.5	Failure mode effect analysis, Meaning.	3	Discussion	Google classroom

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL	PSOs

		(ACCORDING TO REVISED BLOOM'S TAXONOMY)	ADDRESSED
CO 1	Outline the concept of production management and discuss the different types of layout techniques.	K2	PSO1
CO 2	Compute EOQ and assess the inventory classification	K2, K3	PSO2
CO 3	Evaluate the production scheduling and control mechanism in the organisation	K2, K4	PSO3
CO 4	Discuss the techniques of work measurements and asses the work sampling procedures.	K2, K3, K4	PSO4
CO 5	Identify the quality control techniques and emerging trends in production management.	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3

CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA202	Human Resource Management	Major Core	4	4

COURSE DESCRIPTION

This course aims on providing a overview on the concept of HRM. It exposes students to how to manage people at work. It also covers concepts like manpower planning, recruitment, selection, training and development. It also examines the emerging trends in HRM.

COURSE OBJECTIVES

This course intends to familiarize with the dimensions, components & functions of HRM

UNITS

UNIT I: PROCUREMENT [12 HRS]

Introduction: Meaning and scope of Human Resource Management – Objectives and Functions of Human Resource Management- Manpower planning – Meaning, Functions & Process

UNIT II: DEVELOPMENT [12 HRS]

Performance Appraisal: Purpose of Performance Appraisal - Process of Appraisal - Appraisal Methods –Traditional & Modern, Training & Development: Importance of

Training & Development - Methods of Operative Training – On-the Job, off-the job training – Knowledge Management – meaning, Key components, and benefits.

UNIT III: COMPENSATION [12 HRS]

Job Evaluation Techniques: Principles of Job Evaluation - Methods of Job Evaluation. Wage &Salary Administration: Factors influencing Wage & Salary Administration - Wage & Salary Fixation, Incentives: Monetary and Non–monetary Incentives – Current trends in Compensation.

UNIT IV: INTEGRATION [12 HRS.]

Trade Union: Functions & Role of Trade union - Collective Bargaining: Concept and process of collective Bargaining - Collective bargaining in Indian Industry Introduction to important acts of Indian labor laws: Factories act- workmen's compensation act- employees state insurance act and payment of bonus act

UNIT V: MAINTENANCE [12 HRS]

Grievance Handling: Causes of Grievance - Grievance handling procedure Discipline: Objective of Discipline - Indiscipline of Misconduct - Procedure for disciplinary action. Counselling: Concept & uses of counselling - Types of counselling. Emerging Trends in HRM

SELF STUDY:

Importance of Training & Development, Emerging Trends in HRM.

TEXT BOOK :

1.Khanka S.S. Human Resources Management: Text and Cases. New Delhi: Chand & Company Ltd, 2010

REFERENCE BOOKS:

1. Aswathappa, K. Human Resources Management: Text and Cases. --6th ed. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2010

2. Biswajeet Pattanayak,Human Resource Management. New Delhi: PHI Learning Pvt.Ltd., 2009.

3. Noe, Raymond A.,Human Resource Management: Gaining a Competitive Advantage. Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2006.

4. Flippo, Edwin B., Personnel Management. 6th ed. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2000.

5. Prasad.LM., Human Resource Management. New Delhi: Sultan Chand & Sons, 2001

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.opentextbooks.org.hk/system/files/export/32/32088/pdf/Human_Resource_Management_32088.pdf
2. https://www.researchgate.net/publication/305954894_Human_Resource_Management_Theory_and_Practice
3. https://www.slideshare.net/versatileBschool/human-resource-management-full-notes
4. https://mbahub.in/advanced-strategic-management/knowledge-management-framework/
5. https://hrsea.economictimes.indiatimes.com/news/industry/top-emerging-compensation-and-benefits-trends-in-the-evolving-workplace/103729792

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**HUMAN RESOURCE MANAGEMENT**			
1.1	Meaning and scope of Human Resource Management	3	Chalk & Talk	Black Board
1.2	Objectives and Functions of Human Resource Management-	3	Chalk & Talk	LCD
1.3	Manpower planning, Meaning and Functions	3	Lecture	PPT & White board
1.4	Manpower planning process	3	Lecture	Smart Board
UNIT -2	**DEVELOPMENT**			
2.1	Performance Appraisal: Meaning & Purpose	2	Lecture	Green Board Charts

2.2	Process of Appraisal	2	Chalk & Talk	Green Board
2.3	Appraisal Methods, Traditional & Modern	3	Flipped Learning	Online/ E-Content/ Text Books /Materials
2.4	Training & Development: Meaning & Importance	2	Chalk & Talk	LCD
2.5	Methods of Operative Training – On-the Job, off-the job training - Knowledge Management – meaning, Key components, and benefits.	3	PPT	LCD
UNIT -3	**COMPENSATION**			
3.1	Meaning & Principles of Job Evaluation	1	Discussion	Google classroom
3.2	Methods of Job Evaluation	3	Chalk & Talk	Black Board
3.3	Factors influencing Wage & Salary Administration	2	Chalk & Talk	LCD
3.4	Incentives: Monetary and Non–monetary Incentives - Current trends in Compensation	3	Lecture	Smart Board
UNIT -4	**INTEGRATION**			
4.1	Trade Union: Functions & Role of Trade union	3	Chalk & Talk	LCD
4.2	Collective Bargaining: Concept and process of collective Bargaining	3	PPT	LCD
4.3	Collective bargaining in Indian Industry	1	Flipped Learning	Online/ E-Content/ Text Books /Materials

4.4	Introduction to important acts of Indian labour laws: Factories Act	2	Chalk & Talk	Black Board
4.5	Workmen's compensation act	1	Chalk & Talk	Black Board
4.6	Employees state insurance act and payment of bonus Act	2	Discussion	Google classroom
UNIT -5	**MAINTENANCE**			
5.1	Meaning and Causes of Grievance	2	Chalk & Talk	Black Board
5.2	Grievance handling procedure	2	PPT	LCD
5.3	Meaning & Objective of Discipline	2	Chalk & Talk	Black Board
5.4	Indiscipline of Misconduct and Procedure for disciplinary action	2	PPT	LCD
5.5	Concept & uses of counselling - Types of counselling	2	Discussion	Google classroom
5.6	Emerging Trends in HRM	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%

K5	-	**5**	**5**	-	**10**		**10**	**20%**
Non Scholastic	-	-	-	-	-	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

Nos

C1 - Test (CIA 1) 2* - 10 Mks

C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concept of HRM & Manpower planning process.	K2	PSO1
CO 2	Analyse the process of performance Appraisal and discuss the various methods of training and development	K2, K3	PSO2
CO 3	Evaluate the principles of Job evaluation and explain the wage and salary Administration.	K2, K4	PSO3
CO 4	Discuss trade Union and its function and analyse collective bargaining	K2, K3, K4	PSO4
CO 5	Identify the cause of grievance and procedure for disciplinary action.	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2

CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

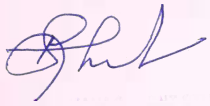
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name:Dr. B. Jayanthi

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA203	Marketing Management	Major Core	4	4

COURSE DESCRIPTION

This course describes the nature and purpose of marketing. It describes marketing mix, consumer behaviour and strategy, product planning and development. It helps the students in making better marketing management decisions.

COURSE OBJECTIVES

This course makes the students to understand marketing management concept

UNITS

UNIT I: MARKETING [12 HRS]

Definition- marketing in the twenty-first century -Marketing tasks – the scope of marketing-marketing concepts and tools - Company orientations toward the market place - How business and marketing is changing – Value chain – Meaning and benefits.

UNIT II: BUYER BEHAVIOUR [12 HRS]

Analyzing consumer and Buying behaviour- the major factors influencing Buyer behaviour-Buying decision process and stages-Identifying competitors-Analysing competitors-Designing competitive intelligence system - Designing competitive strategies. Levels and patterns of market segmentation - segmenting consumer and business markets – Customer life cycle – Meaning and stages.

UNIT III:PRODUCT [12 HRS]

Positioning the Market offering through the Product Life Cycle - differentiation tools-Managing the new product development process - Managing product line and brands-product line decisions- brand decisions- packaging and labelling

UNIT IV:PRICING AND PHYSICAL DISTRIBUTION [12 HRS]

Designing Pricing strategies-setting the price-adapting the price- work performed by marketing channels- channel design decisions -channel management decisions, channel dynamics- Retailing- wholesaling- market logistics.

UNIT V:PROMOTION [12 HRS]

Developing and managing an advertising program- Deciding on media and measuring effectiveness - sales promotion- public relations-Designing the sales force- managing the sales force- principles of personal selling.

SELF STUDY:

The Major factors influencing Buyer behaviour, Principles of personal selling.

TEXT BOOK:

1. Marketing Management (Fifteenth edition) – Philip Kotler - Prentice Hall India

REFERENCE BOOKS:

1. Kotler, Philip., Marketing Management.,1st ed, New Delhi: Prentice Hall of India Pvt Ltd, 2005.
2. Stanton, William J., Fundamentals of Marketing. 1st ed, New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2000.
3. Sherlekar, S A, Modern Marketing: A Manual of Marketing, Salesmanship and Advertising. ,2nd ed, New Delhi: Galgotia Publications Ltd, 2000.
4. Gandhi, J C., Marketing: A Managerial Introduction,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2000

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/225084026_Marketing_Management
2. https://www.tutorialspoint.com/marketing_management/marketing_management_tutorial.pdf
3. http://mba.teipir.gr/files/UnderstandingMarketingManagement.pdf
4. https://www.techtarget.com/searchcio/definition/value-chain
5. https://www.marketing91.com/customer-life-cycle/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**MARKETING MANAGEMENT**			
1.1	Definition- marketing in the twenty-first century	3	Chalk & Talk	Black Board
1.2	Marketing tasks	2	Chalk & Talk	LCD
1.3	The scope of marketing	2	Lecture	PPT & White board
1.4	Marketing concepts and tools	2	Lecture	Smart Board
1.5	Company orientations toward the market place	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	How business and marketing is changing - Value chain – Meaning and benefits	1	Discussion	Google classroom
UNIT -2	**BUYER BEHAVIOUR**			
2.1	Analyzing consumer and Buying behaviour	2	Lecture	Green Board Charts
2.2	The major factors influencing Buyer behaviour	2	Chalk & Talk	Green Board
2.3	Buying decision process and stages	3	PPT	LCD
2.4	Identifying competitors-Analysing competitors- Designing competitive intelligence system - Designing competitive strategies	3	PPT	LCD
2.5	Levels and patterns of market	2	Flipped	Online/ E-

	segmentation - segmenting consumer and business markets - Customer life cycle – Meaning and stages		Learning	Content/ Text Books /Materials/
UNIT -3	**PRODUCT**			
3.1	Positioning the Market offering through the Product Life Cycle	4	Lecture	PPT & White board
3.2	differentiation tools- Managing the new product development process	4	Lecture	PPT & White board
3.3	Managing product line and brands- product line decisions- brand decisions- packaging and labelling	4	Chalk & Talk	Black Board
UNIT -4	**PRICING AND PHYSICAL DISTRIBUTION**			
4.1	Designing Pricing strategies-setting the price	2	Discussion	Black Board
4.2	Adapting the price- work performed by marketing channels	2	Chalk & Talk	Black Board
4.3	Salient features of project report importance of project report	2	Lecture	PPT & White board
4.4	Channel design decisions, channel management decisions	3	Lecture	PPT & White board
4.5	Channel dynamics , Retailing, wholesaling ,market logistics	1	Flipped Learning	Online/ Text Books /Materials
UNIT -5	**PROMOTION**			
5.1	Developing and managing an advertising program	1	Discussion	Black Board
5.2	Deciding on media and measuring effectiveness	3	Chalk & Talk	Black Board

5.3	Sales promotion- public relations	2	Lecture	PPT & White board
5.4	Designing the sales force	3	Lecture	PPT & White board
5.5	Managing the sales force- principles of personal selling.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45

Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline marketing management concept and current trends	K2	PSO1
CO 2	Assess consumer behaviour and identify competitors	K2, K3	PSO2
CO 3	Analyse product life cycle and strategies relevant to them	K2, K4	PSO3
CO 4	Discuss pricing and distribution strategies	K2, K3	PSO4
CO 5	Design and Manage advertising programme	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA204	Financial Management	Major Core	4	4

COURSE DESCRIPTION

This course emphasis on the functions of finance, sources of finance and the importance of finance department in an enterprise. This course also illustrates the financial decisions, investment decisions and dividend decisions and their impact in the business environment.

COURSE OBJECTIVES

To enhance the students with management of financial resources in an organisation and to sketch out the various techniques used to analyse financial soundness of the organisation

UNITS

UNIT I: INTRODUCTION [12 HRS]

Introduction to Financial Management – Meaning – Definition, Objectives & Scope of financial management –Importance – financial decisions – Factors influencing financial decisions –Sources of financing – Short term & Long term. Financial Analysis: Fund flow analysis – Cash flow analysis - Meaning, use and significance of Cash flow and Fund flow statements – Preparation of cash flow and fund flow statements.

UNIT II: SHORT TERM FINANCING DECISION [12 HRS]

Working Capital Management: Introduction –Classification of working capital – Importance of working capital –Factors requiring consideration while estimating

WC –Working capital cycle - Cash Management techniques –Dimensions of Receivables management.

UNIT III: LONG TERM FINANCING & INVESTMENTS DECISIONS [12 HRS]

Importance and Forms of capital structure – Theories of capital structure – Net Income approach, Net operating Income approach, the Traditional approach & MM approach – factors determining capital structure. Capital Gearing – Changes in Capitalization – Meaning and Types of Leverages – Significance of financial & Operating leverage Principles of capital investment – Importance of capital budgeting – Administrative frame work – Methods of evaluation – Traditional Methods and Discounted Cash flow Methods – Payback period method, Rate of return method – Net Present Value (NPV), Internal Rate of Return (IRR) & Profitability Index (PI) Method – NPV Vs IRR Meaning and Significance of Cost of Capital – Determination of Cost of Capital – Computation of cost of Capital: Cost of debt, preference capital, equity share capital, retained earnings & weighted Average cost of capital.

UNIT IV: DIVIDEND DECISIONS [12 HRS]

Dividend Theories – Theory of irrelevance – Residual approach and Modigliani & Miller Approach (MM model) Theory of Relevance: Walter's approach and Gordon's approach. Determinants of dividend decisions – Types of dividend policy: Regular, Stable and irregular dividend policy – The concept of Strategic Financial Management, its meaning, objectives and features.

UNIT V: FINANCIAL CONCEPTS – TAXATION [12 HRS]

Taxation – types – direct tax – indirect tax – central excise, customs, GST, corporate tax, VAT, service tax, income tax, and CGT – meaning and procedure for calculation – theory only and problems are not included.

SELF STUDY:

Importance of working capital, Factors influencing financial decisions

TEXT BOOK:

1. Gupta, Shashi K., Financial Management: Theory and Practice. -4th ed. Kolkata: Kalyani Publishers, 2000

REFERENCE BOOKS:

1. Pandey, I M., Financial Management. --9th ed. , New Delhi: Vikas Publishing House Pvt Ltd, 1978.
2. Prasanna Chandra, Financial Management: Theory and Practice. --7th ed. New Delhi: Tata Mcgraw Hill Publishing Company, 2008.
3. Khan, M Y, Financial Management. --2nd ed. New Delhi: Tata Mc-Graw Hill Education Pvt. Ltd., 2000.
4. Van Horne, James, C.,Financial Management and Policy. --12th ed. Australia: Pearson Education, 2002.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://icmai.in/upload/Students/Syllabus-2008/StudyMaterialFinal/P-12.pdf
2. https://gurukpo.com/Content/MBA/Financial_Management.pdf
3. http://docshare02.docshare.tips/files/13755/137553531.pdf
4. http://14.139.206.50:8080/jspui/bitstream/1/4332/1/Strategic%20financial%20management.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction to Financial Management – Meaning – Definition	1	Chalk & Talk	Black Board
1.2	Objectives & Scope of financial management	1	Chalk & Talk	LCD
1.3	Importance, financial decisions Factors influencing financial decisions	2	Lecture	PPT & White board

1.4	Sources of financing - Short term & Long term. Financial Analysis: Fund flow analysis	1	Lecture	Smart Board
1.5	Cash flow analysis, Meaning, use and significance of Cash flow and Fund flow statements	4	Lecture	Black Board
1.6	Preparation of cash flow and fund flow statements.	3	Lecture	Black Board
UNIT -2	**SHORT TERM FINANCING DECISIONS**			
2.1	Working Capital Management: Introduction	1	Lecture	Green Board Charts
2.2	Classification of working capital	2	Chalk & Talk	Green Board
2.3	Importance of working capital	2	Flipped Learning	E-Content
2.4	Factors requiring consideration while estimating WC	2	Blended Learning	Online/ Field visit
2.5	Working capital cycle	2	Lecture	PPT & White board
2.6	Cash Management techniques	1	Lecture	Smart Board
2.7	Dimensions of Receivables management	1	Lecture	Black Board
UNIT -3	**LONG TERM FINANCING AND INVESTMENTS DECISIONS**			
3.1	Importance and Forms of capital structure	1	Lecture	Green Board

3.2	Theories of capital structure, Net Income approach, Net operating Income approach, the Traditional approach & MM approach	1	Chalk & Talk	Green Board
3.3	Factors determining capital structure. Capital Gearing, Changes in Capitalization, Meaning and Types of Leverages	2	Flipped Learning	E-Content
3.4	Significance of financial & Operating leverage, Principles of capital investment ,Importance of capital budgeting, Administrative frame work	1	Blended Learning	Online/ Field visit
3.5	Methods of evaluation, Traditional Methods and Discounted Cash flow Methods,Payback period method, Rate of return method	2	Lecture	PPT & White board
3.6	Net Present Value (NPV), Internal Rate of Return (IRR) & Profitability Index (PI) Method , NPV Vs IRR Meaning and	2	Lecture	Black board Board
3.7	Significance of Cost of Capital, Determination of Cost of Capital, Computation of cost of Capital: Cost of debt, preference capital, equity share capital, retained earnings & weighted Average cost of capital.	3	Lecture	Black Board
UNIT -4	**DIVIDEND DECISIONS**			
4.1	Dividend Theories , Theory of irrelevance, Residual approach and Modigliani & Miller Approach (MM model)	3	Blended Learning	Online/ Field visit

4.2	Theory of Relevance: Walter's approach and Gordon's approach.	3	Lecture	PPT & White board
4.3	Determinants of dividend decisions	3	Lecture	Smart Board
4.4	Types of dividend policy: Regular, Stable and irregular dividend policy	2	Lecture	Black Board
4.5	The concept of Strategic Financial Management, its meaning, objectives and features.	1	Lecture	Smart Board
UNIT -5	**FINANCIAL CONCEPTS - TAXATION**			
5.1	Taxation , types, meaning and procedure for calculation	2	Lecture	Green Board
5.2	Direct tax	3	Chalk & Talk	Green Board
5.3	Indirect tax	2	Flipped Learning	E-Content
5.4	Central excise, customs corporate tax, VAT, service tax, income tax, and CGT	3	Blended Learning	Online/ Field visit
5.5	GST,theory only and problems are not included.	2	Lecture	PPT & White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment

	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Introduce financial management and preparation of fund flow and cash flow statements.	K2	PSO1
CO 2	Outline the short term financing decisions in an organisation.	K2, K3	PSO2
CO 3	Emphasize on long term investment and financial decisions in an	K2, K4	PSO3

	organisation.		
CO 4	Enhance the students with determination of dividend decisions and policies in declaration of dividends in an organisation	K2, K3, K4	PSO4
CO 5	Sketch out the concept of taxation and its types.	K2, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R.SUGANYA

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMM	COURSE	COURSE	CATEGORY	HRS/	CREDIT

E CODE	CODE	TITLE		WEEK	S
MBA	19MBA205	Management Information System	Major Core	4	4

COURSE DESCRIPTION

The course emphasizes the application of systems in various business operations. The types of MIS and its various areas of business applications are focused in this course. The business analytics and its impact on various business operations are also insisted in this course.

COURSE OBJECTIVES

To expose the students with various types of information system and its applications in management functions in an organisation

UNITS

UNIT I: INTRODUCTION [12 HRS]

Introduction: MIS – Definition – Management information System (MIS) – Characteristics, Role of MIS –Information systems architecture¬¬¬—Why MIS is important—-Functions of MIS—Sources of information system—Need for efficient information system-Applications of information system. Challenges in building and using information system-constraints in MIS operation-Pre-requisites for effective MIS.

UNIT II: MIS - TYPES [12 HRS]

Impact of MIS overview of Information system-- Types of MIS system: Operation support system: Transaction processing system – Features of TPS. Process control system – Enterprise collaboration system. Management support system: Management Information system – Decision support system- Executive Information system – Expert system – Knowledge Management system – Strategic information system – Integrated information system.

UNIT III: FUNCTIONAL INFORMATION SYSTEM [12 HRS]

Marketing Information system: Interactive marketing – Sales force automation – Sales & product management – Advertisings and promotion – Marketing

research and forecasting. Human Resource Information System: Payroll – Staffing – Training & Development – Compensation analysis – HRM & Internet. Accounting Information: Online accounting system – Order processing – Inventory control – Accounts receivables – Accounts payables – General ledger. Financial Information system: Cash management – Online investment management – Capital Budget – financial forecasting & Planning – Transaction Processing Information System – meaning & features.

UNIT IV: STRATEGIC INFORMATION SYSTEM [12 HRS]

Strategic Information System: Introduction-Components of Strategic Information System-Screening system-Intelligence Data system-Business Intelligent system.

UNIT V: RECENT TRENDS [12 HRS]

Ethical and social Issues in managing information system. Computer frauds: internal-Input, processor, computer Instructions, stored data, output. External Sources: Internet frauds, Hacking Computer Virus—Measure against Computer Frauds-Prevention of computer frauds – Business analytics, - Application in functional areas of business – Types of analytics, Blockchain Technology – meaning, types and benefits.

SELF STUDY:

Types of analytics, Business Intelligent system.

TEXT BOOK:

1. L M Prasad, Management Information System. New Delhi: Sultan Chand and Sons.,2012.

REFERENCE BOOKS:

1. Jawadekar, W S,. Management Information System. New Delhi: Tata Mc-Graw Hill Education Pvt. Ltd., 1998.
2. Banerjee, Utpal K, Management Information System: A New Framework. --2nd ed., New Delhi: Vikas Publications House Pvt Ltd, 1995.
3. Leon, Alexis., ERP Demystified, New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2000.

4. Obrien, James A, and Management Information System: Managing Information Technology in the Internetworked Enterprise. --4th ed. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2000.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.sigc.edu/department/mba/studymet/ManagmentInformationSystem.pdf
2. https://www.tutorialspoint.com/management_information_system/mis_tutorial.pdf
3. https://www.managementstudyguide.com/financial-management.htm
4. https://www.wallstreetmojo.com/transaction-processing-system/
5. https://www.mbaknol.com/information-systems-management/blockchain-technology/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Definition – Management information System (MIS) – Characteristics	1	Chalk & Talk	Black Board
1.2	Role of MIS –Information systems architecture	1	Chalk & Talk	LCD
1.3	Why MIS is important	2	Lecture	White board
1.4	Functions of MIS	1	Lecture	Smart Board
1.5	Sources of information system—Need for efficient information system	1	Lecture	Black Board
1.6	Applications of information system	1	Discussion	Google classroom

1.7	Challenges in building and using information system	2	Lecture	Black Board
1.8	Constraints in MIS operation	1	Discussion	Black Board
1.7	Pre-requisites for effective MIS.	2	Lecture	PPT & White board
UNIT -2	**MIS - TYPES**			
2.1	Impact of MIS overview of Information system	1	Lecture	Green Board Charts
2.2	Types of MIS system	2	Chalk & Talk	Green Board
2.3	Operation support system: Transaction processing system - Features of TPS	2	Flipped Learning	E-Content
2.4	Process control system – Enterprise collaboration system. Management support system	2	Blended Learning	Online/ Field visit
2.5	Management Information system – Decision support system	2	Lecture	PPT & White board
2.6	Executive Information system – Expert system – Knowledge Management system	1	Lecture	Smart Board
2.7	Strategic information system.	1	Lecture	Black Board
2.8	Integrated information system.	1	Discussion	Google classroom
UNIT -3	**FUNCTIONAL INFORMATION SYSTEM**			
3.1	Marketing Information system: Interactive marketing	1	Lecture	Green Board Charts
3.2	Sales force automation – Sales &	1	Chalk &	Green

	product management		Talk	Board
3.3	Advertisings and promotion – Marketing research and forecasting.	2	Flipped Learning	E-Content
3.4	Human Resource Information System: Payroll – Staffing – Training & Development – Compensation analysis – HRM & Internet.	1	Blended Learning	Online/ Field visit
3.5	Accounting Information: Online accounting system – Order processing.	2	Lecture	PPT & White board
3.6	Inventory control – Accounts receivables – Accounts payables – General ledger.	2	Lecture	Smart Board
3.7	Financial Information system: Cash management – Online investment management	2	Lecture	Black Board
3.8	Capital Budget – financial forecasting & Planning	1	Discussion	Google classroom
UNIT -4	**STRATEGIC INFORMATION SYSTEM**			
4.1	Strategic Information System: Introduction	3	Blended Learning	Online/ Field visit
4.2	Components of Strategic Information System	2	Lecture	PPT & White board
4.3	Screening system	2	Lecture	Smart Board
4.4	Intelligence Data system	2	Lecture	Black Board

4.5	Business Intelligent system	3	Discussion	Google classroom
UNIT -5	**RECENT TRENDS**			
5.1	Ethical and social Issues in managing information system.	2	Lecture	Green Board Charts
5.2	Computer frauds: internal-Input, processor, computer Instructions, stored data, output.	3	Chalk & Talk	Green Board
5.3	External Sources: Internet frauds	2	Flipped Learning	E-Content
5.4	Hacking Computer Virus— Measure against Computer Frauds - Prevention of computer frauds – Business analytics	3	Blended Learning	Online/ Field visit
5.5	Application in functional areas of business – Types of analytics - Blockchain Technology – meaning, types and benefits	2	Lecture	PPT & White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-

K2	**-**	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**
K3	**5**	-	**-**	**5**	**10**		**10**	**20%**
K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

Nos

C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Emphasize on impact and role of MIS inn an organisation	K2	PSO1
CO 2	Outline the application of information system in business operations	K2,K3	PSO2
CO 3	Focus on decision support system in management decisions	K2,K4	PSO3
CO 4	Highlight the application of strategic Information system in an organisation	K2,K3	PSO4
CO 5	Introduce business analytics and its types	K2,K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2

CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**
♦ Weakly Correlated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA206	Business Research	Major Core	4	4

COURSE DESCRIPTION

The course is designed to enable the managers to pursue independent research in the context of organisation. The course sharpens the research competencies and analytical skills of learners.

COURSE OBJECTIVES

This course aspires to sharpen the research and analytical skills in Business context

UNITS

UNIT I:INTRODUCTION TO RESEARCH METHODOLOGY [12 HRS]

Meaning of Research – objectives of research – Motivation in research – Significance - Types of research: Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical, Other types - Research Process.

UNIT II: SAMPLING METHODS AND TECHNIQUES [12 HRS]

Sampling fundamentals – Need for sampling – Fundamental definitions. Sampling design – Steps in sampling design – Different types of sampling design: Non-probability & Probability sampling, Unrestricted & Restricted sampling – Criteria of selecting a sampling procedure

UNIT III: DATA COLLECTION [12 HRS]

Introduction to data collection - Primary data: Observation method – Types, Interview method – Types, Merits & Demerits, Questionnaire – Merits & Demerits, Main aspects of a questionnaire, Essentials of a good questionnaire, Schedules – Difference between Questionnaire & Schedules, Other types, Collection of secondary data – Characteristics, Selection of appropriate method

- Case study method – Characteristics, Evolution & scope, Assumptions, Major phases, Advantages & Limitations.

UNIT IV: PROCESSING AND ANALYSIS OF DATA [12 HRS]

Classification – Coding – Tabulation – Statistical – Analysis of data – Statistical tools in analysis of data - Percentage Analysis-Measures of central tendency-Arithmetic mean - Weighted arithmetic mean – Median – Mode –Correlation – Regression – Hypothesis testing – Meaning, Characteristics, Basic concepts, Procedure for testing hypothesis – t-Test – Chi-square test – F-test.

UNIT V: INTERPRETATION AND REPORT WRITING [12 HRS]

Interpretation – Meaning – Technique of interpretation – Precautions in interpretation. Report writing and Presentation – Significance – Steps – Layout of research report – Types of reports – Mechanics and Precautions in writing a research report

SELF STUDY:

Criteria of selecting a sampling procedure, Essentials of a good questionnaire

TEXT BOOK:

1. Kothari, C R., Research Methodology Methods and Techniques., New Delhi: New Age International Pvt Ltd, 2010.

REFERENCE BOOKS:

1. Ravichandran, K., Introd. to Research Methods in Social Sciences / K Ravichandran and S Nakkiran., New Delhi: Abhijeet Publications, 2008.
2. Cooper, Donald R., Business Research Methods / Donald R Cooper and Pamela S Schindler. --9th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2006.
3. Ghosh, B N., Scientific Method and Social Research. New Delhi: Sterling Publishers Private Limited, 2000.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/329949764_Introduction_to_Business_Research
2. http://sdeuoc.ac.in/sites/default/files/sde_videos/V%20Sem.%20-%20Business%20Research%20Methods.pdf
3. https://iaear.weebly.com/uploads/2/6/2/5/26257106/research_methods_entiree_book_umasekaram-pdf-130527124352-phpapp02.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO RESEARCH METHODOLOGY**			
1.1	Meaning of Research objectives of research Motivation in research Significance	5	Lecture	LCD
1.2	Types of research: Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical, Other types Research Process	7	Blended learning	Google classroom
UNIT -2	**SAMPLING METHODS AND TECHNIQUES**			
2.1	Sampling fundamentals , Need for sampling , Fundamental definitions	4	Lecture	LCD
2.2	Sampling design Steps in sampling design	3	Blended learning	White board
2.3	Different types of sampling design: Non-probability & Probability sampling,	5	Lecture	White board

	Unrestricted & Restricted sampling ,Criteria of selecting a sampling procedure			
UNIT -3	**DATA COLLECTION**			
3.1	Introduction to data collection - Primary data: Observation method – Types, Interview method , Types, Merits & Demerits, Questionnaire ,Merits & Demerits, Main aspects of a questionnaire, Essentials of a good questionnaire, Schedules . Difference between Questionnaire & Schedules	6	Lecture	White board
3.2	Collection of secondary data Characteristics, Selection of appropriate method	4	Lecture	LCD
3.3	Other types, Case study method , Characteristics, Evolution & scope, Assumptions, Major phases, Advantages & Limitations	2	Group discussion	Materials
UNIT -4	**PROCESSING AND ANALYSIS OF DATA**			
4.1	Classification , Coding , Tabulation	2	Blended learning	White board

4.2	Statistical Analysis of data ,Statistical tools in analysis of data , Percentage Analysis-Measures of central tendency, Arithmetic mean Weighted arithmetic mean Median , Mode ,Correlation	6	Problem-based learning	Smart board
4.3	Regression, Hypothesis testing – Meaning, Characteristics, Basic concepts, Procedure for testing hypothesis – t-Test – Chi-square test – F-test	4	Lecture & Demonstration	LCD, Google classroom
UNIT -5	**INTERPRETATION AND REPORT WRITING**			
5.1	Interpretation , Meaning , Technique of interpretation , Precautions in interpretation	3	Lecture	LCD
5.2	Report writing and Presentation , Significance , Steps , Layout of research report	3	Demonstration	LCD
5.3	Types of reports , Mechanics and Precautions in writing a research report	3	Demonstration	White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholast	Non Scholast	CIA Total	% of

					ic Marks	ic Marks C5		Assess ment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline research types and process	K2	PSO1
CO 2	Apply suitable sampling methods and techniques for research study	K2, K3	PSO2
CO 3	Use effective data collection methods	K2, K4	PSO3
CO 4	Apply appropriate Statistical tools and analyse the results	K2, K3, K5	PSO4
CO 5	Evaluate the research results and Create research report	K2, K3, K4, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L.Meena

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

I MBA

SEMESTER –II

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA207	Managerial Skills	Major Core	2	2

COURSE DESCRIPTION

This course guides students in self analysis and assessment of others. It helps them in interpersonal effectiveness, team building and assertiveness.

COURSE OBJECTIVES

The course is designed to inculcate effective interpersonal relationship that helps the students to work as a team

UNITS

UNIT I: SELF-INTROSPECTION SKILLS [5 HRS]

Self-observation – Stages of introspection: Observation stage, Questioning stage & Framing conditions of mental processes. SWOT analysis

UNIT II: TEAM SKILLS [5HRS]

Managing interpersonal feedback – Empathizing – Conflict resolution – Communication – Delegating tasks– Employee Development Programmes

UNIT III: DECISION-MAKING SKILLS [5HRS]

Decision making styles: Intuitive and Rational decision-making – Handling problems in decision-making process

UNIT IV: ASSERTIVENESS [5 HRS]

Behavioural choices – Direct aggression, indirect aggression, Submissive and Assertive. Characteristics of assertiveness.

UNIT V:CREATIVE THINKING [5 HRS]

Boosting up creative thinking – Management games

SELF STUDY:

SWOT analysis, Communication.

REFERENCE BOOKS:

1. McGrath S J, E H. Basic Managerial Skills for All. --6th ed. New Delhi: Prentice Hall of India Pvt Ltd, 2007.
2. Mainiero, Lisa A., Developing Managerial Skills in Organizational Behaviour: Exercises, Cases and Readings. --2nd ed. New Delhi: Prentice Hall of India Pvt Ltd, 1999.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/263421616_The_development_of_managerial_skills_in_MBA_programs_A_reconsideration_of_learning_goals_and_assessment_procedures

2. https://www.academia.edu/4358901/managerial_skill_development_pdf?auto=download
3. http://www.ebookbou.edu.bd/Books/Text/SARD/DYDW/module07.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**SELF-INTROSPECTION SKILLS**			
1.1	Self-observation	1	Chalk & Talk	Black Board
1.2	Stages of introspection: Observation stage	1	Chalk & Talk	LCD
1.3	Questioning stage	1	Lecture	PPT & White board
1.4	Framing conditions of mental processes.	1	Lecture	Smart Board
1.5	SWOT analysis	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**TEAM SKILLS**			
2.1	Managing interpersonal feedback	1	Lecture	Green Board Charts
2.2	Empathizing	1	Chalk & Talk	Green Board
2.3	Conflict resolution	1	PPT	LCD
2.4	Communication	1	PPT	LCD
2.5	Delegating tasks– Employee Development Programmes	1	Flipped Learning	Online/ E-Content/ Text Books

				/Materials/
UNIT -3	**DECISION-MAKING SKILLS**			
3.1	Decision making styles	1	Lecture	PPT & White board
3.2	Intuitive and Rational decision-making	2	Lecture	PPT & White board
3.3	Handling problems in decision-making process	2	Chalk & Talk	Black Board
UNIT -4	**ASSERTIVENESS**			
4.1	Behavioural choices	1	Discussion	Black Board
4.2	Direct aggression	1	Chalk & Talk	Black Board
4.3	Indirect aggression	1	Lecture	PPT & White board
4.4	Submissive and Assertive	1	Lecture	PPT & White board
4.5	Characteristics of assertiveness	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -5	**CREATIVE THINKING**			
5.1	Boosting up creative thinking	2	Discussion	Black Board
5.2	Management games	3	Chalk & Talk	Black Board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks	CIA Total	% of Assessm

						C5		ent
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%
K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	20
Non Scholastic	5
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
5	5	5	5	5	25	25	50

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Demonstrate self introduction	K2	PSO1
CO 2	Assessment self and others	K2, K3	PSO2

CO 3	Plan interpersonal effectiveness	K2, K4	PSO3
CO 4	Analyse and practice assertiveness	K2, K3, K5	PSO4
CO 5	Design team development plan.	K2, K3, K4, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. P.Shyamala

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA301	Strategic Management	Major Core	4	4

COURSE DESCRIPTION

The primary concern of this course is to introduce a strategic orientation among the participants in formulating and implementing strategies at corporate level.

COURSE OBJECTIVES

This Course is aimed at providing insight on strategies in all functional areas.

UNITS

UNIT –I STRATEGIC MANAGEMENT (12HRS.)

Introduction – definition – Levels of strategic management – Core competence – strategic management process – Limitations and misgivings – Principles of good strategy.

UNIT –II ENVIRONMENTAL ASSESSMENT (12 HRS.)

Environmental analysis – importance, types of environments – environmental factors – methods of scanning, Resource profile – SAP analysis — analysis of management concern – SWOT analysis - value chain approach.

UNIT –III STRATEGIES (12 HRS.)

Strategic formulation – strategic options – 17 grand strategies – choice of strategy, portfolio analysis – BCG growth share matrix – GE multifactor portfolio matrix – ANSOFF's products – market matrix – competitive analysis - 7 s framework. International operations – globalization of business – complexity of international environmental analysis

UNIT –IV STRATEGIC IMPLEMENTATION (12 HRS.)

Activating strategy – structural implementation- functional implementation – behavioural implementation – procedural implementation

UNIT –V STRATEGIC CONTROL (12 HRS.)

Process – operational control – Types of operational control Management of Change - Barriers to change – Change requirements – Implementation of strategic change

SELF STUDY:

7 s Framework

TEXT BOOK :

1. Kazmi, Azhar., Kazmi Adela., Strategic Management.-4th , Chennai;Mc-Graw Hill Education(India) Private Limited., 2018

REFERENCE BOOKS :

1. Kazmi, Azhar., Strategic Management and Business Policy. –4th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2017
2. Pearce Ii, John A.,Richard B. Robinson and Amita Mital., Strategic Management. --12th ed., New Delhi, Mcraw Hill Pvt., 2016
3. Kesho PrasadStrategic Management Text and Cases., PHI Learning Private Limited., 2015
4. Francis Cherunilam, Strategic Management – 3rd revised ed., Mumbai, Himalaya Publishing House Pvt. Ltd., 2014

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/272352897_Strategic_Management
2. https://ebooks.lpude.in/commerce/mcom/term_4/DCOM506_DMGT502_STRATEGIC_MANAGEMENT.pd

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**STRATEGIC MANAGEMENT**			
1.1	Introduction – Definition	3	Chalk & Talk	Black Board
1.2	Levels of Strategic management	2	Chalk & Talk	LCD
1.3	Core competence	2	Lecture	PPT & White

				board
1.4	Strategic management process	2	Lecture	Smart Board
1.5	Limitations and misgivings	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Principles of good strategy	1	Discussion	Google classroom
UNIT -2	**ENVIRONMENTAL ASSESSMENT**			
2.1	Environmental analysis – importance	2	Lecture	Green Board Charts
2.2	Types of environments	2	Chalk & Talk	Green Board
2.3	Environmental factors, Methods of scanning	3	PPT	LCD
2.4	Resource profile – SAP analysis, Analysis of management concern	3	PPT	LCD
2.5	SWOT analysis, Value chain approach	2	Flipped Learning	Online/ E-Content
UNIT -3	**STRATEGIES**			
3.1	Strategic formulation – strategic options – 17 grand strategies – choice of strategy	4	Lecture	PPT & White board
3.2	Portfolio analysis – BCG growth share matrix – GE multifactor portfolio matrix – ANSOFF's products	4	Lecture	PPT & White board
3.3	Market matrix – Competitive analysis - 7 s	4	Chalk & Talk,	Black Board

	Framework,International operations – globalization of business – complexity of international environmental analysis		Flipped Learning	
UNIT -4	**STRATEGIC IMPLEMENTATION**			
4.1	Activating strategy	2	Discussion	Black Board
4.2	Structural implementation	3	Chalk & Talk	Black Board
4.3	Functional implementation	2	Lecture	PPT & White board
4.4	Behavioural implementation	3	Lecture	PPT & White board
4.5	Procedural implementation	2	Flipped Learning	Online/ E-Content/ Text Books
UNIT -5	**STRATEGIC CONTROL**			
5.1	Process	2	Discussion	Black Board
5.2	Operational control, Types of operational control	3	Chalk & Talk	Black Board
5.3	Management of Change, Barriers to change	3	Lecture	PPT & White board
5.4	Change requirements	2	Lecture	PPT & White board
5.5	Implementation of strategic change	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse,**K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Provide framework on strategic management.	K2	PSO1
CO 2	Analyse the environment for suitable	K3	PSO2

	strategies.		
CO 3	Explain various strategies that corporate can adapt.	K4	PSO3
CO 4	Identify the process of implementing a strategy	K4	PSO4
CO 5	Assess the strategic Control process and suggest suitable ways for effective implementation of strategies	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. **Staff Name: Dr. M. Nagarenitha**

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA302	Entrepreneurship	Major Core	4	4

COURSE DESCRIPTION

The course explores the basic concepts of entrepreneurship. It provides an idea about the idea generation and the various Appraisals.

COURSE OBJECTIVES

This course is aimed at inculcating entrepreneurial skills and motivates the students to start their own Ventures.

UNITS

UNIT –I ENTREPRENEUR & ENTREPRENEURSHIP (12 HRS.)

Definition & concept – characteristics of an entrepreneur – types of entrepreneurs Entrepreneurial traits – role of an entrepreneur in economic development – Intrapreneur and Social Entrepreneur – definition and concept.

UNIT –II ENTREPRENEURIAL DEVELOPMENT PROGRAMME (12 HRS.)

Meaning – Need and objective of EDP- Phases of EDP- Course content and curriculum of EDPs – Problems faced by EDPs- EDP Institutions in guiding entrepreneurs.

UNIT –III WOMEN ENTREPRENEURSHIP (12 HRS.)

Characteristics – profile – problems of women entrepreneurs –institutional support for promoting women entrepreneurship - Self help groups/Neighbourhood Groups and Micro finance - Case studies about Self Help Group.

UNIT –IV BUSINESS OPPORTUNITY IDENTIFICATION (12 HRS.)

Sources of BOI – features and importance of project report –Project appraisal-market appraisal – technical Appraisal – financial appraisal

UNIT –V INSTITUTIONAL SUPPORT FOR SSI (12 HRS.)

LIC – SIDC – SIDBI – SIDCO – SFC - EXIM– IDBI – IRBI – ICICI – IFCI – Commercial Banks. Incentive schemes & concession provided to small scale industries

SELF STUDY:

Preparation of a Specimen of Project Proposal

TEXT BOOK :

1. S.S.Khanka , Entrepreneurship Development, S. Chand publishing, 2006

REFERENCE BOOKS :

1. Desai, Vasant., Dynamics of Entrepreneurial Development and Management., Mumbai: Himalaya Publishing House, 2003.
2. Saravanavel, P, Entrepreneurial Development: Principles, Policies and Programmes. --2nd ed. New Delhi: Galgotia Publications Ltd, 2000.
3. Hisrich, Robert D. Entrepreneurship / Robert D Hisrich, Michael P Peters and Dean A Shepherd. --6th ed. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2005.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.ddegjust.ac.in/studymaterial/mba/cp-401.pdf
2. https://www.cmu.edu/swartz-center-for-entrepreneurship/education-and-resources/project-olympus/pdf/entrepreneurship-101.pdf
3. https://www.managementstudyguide.com/social-entrepreneurship.htm
4. https://byjus.com/free-ias-prep/self-help-group/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**ENTREPRENEUR & ENTREPRENEURSHIP**			
1.1	Definition & concept	3	Chalk & Talk	Black Board
1.2	Characteristics of an entrepreneur	2	Chalk & Talk	LCD

1.3	Types of entrepreneurs	2	Lecture	PPT & White board
1.4	Entrepreneurial traits	2	Lecture	Smart Board
1.5	Role of an entrepreneur	2	Flipped Learning	Online/ E-Content/ Text Books /Materials
1.6	Intrapreneur and Social Entrepreneur – definition and concept.	1	Discussion	Google classroom
UNIT -2	**ENTREPRENEURIAL DEVELOPMENT PROGRAMME**			
2.1	Meaning – steps – EDP training programmes	2	Lecture	Green Board Charts
2.2	Need and objective Phases of EDP	2	Chalk & Talk	Green Board
2.3	Course content and curriculum of EDPs	3	PPT	LCD
2.4	Problems faced by EDPs	2	PPT	LCD
2.5	EDP Institutions in guiding entrepreneurs.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**WOMEN ENTREPRENEURSHIP**			
3.1	Characteristics – profile of women entrepreneurs	4	Lecture	PPT & White board
3.2	Problems of women entrepreneurs	4	Lecture	PPT & White board
3.3	Government & institutional support for promoting women entrepreneurship -Self help groups/Neighbourhood Groups and Micro finance- Case	4	Chalk & Talk	Black Board

	studies about Self Help Group			
UNIT -4	**BUSINESS OPPORTUNITY**			
4.1	BOI stages	2	Discussion	Black Board
4.2	Sources of BOI	2	Chalk & Talk	Black Board
4.3	salient features & importance of project report	2	Lecture	PPT & White board
4.4	Market appraisal , technical Appraisal	3	Lecture	PPT & White board
4.5	Financial appraisal	2	Flipped Learning	Online/ E-Content/ Text Books /Materials
4.6	Preparation of a Specimen of Project Proposal	1	Discussion	Black Board
UNIT -5	**INSTITUTIONAL SUPPORT FOR SSI**			
5.1	Setting up of small scale industries	1	Discussion	Black Board
5.2	Role of institutions in promoting LIC – SIDC – SIDBI – SIDCO – SFC - EXIM– IDBI – IRBI – ICICI – IFCI	3	Chalk & Talk	Black Board
5.3	Commercial Banks	2	Lecture	PPT & White board
5.4	Incentives schemes	3	Lecture	PPT & White board
5.5	Concession provided to small scale industries	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED

CO 1	Outline the entrepreneurial framework and explore their personality traits	K2	PSO1
CO 2	Explain the EDP Training Programmes and institutions.	K3	PSO2
CO 3	Identify the problems of women entrepreneur and face the challenges with Governmental support.	K4	PSO3
CO 4	Analyze and formulate a business plan.	K4	PSO4
CO 5	Assess the financial institutions and a roadmap to utilize the various incentives schemes.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name:Dr. B. Jayanthi

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA303A	Marketing Research	Major Elective	5	5

COURSE DESCRIPTION

This course deals with planning relevant data collection analysis and communication of such results. It deals with monitoring marketing performance and improves understanding.

COURSE OBJECTIVES

This course introduces marketing research techniques to the students and makes them to realise the importance of marketing research.

UNITS

UNIT –I MARKETING RESEARCH (12 HRS.)

Introduction & Uses: Scientific method and the research process: Limitations of marketing research

UNIT –II MARKETING RESEARCH PROCESS (12 HRS.)

Research objectives and information needs, Types of research, Search for secondary data.

UNIT –III METHODS OF COLLECTING DATA (12 HRS.)

Sampling & sampling methods specific to marketing problems, Data collection and the field – force, scaling techniques

UNIT –IV DATA PROCESSING (12 HRS.)

Preparation of tabulation of collected data, Research presentation and its evaluation

UNIT –V APPLICATION OF MARKETING RESEARCH (12 HRS.)

dentifying marketing segments, Product research, Advertising research, Market and sales analysis research, Integrated marketing communication and research

SELF STUDY:

Search for secondary data

TEXT BOOK :

1. Boyd Jr, Harper W. Marketing Research: Text and Cases / Harper W Boyd Jr, Ralph Westfall and Stanley Stasch. -7th Ed. New Delhi: All Indian Traveller Book, 2004.

REFERENCE BOOKS :

1. Beri, GC. Marketing Research. –5th ed. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2013.
2. Green, Paul, E. Research for Marketing Decisions. --5th Ed. New Delhi: Prentice Hall of India Pvt Ltd, 2002.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.uww.edu/Documents/acadaff/AssessmentDay/BasicMarketingResearchVol1.pdf
2. http://web.ftvs.cuni.cz/hendl/metodologie/marketing-research-an-introduction.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**MARKETING RESEARCH**			
1.1	Introduction	3	Chalk & Talk	Black Board
1.2	Uses	2	Discussion	Black Board

1.3	Scientific method and the research process	5	Lecture	PPT & White board
1.4	Limitations of marketing research	2	Lecture	Smart Board
UNIT -2	**MARKETING RESEARCH PROCESS**			
2.1	Research objectives	3	Lecture	Green Board Charts
2.2	Information needs	2	Chalk & Talk	Green Board
2.3	Types of research	4	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
2.4	Search for secondary data.	3	Blended Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -3	**METHODS OF COLLECTING DATA**			
3.1	Sampling	3	Chalk & Talk	Black Board
3.2	Sampling methods specific to marketing problems	3	Chalk & Talk	LCD
3.3	Data collection and the field – force,	4	Lecture	PPT & White board
3.4	Scaling techniques	2	Lecture	Smart Board
UNIT -4	**DATA PROCESSING**			
4.1	Preparation of tabulation of collected data	6	Lecture	Green Board Charts
4.2	Research presentation and its	6	Chalk &	Green Board

	evaluation		Talk	
UNIT -5	**APPLICATION OF MARKETING RESEARCH**			
5.1	Identifying marketing segments	1	Discussion	Black Board
5.2	Product research	3	Chalk & Talk	Black Board
5.3	Advertising research	2	Lecture	PPT & White board
5.4	Market and sales analysis research	3	Lecture	PPT & White board
5.5	Integrated marketing communication and research	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the importance research process	K2	PSO1
CO 2	Study the importance of research and information	K2	PSO2
CO 3	Understand the process and methods of Data collection.	K2, K3	PSO3
CO 4	Explain Data presentation interpretation and evaluation.	K4	PSO4
CO 5	Assess the application of marketing research in different forms.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA
SEMESTER –III
For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA303B	Advertising Management	Major Elective	5	5

COURSE DESCRIPTION

This course introduces integrated communication – advertising public relations – process and practices.

COURSE OBJECTIVES

This course prepare the students to design advertisement programme for an organisation

UNITS

UNIT –I INTRODUCTION (12 HRS.)

Introduction, Objectives, Activities included – excluded - Communication & Advertising Objectives - Behavioral principles of Advertising -Communication Models- psychological principles of Advertising - Economic Effects of advertising – Ethics in Advertising.

UNIT –II ADVERTISING APPEAL (12 HRS.)

Advertising Appeal – Issues of Motivation, Appeals, Use of Personalities, Humor - Advertising Budget - Objectives, Sales generating effects, Marginal Analysis - Budgetary process, Budget period, Flexibility, Factors influencing budget allocation, Budget Approaches for appropriation.

UNIT –III MEDIA PLANNING (12 HRS.)

Advertising Media Planning – Concept, Factors determining frequency levels, Media Selection considerations, Media weight theories, computers & models, Media selection - Classification – Introduction, Classification of Media.

UNIT –IV LAYOUT OF ADVERTISEMENT (12 HRS.)

Creative strategy - Planning and Development – advertising creativity – the creative individual- creative process- creative strategy development.-copy writing- copy structure-characteristic of effective copy-advertisement layout - layout procedure- principles of effective layout.

UNIT –V ADVERTISING EFFECTIVENESS (12 HRS.)

Advertising Research -Evaluating Advertising Effectiveness- reasons for testing advertising-measuring effectiveness of advertising – pretesting - theme testing – copy research - post testing.

SELF STUDY:

Ethics in Advertising

TEXT BOOK :

1. Advertising Management – An Indian Perspective P.K. Agarwal, Pragati Prakashan Publication, 2019 , Chapters: 10,11,12,13,14,16,17,18,19,21,22

REFERENCE BOOKS :

1. Advertising Management – V Edition - Rajeev Batra, John G. Myers, David A. Aaker Prentice Hall of India Pvt. Ltd., New Delhi.,2013
2. Advertising Management concepts and cases – Manendra Mohan, 1st ed., Tata McGraw- Hill publishing Company Limited, 2017
3. Advertising Management –Rathor, Himalaya Publishing House.,2013

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.eiilmuniversity.co.in/downloads/Advertising-Management.pdf
2. http://www.cbsmohali.org/course_material/third_semester/Advertising%20Management%20MBA%20902.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction, Objectives, Activities included – excluded	3	Chalk & Talk	Black Board
1.2	Communication & Advertising Objectives	2	Chalk & Talk	LCD

1.3	Communication Models, Advertising psychology principles of learning	2	Lecture	PPT & White board
1.4	Economic criticisms, Advertising, cost, & demand	2	Lecture	Smart Board
1.5	Consumerism, Cultural values & Ethics in Advertising	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Advertising in India	1	Discussion	Google classroom
UNIT -2	**ADVERTISING APPEAL**			
2.1	Advertising Appeal – Issues of Motivation, Appeals, Use of Personalities, Humor	2	Lecture	Green Board Charts
2.2	Advertising Budget - Objectives, Sales generating effects, Marginal Analysis -	2	Chalk & Talk	Green Board
2.3	Budgetary process, Budget period, Flexibility,	3	PPT	LCD
2.4	Factors influencing budget allocation	3	PPT	LCD
2.5	Budget Approaches for appropriation.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**MEDIA PLANNING**			
3.1	Advertising Media Planning – Concept, Factors determining frequency levels,	4	Lecture	PPT & White board
3.2	Media Selection considerations, Media weight theories, computers & models, Media	4	Lecture	PPT & White board

	selection -			
3.3	Classification – Introduction, Classification of Media.	4	Chalk & Talk	Black Board
UNIT -4	**LAYOUT OF ADVERTISEMENT**			
4.1	Creative strategy - Planning and Development – advertising creativity	2	Discussion	Black Board
4.2	The creative individual- creative process- creative strategy development.-	2	Chalk & Talk	Black Board
4.3	Copy writing- copy structure	2	Lecture	PPT & White board
4.4	Characteristic of effective copy	3	Lecture	PPT & White board
4.5	Advertisement layout - layout procedure	2	Flipped Learning	Online/ E-Content/ Text Books
4.6	Principles of effective layout	1	Discussion	Black Board
UNIT -5	**ADVERTISING EFFECTIVENESS**			
5.1	Advertising Research - Evaluating Advertising Effectiveness	1	Discussion	Black Board
5.2	Reasons for testing advertising- measuring effectiveness of advertising	3	Chalk & Talk	Black Board
5.3	Pretesting - theme testing	2	Lecture	PPT & White board
5.4	Copy research	3	Lecture	PPT & White board
5.5	Post testing.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand the need for advertisement and current scenario in advertising.	K2	PSO1
CO 2	Explain the role of advertising agencies.	K2	PSO2

CO 3	Create advertisement for a product.	K3	PSO3
CO 4	Assess the various media for advertising.	K4	PSO4
CO 5	Compile research and advertising effectively.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA303C	Sales And Distribution Management	Major Elective	5	5

COURSE DESCRIPTION

This course introduces the participants to sales and distribution practices. It exposes the participants to the tools and strategies necessary for designing, motivating and evaluating sales and distribution systems.

COURSE OBJECTIVES

This course enables students to understand the concept of sales and Distribution system.

UNITS

UNIT –I SALES MANAGEMENT (12 HRS.)

Evolution of the sales Department- Objectives of Sales Management- Sales Management and Financial results-Sales executives as Coordinator - Organization and coordination-Planning and coordination- Coordination with the other elements in the Marketing Program-Coordination with the distribution network-Coordination and Implementation of overall Marketing strategy-Sales Management and Control-Sales control-Informal and Formal Sales Control and organization.

UNIT –II SALESMANSHIP (12 HRS.)

Theories of selling-AIDAS theory of selling-Right set of Circumstance theory of selling- Buying Formula theory of selling –Behavioural Equation theory – prospective steps in prospecting- Sales Resistance- Closing sales.

UNIT –III PERSONAL SELLING (12 HRS.)

Objectives-personal selling in the marketing mix-Role of personal selling in pricing strategy-Role of personal selling in Distribution strategy –Role of personal selling in promotional strategy

UNIT –IV SALES FORCE MANAGEMENT (12 HRS.)

Recruitment-Selecting Sales personal-Planning Sales training programs-Executives and evaluating Sales training program - Motivating Sales personal – Controlling sales personal

UNIT –V DISTRIBUTION MANAGEMENT (12 HRS.)

Marketing channels and the physical Distribution approach – Factors affecting the selection of Distribution channel. Transportation and physical distribution systems- Warehousing, order processing. Inventory Decisions EOQ, ABC Analysis, and Forecasting as an aid to distribution

SELF STUDY:

Transportation and physical distribution systems

TEXT BOOK :

1. Still, Richard R.,Sales Management: Decisions, Strategies and Cases / Richard R Still, Edward W Cundiff and Norman A P Govoni. --5th ed.,Pearson Education Inc.,Delhi., 2013

REFERENCE BOOKS :

1. Johnson, Eugene M., Sales Management: Concepts, Practices and Cases / Eugene M Johnson, David L Kurtz and Eberhard E Scheuing.,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 1994.
2. Futrell, Charles M.,Sales Management: Teamwork, Leadership, and Technology. --6th ed.,New York: Holt Rinehart and Winston Inc, 2001.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.stet.edu.in/SSR_Report/Study%20Material/PDF//MBA/6-2.pdf
2. http://www.mgcub.ac.in/pdf/material/20200408021448bb3f8e0efa.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**SALES MANAGEMENT**			
1.1	Evolution of the sales Department- Objectives of Sales Management	3	Chalk & Talk	Black Board
1.2	Sales Management and Financial results	2	Chalk & Talk	LCD
1.3	Sales executives as Coordinator - Organization and coordination	2	Lecture	PPT & White board
1.4	Planning and coordination- Coordination with the other	2	Lecture	Smart Board

	elements in the Marketing Program			
1.5	Coordination with the distribution network-Coordination and Implementation of overall Marketing strategy	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Sales Management and Control-Sales control-Informal and Formal Sales Control and organization.	1	Discussion	Google classroom
UNIT -2	**SALESMANSHIP**			
2.1	Theories of selling-AIDAS theory of selling	2	Lecture	Green Board Charts
2.2	Right set of Circumstance theory of selling	2	Chalk & Talk	Green Board
2.3	Buying Formula theory of selling	3	PPT	LCD
2.4	Behavioural Equation theory	3	PPT	LCD
2.5	Prospective steps in prospecting, Sales Resistance-Closing sales	2	Flipped Learning	Online/ E-Content
UNIT -3	**PERSONAL SELLING**			
3.1	Objectives-personal selling in the marketing mix	4	Lecture	PPT & White board
3.2	Role of personal selling in pricing strategy-Role of personal selling in Distribution strategy	4	Lecture	PPT & White board
3.3	Role of personal selling in promotional strategy	4	Chalk & Talk	Black Board
UNIT -4	**SALES FORCE MANAGEMENT**			
4.1	Recruitment	2	Discussion	Black Board
4.2	Selecting Sales personal	2	Chalk & Talk	Black Board
4.3	Planning Sales training programs	2	Lecture	PPT & White board

4.4	Executives and evaluating Sales training program	3	Lecture	PPT & White board
4.5	Motivating Sales personal	2	Flipped Learning	Online/ E-Content
4.6	Controlling sales personal	1	Discussion	Black Board
UNIT -5	**DISTRIBUTION MANAGEMENT**			
5.1	Marketing channels and the physical Distribution approach	1	Discussion	Black Board
5.2	Factors affecting the selection of Distribution channel	3	Chalk & Talk	Black Board
5.3	Transportation and physical distribution systems	2	Lecture	PPT & White board
5.4	Warehousing, order processing.	3	Lecture	PPT & White board
5.5	Inventory Decisions EOQ, ABC Analysis, and Forecasting as an aid to distribution	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**
K3	**5**	-	-	**5**	**10**		**10**	**20%**
K4	**5**	**5**	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	-	**10**		**10**	**20%**

Non Scholastic	**-**	**-**	**-**	**-**	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks

C5 - Attendance 1 - 5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the Concept of selling and sales management.	K2	PSO1
CO 2	Explain the theories on salesmanship and personal selling.	K2	PSO2
CO 3	Assess the role of personal selling in distribution and promotional strategy.	K3	PSO3
CO 4	Discuss sales force management and training programme.	K4	PSO4
CO 5	Analyse channel of distribution and various distribution systems.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA303D	Customer Relationship Management	Major Elective	5	5

COURSE DESCRIPTION

This course plans to impart a sound introduction and components involved in CRM.

COURSE OBJECTIVES

This course helps the students to understand the CRM as a business strategy.

UNITS

UNIT –I INTRODUCTION (12 HRS.)

Significance of customer relationship management – why organizations lose their customers – strategies for building relationship – modules in CRM – customer service and support applications – CRM applications and objectives-key requirements for CRM – marketing dynamics relating to CRM – CRM channels of customer interactions. Electronic CRM, Enterprise CRM, Partner relationship management, collaborative CRM, Supplier Relationship management, Mobile CRM, X-CRM, Operational – Analytical CRM

UNIT–IIBUILDING CUSTOMER RELATIONSHIP MANAGEMENT (12 HRS.)

Customer Acquisition -input fort Acquisition – Requisites for Effective acquisition- attention on Adoption process – customer interaction management (CIM) – Routes to CIM- customer retention – stages of retention in the customer life cycle – sequences in retention process – perceptual gaps and relation – retention centred organization – recovery of lapsed customer – customer's defect- strategies to prevent defection and recover lapsed customers.

UNIT –III CRM PROCESS (12 HRS.)

Introduction and objectives of a CRM process – CRM business transformation – CRM: A comparison with CMM Levels.

UNIT –IV CRM IMPLEMENTATION (12 HRS.)

Choosing the right CRM solution – the warning of implementation – implementation CRM: A step-by-step process- best practices – scope

UNIT –V AN INSIGHT INTO E-CRM (12 HRS.)

Evolution to eCRM – CRM and eCRM: the difference – need to adopt eCRM – basic requirement of eCRM – three dimensions in eCRM – key eCRM features- CRM architecture – Customer interaction – method –problems with eCRM solutions – eCRM tools- portals.

SELF STUDY:

CRM business transformation

TEXT BOOK :

1. Mohamed, H Peeru, Customer Relationship Management: A Step-By-step Approach, New Delhi: Vikas Publishing House Pvt Ltd, 2013.

REFERENCE BOOKS :

1. James G. Barnes, Secrets of Customer Relationship Management: It's all about how you make them feel, McGraw Hill.,2006.
2. Stanley A. Brown and Moosha Culcz, Performance Driven CRM: How to make your CRM vision a reality, Wiley publications, 2006.
3. Cartwright, Roger I., Mastering Customer Relations, Chennai: Macmillan, 2000.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.onebusiness.ca/sites/default/files/MEDI_Booklet_Customer_Relationship_Management_Accessible_E.pdf
2. https://ebooks.lpude.in/management/bba/term_6/DMGT308_CUSTOMER_RELATIONSHIP_MANAGEMENT.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Significance of customer relationship management	3	Chalk & Talk	Black Board
1.2	why organizations lose their customers – strategies for building relationship	2	Chalk & Talk	LCD
1.3	modules in CRM – customer service and support applications	2	Lecture	PPT & White board
1.4	CRM applications and objectives- key requirements for CRM	2	Lecture	Smart Board
1.5	Marketing dynamics relating to CRM – CRM channels of customer interactions	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Electronic CRM, Enterprise CRM, Partner relationship management, collaborative CRM, Supplier Relationship management, Mobile CRM, X-CRM, Operational – Analytical CRM	1	Discussion	Google classroom

UNIT -2 BUILDING CUSTOMER RELATIONSHIP MANAGEMENT				
2.1	Customer Acquisition -input fort Acquisition – Requisites for Effective acquisition- attention on Adoption process	2	Lecture	Green Board Charts
2.2	Customer interaction management (CIM) – Routes to CIM	2	Chalk & Talk	Green Board
2.3	Customer retention – stages of retention in the customer life cycle – sequences in retention process –	3	PPT	LCD
2.4	Perceptual gaps and relation – retention centred organization	3	PPT	LCD
2.5	Recovery of lapsed customer – customer's defect- strategies to prevent defection and recover lapsed customers.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**CRM PROCESS**			
3.1	Introduction and objectives of a CRM process	4	Lecture	PPT & White board
3.2	CRM business transformation	4	Lecture	PPT & White board
3.3	CRM: A comparison with CMM Levels.	4	Chalk & Talk	Black Board
UNIT -4	**CRM IMPLEMENTATION**			
4.1	Choosing the right CRM solution	2	Discussion	Black Board
4.2	The warning of implementation	3	Chalk & Talk	Black Board
4.3	Implementation CRM: A step-by-step process	3	Lecture	PPT & White board

4.4	Best practices	3	Lecture	PPT & White board
4.5	Scope	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -5	**AN INSIGHT INTO E-CRM**			
5.1	Evolution to E-CRM	1	Discussion	Black Board
5.2	CRM and eCRM: the difference – need to adopt Ecrm	3	Chalk & Talk	Black Board
5.3	Basic requirement of eCRM – three dimensions in eCRM	2	Lecture	PPT & White board
5.4	Key eCRM features- CRM architecture	3	Lecture	PPT & White board
5.5	Customer interaction – method – problems with eCRM solutions – eCRM tools- portals.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%

K5	-	**5**	**5**	-	**10**		**10**	**20%**
Non Scholastic	-	-	-	-	-	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

Nos

C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
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C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Assess the need for and different mode of CRM.	K2	PSO1
CO 2	Identify various aspects related to CRM.	K2	PSO2
CO 3	Explain customer relationship Management process.	K3	PSO3
CO 4	Analyze the implication of CRM.	K4	PSO4
CO 5	Compile E-CRM with traditional CRM.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2

CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA303E	Brand Management	Major Elective	5	5

COURSE DESCRIPTION

This course provides students with insights into how profitable brand strategies can be created and the implications for brand management professionals.

COURSE OBJECTIVES

This Course provides and insight to the concept of brand and brand management.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Brand – Brand identify – Brand Image – brand Personality – Brand Loyalty and the connected issues. Brand Positioning – Repositioning – Brand Equity: Conceptualization and measurement.

UNIT II : PRODUCT [12 HRS]

Life Cycle as a strategic tool – New product development process- New product Development Team – achieving cross functional integration

UNIT III : PRODUCT ELEMENT DECISION [12 HRS]

Introduction – package design – Test marketing – product launch strategies- Product Market strategies for Indian Brands

UNIT IV : BRAND PORTFOLIO MANAGEMENT [12 HRS]

Brand extension – Line extensions – Brand harvesting strategies – Brand building strategies.

UNIT V:BRAND VALUATION [12 HRS]

Brand audit – Brand management plan – Role of product managers, Brand managers – Organizing the Brand Management systems.

SELF STUDY:

Marketing Strategies for Indian Brands

TEXT BOOK :

1. Gupta, S L. Brand Management: Text & Cases (an Indian Perspective)., Mumbai: Himalaya Publishing House, 2005.

REFERENCE BOOKS :

1. Verma, Harsh. Brand Management. New Delhi: Excel Books, 2002.
2. Moorthi, Y L R,.Brand Managment:The Indian Context.New Delhi: Vikas Publishing House Pvt Ltd, 2010.
3. Aaker, David A. Brand Leadership. New York: Charles Scribner`s Sons, 2000.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://ebooks.lpude.in/management/mba/term_4/DMGT508_PRODUCT_AND_BRAND_MANAGEMENT.pdf
2. http://brandabout.ir/wp-content/uploads/Keller_Strategic_Brand_ManagementBookFi.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Brand – Brand identify	3	Chalk & Talk	Black Board
1.2	Brand Image – brand Personality	2	Chalk & Talk	LCD
1.3	Brand Loyalty and the connected issues.	2	Lecture	PPT & White board

1.4	Brand Positioning – Repositioning	2	Lecture	Smart Board
1.5	Brand Equity: Conceptualization and measurement.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**PRODUCT**			
2.1	Life Cycle as a strategic tool	3	Lecture	Green Board Charts
2.2	New product development process	3	Chalk & Talk	Green Board
2.3	New product Development Team	3	PPT	LCD
2.4	Achieving cross functional integration	3	PPT	LCD
UNIT -3	**PRODUCT ELEMENT DECISION**			
3.1	Introduction – package design	4	Lecture	PPT & White board
3.2	Test marketing – product launch strategies	4	Lecture	PPT & White board
3.3	Product Market strategies for Indian Brands	4	Chalk & Talk	Black Board
UNIT -4	**BRAND PORTFOLIO MANAGEMENT**			
4.1	Brand extension	3	Discussion	Black Board
4.2	Line extensions	3	Chalk & Talk	Black Board
4.3	Brand harvesting strategies	3	Lecture	PPT & White board
4.4	Brand building strategies.	3	Lecture	PPT & White board
UNIT -5	**BRAND VALUATION**			
5.1	Brand audit	3	Discussion	Black Board
5.2	Brand management plan	3	Chalk & Talk	Black Board
5.3	Role of product managers, Brand managers	3	Lecture	PPT & White board
5.4	Organizing the Brand Management systems	3	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Revise branding, positioning and connected issues.	K2	PSO1

CO 2	Compile new product development with branding.	K2	PSO2
CO 3	Discuss product launch strategies.	K3	PSO3
CO 4	Analyze the role of brand in Portfolio Management.	K4	PSO4
CO 5	Explain brand management plan and systems.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA303F	Digital	Major	5	5

		Marketing	**Elective**		

COURSE DESCRIPTION

This course enables the students to learn and master the complete landscape of online marketing and associated channels.

COURSE OBJECTIVES

This course makes the students integrate recent technology in marketing.

UNITS

UNIT I : FUNDAMENTALS OF DIGITAL MARKETING [12 HRS]

Introduction – Past, present and future scenario of digital marketing – fundamentals of digital marketing

UNIT II : CONSUMER BEHAVIOR [12 HRS]

Introduction – consumers in 21st century - Online consumer behaviour: Hoffman's model – consumer buying process – environmental factors influencing customer choice – types of consumer buying behaviour- online consumer behavioural pattern – online behavioural targeting – web marketing

UNIT III : MARKETING STRATEGY [12 HRS]

E-Marketing research – Segmentation – Targeting – Differentiation and positioning strategies for digital marketing

UNIT IV : DIGITAL MARKETING MIX PLANNING [12 HRS]

Product decisions – pricing decisions – promotion decisions – internet for distribution

UNIT V:LEGAL AND ETHICAL ISSUES [12 HRS]

Overview – ethics and ethical codes- problem of self regulation – Privacy – Digital property: patents, copyright, trademarks, licenses, trade secrets and data ownership – electronic payment system - emerging issues

SELF STUDY:

Web marketing

TEXT BOOK :

1. e-Marketing – Judy Strauss and Raymond Frost – Prentice Hall of India,

REFERENCE BOOKS :

1. e- Marketing, Prof. Vinod V.Sople, Dreamtech publications
2. Understanding Digital marketing, Damian Ryan and Calvin Jones Kogan Page India Pvt Ltd
3. e- Marketing, Malcolm McDonald and Hugh Wilson, Pearson.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.digitalmarketer.com/digital-marketing/assets/pdf/ultimate-guide-to-digital-marketing.pdf
2. https://netmining.com/wp-content/uploads/2015/09/Netmining-Marketing-Big-Book.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**FUNDAMENTALS OF DIGITAL MARKETING**			
1.1	Introduction	4	Chalk & Talk	Black Board
1.2	Past, present and future scenario of digital marketing	4	Chalk & Talk	LCD
1.3	Fundamentals of digital marketing	4	Lecture	PPT & White board
UNIT -2	**CONSUMER BEHAVIOUR**			
2.1	Introduction – consumers in 21st century	2	Lecture	Green Board Charts
2.2	Online consumer behaviour	2	Chalk & Talk	Green Board
2.3	Hoffman's model	3	PPT	LCD
2.4	Consumer buying process – environmental factors influencing customer choice	3	PPT	LCD
2.5	Types of consumer buying behaviour- online consumer behavioural pattern – online behavioural targeting – web	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/

	marketing			
UNIT -3	**MARKETING STRATEGY**			
3.1	E-Marketing research	4	Lecture	PPT & White board
3.2	Segmentation – Targeting	4	Lecture	PPT & White board
3.3	Differentiation and positioning strategies for digital marketing	4	Chalk & Talk	Black Board
UNIT -4	**DIGITAL MARKETING MIX PLANNING**			
4.1	Product decisions	3	Discussion	Black Board
4.2	Pricing decisions	3	Chalk & Talk	Black Board
4.3	Promotion decisions	3	Lecture	PPT & White board
4.4	Internet for distribution	3	Lecture	PPT & White board
UNIT -5	**LEGAL AND ETHICAL ISSUES**			
5.1	Overview – ethics and ethical codes	1	Discussion	Black Board
5.2	Problem of self regulation – Privacy – Digital property: patents, copyright, trademarks, licenses,	3	Chalk & Talk	Black Board
5.3	Trade secrets and data ownership	2	Lecture	PPT & White board
5.4	Electronic payment system	3	Lecture	PPT & White board
5.5	Emerging issues	3	Flipped Learning	Online/ E-Content/ Text Books /Materials

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	

K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

Nos

C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explain the evolution of digital marketing.	K2	PSO1
CO 2	Revise consumer buying behaviour and process.	K2	PSO2
CO 3	Analyse segmentation, Targeting and positioning in digital marketing.	K3	PSO3
CO 4	Assess digital marketing mix.	K4	PSO4
CO 5	Discuss relevant issues related to digital marketing.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2

CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	**19MBA304A**	**E –**	**Major**	**5**	**5**

		Commerce	**Elective**		

COURSE DESCRIPTION

This course illustrates the electronic way of commerce and trade in the business world. The various models of e-commerce, e-payment modes and the safety approached in transactions are also included in this course for the better understanding of the students.

COURSE OBJECTIVES

To enable the students to know the electronic way of business and trade and to get in depth

UNITS

UNIT I: e-COMMERCE [12 HRS]

Environment & opportunities – background – E-Com environment – electronic market place technologies – applications – impact on market and society – impact on business environment – challenges – evolution – Indian scenario – international scenario.

UNIT II: MODELS [12 HRS]

overview – Electronic data interchange – Electronic commerce with www/internet – types of digital channels – merits and demerits – business to consumer – business to business – peer to peer – consumer to consumer – mobile commerce.

UNIT III: SAFETY APPROACHES [12 HRS]

Overview – Secure transport protocols – secure transactions – Secure Electronic payment Protocol (SEPP) – SET certificates for authentication – security on web servers & enterprise networks – conclusion.

UNIT IV: e-CASH **[12 HRS]**

Internet monetary payment & security requirements – payment & purchase order process – online Electronic cash – settlement system – mechanism of transaction – processing cycle for online payment – regulatory acts and laws.

UNIT V: SECURITY & APPLICATIONS **[12 HRS]**

Need for computer security – specific intruder approaches – security strategies – security tools – Encryption – Enterprise networking and access to the internet – Antivirus programs – security teams. Advertising on the Internet, Electronic Publishing – EP, Web based electronic publishing

SELF STUDY:

Electronic market place technologies.

TEXT BOOK :

1. Janice Reynolds **,** The Complete E-Commerce Book**,**Europe, McGraw-Hill Education, 2015

REFERENCE BOOKS :

1. Minoli, Daniel, Web Commerce Technology Handbook., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2015.
2. Kamlesh K Bajaj, E-Commerce / Kamlesh K Bajaj, and Nag Debjani. 2nd ed. New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2005.
3. Murthy, C S V,Enterprise Resource Planning:Text and Case Studies.,Mumbai: Himalaya Publishing House, 2008

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://irpcdn.multiscreensite.com/1c74f035/files/uploaded/introduction-to-e-commerce.pdf
2. https://www.geektonight.com/e-commerce-notes/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids

UNIT -1	**e-COMMERCE**			
1.1	Environment & opportunities – background	1	Chalk & Talk	Black Board
1.2	E-Com environment	2	Chalk & Talk	LCD
1.3	Electronic market place technologies – applications	2	Lecture	PPT & White board
1.4	Impact on market and society	1	Lecture	Smart Board
1.5	Impact on business environment	2	Lecture	Black Board
1.6	Challenges	2	Discussion	Google classroom
1.7	Evolution – Indian scenario – international scenario	2	Lecture	Black Board
UNIT -2	**MODELS**			
2.1	Overview	1	Lecture	Green Board Charts
2.2	Electronic data interchange	2	Chalk & Talk	Green Board
2.3	Electronic commerce with www/internet	2	Flipped Learning	E- Content
2.4	Types of digital channels – merits and demerits	2	Blended Learning	Online/ Field visit
2.5	Business to consumer	2	Lecture	PPT & White board
2.6	Business to business -	1	Lecture	Smart Board
2.7	Peer to peer – consumer to consumer	1	Lecture	Black Board

2.8	Mobile commerce	1	Discussion	Google classroom
UNIT -3	**SAFETY APPROACHES**			
3.1	Overview – Secure transport protocols – secure transactions –	3	Lecture	Green Board Charts
3.2	Secure Electronic payment Protocol (SEPP) –	3	Chalk & Talk	Green Board
3.3	SET certificates for authentication –	3	Flipped Learning	E- Content
3.4	Security on web servers & enterprise networks – conclusion	3	Blended Learning	Online/ Field visit
UNIT -4	**e-CASH**			
4.1	Internet monetary payment & security requirements –.	3	Blended Learning	Online/ Field visit
4.2	Payment & purchase order process –	2	Lecture	PPT & White board
4.3	Online Electronic cash – settlement system –	2	Lecture	Smart Board
4.4	Mechanism of transaction – processing cycle for online payment	2	Lecture	Black Board
4.5	Regulatory acts and laws	3	Discussion	Google classroom
UNIT -5	**SECURITY & APPLICATIONS**			
5.1	Need for computer security	2	Lecture	Green Board Charts
5.2	Specific intruder approaches – security strategies –	3	Chalk & Talk	Green Board

5.3	Security tools –	2	Flipped Learning	E- Content
5.4	Encryption – Enterprise networking and access to the internet – Antivirus programs – security teams.	3	Blended Learning	Online/ Field visit
5.5	Advertising on the Internet, Electronic Publishing – EP, Web based electronic publishing	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Create an idea about e-market and its opportunities.	K2	PSO1
CO 2	Give a frame work of various modes of e-commerce.	K2	PSO2
CO 3	Emphasize the securities and safety measures for online transactions.	K3	PSO3
CO 4	Sketch out the mode of purchase and cash payments.	K4	PSO4
CO 5	Insist on upcoming trends in e-commerce.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2

CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA304B	Introduction To GUI& Visual Basic	Major Elective	5	5

COURSE DESCRIPTION

This course aims to introduce the students about graphical user interface and its applications in business. The SQL, programming and its concepts are also focused in this course for the knowledge of the students in recent developments in software and systems technology.

COURSE OBJECTIVES

To provide sound knowledge on visual Basic concepts and its application in business

UNITS

UNIT I: GUI [12 HRS]

Introduction – Front end tools – Applications – Criteria of choosing front end tool – Introducing visual basic – Adding code & using events – user interface and interactions – WIMP – concepts and importance.

UNIT II: INTRINSIC VISUAL BASIC CONTROLS [12 HRS]

Meaning – applications of Intrinsic Visual basic controls – working with strings – control properties – object, value and property – control methods – control events – widgets and descriptions

UNIT III: CONTROL STATEMENTS [12 HRS]

Working with numbers – Using control statements – if – loop – for – while – switch – format and algorithm – blocks – call – return statements

UNIT IV: VB APPLICATIONS [12 HRS]

Using Dialog boxes – Using menus in VB applications – design – automations – security concerns – development – performance and other issues – creating application – managing macros – importance and applications

UNIT V: FILES & DATA BASE [12 HRS]

Using Files & Data base – creating database application – connecting data control to database – database access – ADO.NET object model – data provider – concepts – data set – components

SELF STUDY:

Using menus in VB applications.

REFERENCES:

TEXT BOOK :

1. Gottfried, Byron, S, Visual Basic, New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2001.

REFERENCE BOOKS :

1. Kent, Jeff, Visual Basic 2005 Demystified.,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2006.
2. VB.NET Language in a Nutshell, Steven Roman, 1st Edition, O'Reilly Media, 2016.
3. Beginning Visual Basic 2015, Bryan Newsome , 1st Edition, Wrox , 2016

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.digitalmarketer.com/digital-marketing/assets/pdf/ultimate-guide-to-digital-marketing.pdf
2. https://netmining.com/wp-content/uploads/2015/09/Netmining-Marketing-Big-Book.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**GUI**			
1.1	Introduction	1	Chalk & Talk	Black Board
1.2	Front end tools – Applications	1	Chalk & Talk	LCD
1.3	Criteria of choosing front end tool – Introducing visual basic	2	Lecture	PPT & White board
1.4	Adding code & using events –	1	Lecture	Smart Board
1.5	User interface and interactions	4	Lecture	Black Board
1.6	WIMP – concepts and importance	3	Lecture	Black Board
UNIT -2	**INTRINSIC VISUAL BASIC CONTROLS**			
2.1	Meaning – applications of Intrinsic Visual basic controls	1	Lecture	Green Board Charts
2.2	Working with strings	2	Chalk & Talk	Green Board
2.3	Control properties	2	Flipped Learning	E- Content
2.4	Object, value and property	2	Blended Learning	Online/ Field visit
2.5	Control methods	2	Lecture	PPT & White board
2.6	Control events	1	Lecture	Smart Board

2.7	Widgets and descriptions	2	Lecture	Black Board
UNIT -3 CONTROL STATEMENTS				
3.1	Working with numbers	2	Lecture	Green Board Charts
3.2	Using control statements	2	Chalk & Talk	Green Board
3.3	If – loop – for – while – switch – format and algorithm –	3	Flipped Learning	E- Content
3.4	Blocks	3	Blended Learning	Online/ Field visit
3.5	Call – return statements	2	Lecture	PPT & White board
UNIT -4 VB APPLICATIONS				
4.1	Using Dialog boxes	3	Blended Learning	Online/ Field visit
4.2	Using menus in VB applications – design – automations	3	Lecture	PPT & White board
4.3	Security concerns – development – performance and other issues	3	Lecture	Smart Board
4.4	Creating application – managing macros – importance and applications	3	Lecture	Black Board
UNIT -5 FILES & DATA BASE				
5.1	Using Files & Data base	2	Lecture	Green Board Charts
5.2	Creating database application	3	Chalk & Talk	Green Board
5.3	Connecting data control to database – database access	2	Flipped Learning	E- Content
5.4	ADO.NET object model – data provider – concepts	3	Blended Learning	Online/ Field visit

5.5	Data set – components	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**

✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Insists on applications of Front end tools	K2	PSO1
CO 2	Provide knowledge about working with strings.	K2	PSO2
CO 3	Give views on usage of control statements	K3	PSO3
CO 4	Provide information about VB menus.	K4	PSO4
CO 5	Explain the usage of files and database.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA304C	Enterprise Resource Planning	Major Elective	5	5

COURSE DESCRIPTION

This practical course gives knowledge about the applications of enterprise resource planning in various functions of an organisation. This course insists on the various technologies such as SAP, e-payment, e-HRM, OLAP.

COURSE OBJECTIVES

To enable the students to gain in depth knowledge on recent developments in Enterprise Resource Planning and its concepts.

UNITS

UNIT I: INTRODUCTION OF ERP [12 HRS]

Introduction – ERP – An overview – Enterprise – An overview Benefits of ERP – ERP and rxelated Technologies – Business Process Reengineering - Data warehousing - Data Mining – Online analytical Processing – Supply Chain Management.

UNIT II: ERP - A MANUFACTURING PERSPECTIVE [12 HRS]

Introduction – Master Production Schedule – Bill of material – Capacity requirement Planning – Loading / Scheduling – Engineering change Management – JIT / Repetitive manufacturing.

UNIT III: ERP MODULES - FINANCE [12 HRS]

Introduction – Day Books (Cash / Bank / Purchase / Sales) – Ledger – Accounts receivable – Accounts Payable – Budget – Costing methods. Production: Supplier selection and monitoring – purchase ordering system – inventory Management system – Quotation – Order processing –

Distribution.Human Resources: Pay roll – Incentive schemes – ESI/PF, Career Planning.

UNIT IV: ERP MARKET [12 HRS]

Introduction – SAP AG – Baan Company –People soft company – Oracle corporation – System software Associates, Inc (SSA)

UNIT V: ERP IMPLEMENTATION [12 HRS]

Life cycle – Introduction – Pre-evaluation screening – package evaluation – Project Planning – Gap analysis – Reengineering Configuration – Implementation Team training – testing – Going live – End user training – Post implementation. Implementation Issues – Organizing the Implementation – Vendors, consultants and users – cultural related issues - Project monitoring – Continuous improvements system – Future Direction in ERP - Cloud ERP – Cloud ERP vs. Traditional ERP - Advantages - Artificial Intelligence in ERP.

SELF STUDY:

Future Direction in ERP

TEXT BOOK :

1. Leon, Alexis.,Enterprise Resource Planning, New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2010.

REFERENCE BOOKS :

1. Garg, Vinod KumarVenkitakirshnan, N., Enterprise Resource Planning: Concepts and Practice.,New Delhi: Prentice Hall of India Pvt Ltd, 2011.
2. Murthy, C S V,Enterprise Resource Planning:Text and Case Studies.,Mumbai: Himalaya Publishing House, 2008.
3. ERP Demystified, Allen, Tata mcgraw hill, newdelhi, 2011

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.fitrix.com/wp-content/uploads/Whitepaper_What_Is_ERP.pdf
2. https://www.zapmeta.co.in/ws?q=enterprise%20resource%20plan&asid=zm_in_gb_1_gc1_01&mt=b&nw=g&de=c&ap=&ac=1854&cid=1755987730&aid=68613435277&kid=kwd-

296606389121&locale=en_IN&gclid=EAIaIQobChMImryuiNvA7gIVSg4rCh0AqwjnEAMYASAAEgKpn_D_BwE

3. https://www.tranquilbs.com/erp-trends/
4. https://www.artsyltech.com/blog/benefits-of-cloud-erp
5. https://www3.technologyevaluation.com/research/article/how-ai-is-transforming-erp.html

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION OF ERP**			
1.1	Introduction – ERP – An overview	1	Chalk & Talk	Black Board
1.2	Enterprise – An overview	1	Chalk & Talk	LCD
1.3	Benefits of ERP	2	Lecture	PPT & White board
1.4	ERP and related Technologies – Business Process Reengineering	1	Lecture	Smart Board
1.5	Data warehousing - Data Mining	4	Lecture	Black Board
1.6	Online analytical Processing – Supply Chain Management	3	Lecture	Black Board
UNIT -2	**ERP - A MANUFACTURING PERSPECTIVE**			
2.1	Introduction – Master Production Schedule	2	Lecture	Green Board Charts
2.2	Bill of material	2	Chalk & Talk	Green Board
2.3	Capacity requirement Planning	2	Flipped	E- Content

			Learning	
2.4	Loading / Scheduling	2	Blended Learning	Online and Field visit
2.5	Engineering change Management	2	Lecture	PPT & White board
2.6	JIT	1	Lecture	Smart Board
2.7	Repetitive manufacturing	1	Lecture	Black Board
UNIT -3 ERP MODULES - FINANCE				
3.1	Introduction – Day Books (Cash / Bank / Purchase / Sales)	1	Lecture	Green Board Charts
3.2	Ledger – Accounts receivable – Accounts Payable	1	Chalk & Talk	Green Board
3.3	Budget – Costing methods	2	Flipped Learning	E- Content
3.4	Production: Supplier selection and monitoring	1	Blended Learning	Online/ Field visit
3.5	Purchase ordering system – inventory Management system – Quotation – Order processing	2	Lecture	PPT & White board
3.6	Distribution - Human Resources:Pay roll – Incentive schemes – ESI/PF	2	Lecture	Black board Board
3.7	Career Planning.	3	Lecture	Black Board
UNIT -4 ERP MARKET				
4.1	Introduction – SAP AG	3	Blended Learning	Field visit
4.2	Baan Company	3	Lecture	White board

4.3	People soft company – Oracle corporation	3	Lecture	Smart Board
4.4	System software Associates, Inc (SSA)	3	Lecture	Black Board
UNIT -5 ERP IMPLEMENTATION				
5.1	Life cycle – Introduction – Pre-evaluation screening – package evaluation	2	Lecture	Green Board Charts
5.2	Project Planning – Gap analysis	3	Chalk & Talk	Green Board
5.3	Reengineering Configuration – Implementation Team training – testing – Going live – End user training	2	Flipped Learning	E- Content
5.4	Post implementation. Implementation Issues – Organizing the Implementation	3	Blended Learning	Online/ Field visit
5.5	Vendors, consultants and users – cultural related issues - Project monitoring – Continuous improvements system – Future Direction in ERP - Cloud ERP – Cloud ERP vs. Traditional ERP - Advantages - Artificial Intelligence in ERP.	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholast	Non Scholast	CIA Total	% of

					ic Marks	ic Marks C5		Assess ment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Frame an outline of ERP and its related technologies.	K2	PSO1
CO 2	Outline the Manufacturing module of ERP.	K2	PSO2
CO 3	Explain the finance and production	K3	PSO3

	module of ERP.		
CO 4	Insist on the Frame work and the market of ERP along with its leading.	K4	PSO4
CO 5	Brief out the ways of ERP implementation and its Process.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA304D	Knowledge Management	Major Elective	5	5

COURSE DESCRIPTION

This course explores the concepts in knowledge database, knowledge architecture and its subsequent implications in business. This course also insists the development of knowledge base in the organisation for is better focus on the functions of the organisation.

COURSE OBJECTIVES

To focus on the linkages of strategy and information technology to manage knowledge management in a rapid change environment.

UNITS

UNIT I: EMERGING BUSINESS [12 HRS]

Introduction-Emerging Business environment-KM imperatives-Demystifying KM-Components of strategic capabilities-Portfolio of approaches -Benefits of KM .

UNIT II: KNOWLEDGE [12 HRS]

Type of Knowledge- Knowledge Management process-Managing KM-Impact of Knowledge Management on organization design- Challenges in KM

UNIT III: ANALYSING [12 HRS]

Vision, Mission and Level of KM-Analysing Industry Environment-Sources of Competitive Advantage-Process of KM and strategy formulation-Implementation Issues

UNIT IV: ARCHITECTURE [12 HRS]

Knowledge architecture - System, Technology and people Issues in KM-Anatomy of KM-Global dimensions of KM-HR Deployment-Communities of Practice (CoP) and KM-Pitfalls of KM.

UNIT V: SUCCESS FACTORS [12 HRS]

Critical success factors in KM-Working social networking-Resources of KM-Digital hub-Impact of information technologies-KM: The Indian Experience.

SELF STUDY:

Global dimensions of KM.

TEXT BOOK :

1. Archana Shula, R.Srinivasan,Designing KM Architecture-,Response Book Publishers, Mumbai , first edition, 2015.

REFERENCE BOOKS :

1. Michael ED.Koening, T.Kanti Srikantaiah ,KM Lessons Learned- -John Wley And Sons Inc., 2010
2. Thomas H.Daveport ,Leveraging HR & KM in changing Economy- Berrett Koehler publishers,2013
3. Todd.R.Groff, Thomas.P.Jones ,Introduction to KM- -Butterworth Publications 2010

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.johngirard.net/km/
2. http://www.cs.unibo.it/~gaspari/www/teaching/slides_KM1a.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**EMERGING BUSINESS**			
1.1	Introduction-Emerging Business environment	1	Chalk & Talk	Black Board

1.2	KM imperatives	3	Chalk & Talk	LCD
1.3	Demystifying KM	2	Lecture	PPT & White board
1.4	Components of strategic capabilities-Portfolio of approaches	3	Lecture	Smart Board
1.5	Benefits of KM	3	Lecture	Black Board
UNIT -2 KNOWLEDGE				
2.1	Type of Knowledge-	1	Lecture	Green Board Charts
2.2	Knowledge Management process	2	Chalk & Talk	Green Board
2.3	Managing KM	3	Flipped Learning	E- Content
2.4	Impact of Knowledge Management on organization design	3	Blended Learning	Online/ Field visit
2.5	Challenges in KM	3	Lecture	PPT &White board
UNIT -3 ANALYSING				
3.1	Vision	1	Lecture	Green Board Charts
3.2	Mission and Level of KM	1	Chalk & Talk	Green Board
3.3	Analysing Industry Environment	2	Flipped Learning	E- Content

3.4	Sources of Competitive Advantage	2	Blended Learning	Online/ Field visit
3.5	Process of KM and strategy formulation	3	Lecture	PPT & White board
3.6	Implementation Issues	3	Lecture	Smart Board
UNIT -4 ARCHITECTURE				
4.1	Knowledge architecture	3	Blended Learning	Online/ Field visit
4.2	System, Technology and people Issues in KM	2	Lecture	PPT & White board
4.3	Anatomy of KM	2	Lecture	Smart Board
4.4	Global dimensions of KM-HR Deployment-Communities of Practice (CoP) and KM	2	Lecture	Black Board
4.5	Pitfalls of KM	3	Discussion	Google classroom
UNIT -5 SUCCESS FACTORS				
5.1	Critical success factors in KM	2	Lecture	Green Board Charts
5.2	Working social networking	3	Chalk & Talk	Green Board
5.3	Resources of KM	2	Flipped Learning	E- Content
5.4	Digital hub-Impact of information technologies	3	Blended Learning	Online/ Field visit
5.5	KM:The Indian Experience	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Introduce the knowledge management components and its benefits.	K2	PSO1
CO 2	Give an outline of Knowledge Management process and challenges.	K2	PSO2
CO 3	Emphasize on Industrial environment and its issues.	K3	PSO3
CO 4	Brief out the anatomy of Knowledge Management.	K4	PSO4

CO 5	State the critical success factors in Knowledge Management.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS

MBA	19MBA305A	Project Financing	Major Elective	5	5

COURSE DESCRIPTION

The course on Project Financing enables the project idea conception, project appraisal, and evaluating competencies of learners. The course provides knowledge on project risk evaluation techniques.

COURSE OBJECTIVES

This course is aimed at developing project ideas and infusing project appraisal, implementation & evaluating skills among the students

UNITS

UNIT I : INTRODUCTION [12 HRS]

Capital Investment – Importance & difficulties – Phases of capital Budgeting – Facets of Project analysis – Generation of Ideas – Environment and corporate Appraisal – Scouting for Project Ideas – Project classification – Project identification – Criteria for selecting particular Project – Steps in Project formulation – Project Implementation and Evaluation.

UNIT II : CONTENTS OF PROJECT REPORT [12 HRS]

Narrative Part – Financial Estimates and Projections – Cost of Project – Means of Finance – Cost of Production – Working capital requirements and its financing – Profitability Projections – Projected Cash Flow Statement – Projected Balance Sheet.

UNIT III: PROJECT APPRAISAL BY FINANCIAL INSTITUTIONS [12 HRS]

Institutional Framework – Role of National and State level Financial Institutions & Banks, Institutional policies and procedures – Market potential, Technical feasibility – Managerial capability – Promoters background and their

financial strength – Financial Appraisal, Economic Appraisal and Government Priorities etc.

UNIT IV : USE OF TECHNIQUES IN SELECTION [12 HRS]

Project Cash Flows – Elements of cash flow stream – Basic Principles of cash flow estimation – Risk Analysis – Sources and perspectives of Risk – Break Even Analysis – Sensitivity Analysis – Hillier Model – Managing risk – Project selection under Risk – Social Cost Benefit Analysis - UNIDO Approach – Little–Mirrless Approach.

UNIT V: FINANCING OF PROJECTS [12 HRS]

Financing of Modernization & Balancing Equipments – Bills discounting scheme – suppliers line of credit – Equipment Leasing – Various grants by Governments – Financing through Equity and preference capital – Internal accruals – Term Loans – Debentures – working Capital advance – Venture Capital – Raising Capital in International markets.

SELF STUDY:

Role of National and State level Financial Institutions & Banks

TEXT BOOK :

1. Prasanna Chandra, Projects:planning, Analysis, Selection, Financing, Implementation & Review. --8th ed., New Delhi: Tata Mc Graw -Hill Publishing Company Ltd, 2014.

REFERENCE BOOKS :

1. Desai, Vasant., Project Management: Prospects, Analysis, Finance, Management, Monitoring & Control, --4th ed., Mumbai: Himalaya Publishing House, 2018.
2. Gopalakrishnana, P and Ramamoorthy, V. E, Textbook of Project Management, London, England: Macmillan Publishers India, 2014.
3. Machiraju, HR, Introduction to Project Finance: An Analytical Perspective, New Delhi: Vikas Publishing House Pvt Ltd, 2001.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.untag-smd.ac.id/files/Perpustakaan_Digital_1/FINANCE%20Project%20Finance%20in%20Theory%20and%20Practice.pdf
2. http://alsf.afdb.org/sites/default/files/resources/Understanding%20Power%20Project%20Financing%20.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Capital Investment – Importance & difficulties	1	Lecture	LCD
1.2	Phases of capital Budgeting	1	Group Discussion	-
1.3	Facets of Project analysis	2	Blended learning	Google classroom
1.4	Generation of Ideas – Environment and corporate Appraisal	1	Problem-based learning	Smart Board
1.5	Scouting for Project Ideas – Project classification	1	Lecture	Black Board
1.6	Project identification – Criteria for selecting particular Project	1	Peer-assisted learning	White Board
1.7	Steps in Project formulation	3	Chalk & talk	Black Board
1.8	Project Implementation and Evaluation	2	Demonstration	LCD
UNIT -2	**CONTENTS OF PROJECT REPORT**			
2.1	Narrative Part	1	Lecture	LCD

2.2	Financial Estimates and Projections – Cost of Project	2	Chalk & Talk	Black Board
2.3	Means of Finance – Cost of Production	3	Group discussion	-
2.4	Working capital requirements and its financing	3	Lecture	LCD
2.5	Profitability Projections – Projected Cash Flow Statement – Projected Balance Sheet	3	Blended Learning	Online learning, Text books
UNIT -3	**PROJECT APPRAISAL BY FINANCIAL INSTITUTIONS**			
3.1	Institutional Framework	2	Case study analysis	Mobile learning
3.2	Role of National and State level Financial Institutions & Banks	2	Group Discussion	-
3.3	Institutional policies and procedures, Market potential , Technical feasibility	2	Lecture	LCD
3.4	Managerial capability, Promoters background and their financial strength	3	Problem-based learning	Smart board
3.5	Financial Appraisal, Economic Appraisal and Government Priorities etc.	3	Blended learning	White board

UNIT -4	**USE OF TECHNIQUES IN SELECTION**			
4.1	Project Cash Flows – Elements of cash flow stream – Basic Principles of cash flow estimation	2	Lecture	LCD
4.2	Risk Analysis – Sources and perspectives of Risk	2	Case study analysis	Online learning
4.3	Break Even Analysis – Sensitivity Analysis – Hillier Model	3	Problem-based learning	Online learning
4.4	Managing risk – Project selection under Risk	2	Lecture	LCD
4.5	Social Cost Benefit Analysis - UNIDO Approach – Little–Mirrless Approach.	3	Group Discussion	-
UNIT -5	**FINANCING OF PROJECTS**			
5.1	Financing of Modernization & Balancing Equipments, Bills discounting scheme	3	Blended learning	Materials
5.2	Suppliers line of credit – Equipment Leasing	3	Lecture	LCD
5.3	Various grants by Governments – Financing through Equity and preference capital – Internal accruals – Term Loans – Debentures – working Capital advance – Venture Capital	4	Blended learning	Google classroom
5.4	Raising Capital in International markets	2	Case study analysis	Online learning

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**

K3	**5**	-	-	**5**	**10**		**10**	**20%**
K4	**5**	**5**	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	-	**10**		**10**	**20%**
Non Scholastic	-	-	-	-	-	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks

C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explore project ideas & assess project identification criteria	K2	PSO1
CO 2	Design project report and evaluate financial estimates and projections	K2, K3	PSO2
CO 3	Plan appraisal of projects by various financial institutions	K3	PSO3
CO 4	Compute project evaluation using techniques and analyse project risks	K4	PSO4
CO 5	Predict sources of raising finance for projects	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2

CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA305B	Strategic Financial Management	Major Elective	5	5

COURSE DESCRIPTION

The course inculcates the strategic approach to financial management and develops the diagnostic skills of learners on valuation of firm.

COURSE OBJECTIVES

This Course intends to develop Strategic approach to financial management and inculcate ethical aspects of Strategic Financial Management.

UNITS

UNIT I: INTRODUCTION [12 HRS]

Strategy and strategist- Nine S model – Strategic Financial Management vs. Financial management – Strategic financial objectives- Conceptual framework of strategic financial management – Balance Score Card Approach.

UNIT II : FINANCIAL MODELS [12 HRS]

Financial Planning and forecasting – Simple optimization model – Simulation model – Model development – Conditions for the successful use of the models.

UNIT III : VALUATION [12 HRS]

Basics of valuation- Equity valuation vs. Firm valuation – Equity valuation models – Different approaches- Applicability and limitations of Discounted Cash-flow – Inflation and asset revaluation – Management Decisions – Corporate Strategy and Firm value.

UNIT IV : CORPORATE RESTRUCTURING [12 HRS]

Scope – Symptoms – Mechanics – Costs and benefits – Restructuring plan – Stages –Acquisitions – Takeovers – Mergers and Joint ventures – Leveraged Buy Out (LBO) –Classification of acquisitions – Motives – Valuing synergy – Valuation methods – Legal aspects – Takeover code – Strategic cost management – Costing Migration – Activity Based Costing (ABC) – Activity Cost Management – Resource Consumption Model – Target Costing – Life Cycle Costing – Kaizen Costing.

UNIT V: ETHICAL ASPECTS IN SFM [12 HRS]

Financial Engineering – Holistic Approach – Tool kit – Process engineering – Financial Metrics – Ethical aspects of strategic financial management – Economic combinations – Assessment of ethical financial performance – Accounting disclosures – Corporate Governance.

SELF STUDY:

Management Decisions – Corporate Strategy and Firm value

TEXT BOOK :

1. Jakhotiya, G P., Strategic Financial Management, New Delhi: Vikas Publishing House Pvt Ltd, 2011.

REFERENCE BOOKS :

1. Damodaran, Aswath.,Corporate Finance: Theory and Practice, Singapore: John Wiley & Sons Pvt. Ltd, 2014.
2. Bishop.E.B, Pedley Smith.S, Ogilvie.J and Parkinson.C, Strategic financial management- CIMA Materials, Viva Edition, Mumbai,2017.
3. Prasanna Chandra, Financial Management: Theory and Practice. –9th ed., New Delhi: Tata Mcgraw Hill Publishing Company, 2015.
4. Thomas walther, Hentry Johansson, John Dunleavy, Elizabeth Hjelm, “Reinventing the CFO: Moving from Financial Management to Strategic Management”, Coopers & Lybrand, McGraw – Hill, Newyork.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.icsi.edu/media/webmodules/Financial%20and%20Strategic%20Management.pdf
2. https://mastermindsindia.com/SFM%20SM.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Strategy and strategist- Nine S model	3	Lecture	LCD
1.2	Strategic Financial Management vs. Financial management – Strategic financial objectives	4	Blended learning	Google classroom
1.3	Conceptual framework of strategic financial management – Balance Score Card Approach.	5	Lecture	White board
UNIT -2	**FINANCIAL MODELS**			
2.1	Financial Planning and forecasting	4	Problem-based learning	Online learning
2.2	Simple optimization model – Simulation model	5	Blended learning	White board
2.3	Model development – Conditions for the successful use of the models.	3	Group Discussion	-
UNIT -3	**VALUATION**			
3.1	Basics of valuation- Equity	2	Lecture	LCD

	valuation vs. Firm valuation			
3.2	Equity valuation models – Different approaches	4	Lecture	LCD
3.3	Applicability and limitations of Discounted Cash-flow – Inflation and asset revaluation	4	Problem-based learning	Smart board
3.4	Management Decisions	1	Case study analysis	Online learning
3.5	Corporate Strategy and Firm value	1	Peer-assisted learning	White Board
UNIT -4 CORPORATE RESTRUCTURING				
4.1	Scope – Symptoms – Mechanics – Costs and benefits – Restructuring plan – Stages	2	Blended learning	White board
4.2	Acquisitions – Takeovers	1	Problem-based learning	Smart board
4.3	Mergers and Joint ventures	1	Lecture	LCD
4.4	Leveraged Buy Out (LBO) – Classification of acquisitions – Motives	1	Blended learning	White board
4.5	Valuing synergy – Valuation methods	2	Case study analysis	Mobile learning
4.6	Legal aspects – Takeover code	1	Lecture	LCD
4.7	Strategic cost management – Costing Migration	1	Blended learning	White board
4.8	Activity Based Costing (ABC) – Activity Cost Management – Resource Consumption Model	2	Problem-based learning	Smart board
4.9	Target Costing – Life Cycle Costing – Kaizen Costing	1	Lecture	LCD
UNIT -5 ETHICAL ASPECTS IN SFM				
5.1	Financial Engineering – Holistic Approach – Tool kit	3	Lecture	LCD
5.2	Process engineering – Financial Metrics	3	Demonstration	LCD
5.3	Ethical aspects of strategic financial management – Economic combinations	3	Blended learning	White board

5.4	Assessment of ethical financial performance – Accounting disclosures – Corporate Governance	3	Group discussion	-

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline SFM model and identify conceptual framework	K2	PSO1
CO 2	Explain financial models and apply models successfully	K2, K3	PSO2
CO 3	Use equity and firm valuation models and formulate management decisions	K3	PSO3

CO 4	Apply corporate restructuring methods and strategic cost management techniques	K4	PSO4
CO 5	Plan for financial innovations and asses ethical financial performance	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

(Dr.P.Shyamala)
HOD'S Signature
& Name

Forwarded By

II MBA
SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA305C	Fundamentals Of Insurance Management	Major Elective	5	5

COURSE DESCRIPTION

The course enables the learners to acquaint understanding on Insurance policies and familiarise the mechanism of Insurance services. The course hones up the skills of managers to compute insurance premiums and bonuses.

COURSE OBJECTIVES

This course seeks to develop knowledge on insurance mechanism of various policies

UNITS

UNIT I : LIFE INSURANCE [12 HRS]

Definition – History – Concept of Risk – Mechanism of Insurance – Business of Insurance – Role of Insurance in Economic Development. Principles – Utmost Good faith – Material Fact – Fundamentals of agency law – Agents – Insurance Documents.

UNIT II : PLANS OF LIFE INSURANCE [12 HRS]

Term insurance – Pure Endowment –Whole life insurance – Endowment – Assurance – Annuities – Unit linked policies – Rider option & guarantee – Group insurance policies – Insurance companies in India.

UNIT III : PREMIUMS & BONUSES [12 HRS]

Basics of determining Premium – Extra Premium – Rider premium – Computation of Benefit – Underwriting.

UNIT IV : GENERAL INSURANCE [12 HRS]

General Insurance Business Act 1972 – History of General Insurance – Insurance forms – Proposals – Cover notes – Personal Accident Insurance – Health Insurance – Rural Insurance.

UNIT V: OTHER TYPES OF GENERAL INSURANCE [12 HRS]

Scope of standard policies – Fire – Marine – Motor – Aviation Engineering – Agricultural Insurance – Special Classes of Insurance – Oil and Energy – Satellite Insurance.

SELF STUDY:

Special Classes of Insurance – Oil and Energy – Satellite Insurance

TEXT BOOKS :

1. Gupta, PK., Insurance and Risk Management. –2nd ed., Mumbai: Himalaya Publishing House, 2017.
2. Ganguly, Anand, Insurance Management, New Delhi: New Age International Pvt. Ltd, 2007.

REFERENCE BOOKS :

1. IC O2 (Practices of life insurance)
2. IC 30 (Principles & Practice of life insurance)
3. IC 11 (Practice of General Insurance)
4. IC 81 (Mathematical Basis of life insurance)
5. IC 82 (Statistics)
6. IC 34 (General Insurance)
7. Study guide – Insurance Institute of India, Mumbai
8. Neelam, Gulati, C., Principles of Insurance Management, New Delhi: Excel Books, 2012.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://d3epuodzu3wuis.cloudfront.net/R014.pdf
2. http://www.himpub.com/documents/Chapter1906.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**LIFE INSURANCE**			
1.1	Definition – History – Concept of Risk	2	Problem-based learning	Smart Board
1.2	Mechanism of Insurance – Business of Insurance – Role of Insurance in Economic Development	3	Lecture	LCD
1.3	Principles – Utmost Good faith – Material Fact	3	Lecture	PPT
1.4	Fundamentals of agency law – Agents – Insurance Documents	4	Problem-based learning	Smart board
UNIT -2	**PLANS OF LIFE INSURANCE**			
2.1	Term insurance – Pure Endowment –Whole life insurance	3	Lecture	LCD
2.2	Endowment – Assurance – Annuities – Unit linked policies	3	Case study analysis	Mobile learning
2.3	Rider option & guarantee	3	Demonstration	LCD
2.4	Group insurance policies – Insurance companies in India	3	Blended Learning	Google classroom
UNIT -3	**PREMIUMS & BONUSES**			
3.1	Basics of determining Premium	3	Lecture	LCD

3.2	Extra Premium – Rider premium	3	Blended Learning	Online learning
3.3	Computation of Benefit	3	Demonstration	LCD
3.4	Underwriting	3	Problem-based learning	Smart board
UNIT -4	**GENERAL INSURANCE**			
4.1	General Insurance Business Act 1972	2	Lecture	LCD
4.2	History of General Insurance – Insurance forms	3	Case study analysis	Online learning
4.3	Proposals – Cover notes	2	Blended learning	Materials
4.4	Personal Accident Insurance – Health Insurance – Rural Insurance	5	Blended learning	Google classroom
UNIT -5	**OTHER TYPES OF GENERAL INSURANCE**			
5.1	Scope of standard policies	2	Lecture	LCD
5.2	Fire – Marine – Motor – Aviation Engineering – Agricultural Insurance	4	Demonstration	LCD
5.3	Special Classes of Insurance – Oil and Energy – Satellite Insurance	6	Blended learning	Google classroom

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	

K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of risk in 'Life insurance' and explain the fundamentals of agency law and explain the fundamentals of agency law	K2	PSO1
CO 2	Explain life insurance plans and identify insurance companies in India	K2, K3	PSO2
CO 3	Compute Premiums and Bonuses for insurance policies	K3	PSO3
CO 4	Evaluate general insurance Business and its forms	K4	PSO4

CO 5	Assess other types of general insurance	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

(Dr.P.Shyamala)
HOD'S Signature
& Name

Forwarded By

II MBA
SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA305D	Banking And Financial Institutions	Major Elective	5	5

COURSE DESCRIPTION

The course offers a comprehensive outlook on the financial institutions and in particular develops the profound knowledge on operations of banks.

COURSE OBJECTIVES

This course aims to enhance the ability of students to explicate the operations and latest technology of financial institutions and banks

UNITS

UNIT I : INTRODUCTION [12 HRS]

Indian Financial system – Structure – overview of financial institutions – Unique economic functions – Classification of Financial institutions – Banking & Non-banking, Intermediaries & Non-intermediaries. Indian Banking system – Public and private sector banks – Indian banks' operations in abroad – Local area banks – Scheduled, Non-Scheduled banks – Banking system after Nationalization.

UNIT II : DEVELOPMENT FINANCIAL INSTITUTIONS (DFI) [12 HRS]

Evolution of DFIs – Changing role – Policy measures – IFCI, IDBI, IIBIL, SIDBI, IDFC, EXIM Bank of India, NABARD, ICICI, SIDCs and SFCs.

UNIT III : RISK MANAGEMENT IN FINANCIAL INSTITUTIONS [12 HRS]

Various types of risks incurred by Financial institutions – Credit risk – Liquidity risk – Interest rate risk – Country / Sovereign risk – Technology & operational risk – Insolvency risk – Other risks and interaction among risks.

UNIT IV : BANKING OPERATIONS AND REGULATIONS [12 HRS]

Banker-customer relationship – NPAs – Impact – Consequences - Identification – Early warning signals – Innovative banking services – Retail banking – Retail lending schemes – Liability focused segment – RBI – Legal framework – Main functions – Functions of various departments - Banking regulations – CRR – SLR – CRAR – Income Recognition norms – RBI's Model policy on bank deposits.

UNIT V: TECHNOLOGY IN BANKS [12 HRS]

Internet banking – Payment & settlement system – New age clearing – credit card operations – EFT – ECS – MICR – CBS – Cheque truncation – New Age payment – National Gateways – RTGS – National financial switch – SFMS – New Age payment – International gateways – SWIFT – Latest in banking – Autonomy package for banks – Tax matters – 12 hour banking – Dematerialization – Mutual fund – Insurance business by banks.

SELF STUDY:

Insurance business by banks.

TEXT BOOKS :

1. Saunders Anthony and Marcia Millon Cornett, Financial Markets and Institutions: An Introduction to the Risk Management Approach,--3rd ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2007.
2. Saravanavel, P, Modern Banking in India and Abroad. ,New Delhi: Galgotia Publications Ltd, 2000.

REFERENCE BOOKS :

1. Bharati, V Pathak, Indian Financial System, --5th ed., Singapore: Pearson Education, Inc, 2014.
2. Vijaragavan Iyengar, G., Introduction to Banking, New Delhi: Excel Books, 2008.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://jnujprdistance.com/assets/lms/LMS%20JNU/Dual%20Degree%20Courses/PGDBA%20+%20MBA/Sem%20IV/Finance/Financial%20Institution%20&%20Services/Financial%20Institution%20&%20Services.pdf

2. https://www.researchgate.net/publication/48990170_Finance_and_financial_institutions

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Indian Financial system – Structure – overview of financial institutions	2	Lecture	LCD
1.2	Unique economic functions – Classification of Financial institutions – Banking & Non-banking, Intermediaries & Non-intermediaries	2	Blended Learning	Online learning
1.3	Indian Banking system – Public and private sector banks – Indian banks' operations in abroad	4	Peer-assisted learning	White Board
1.4	Local area banks – Scheduled, Non-Scheduled banks – Banking system after Nationalization	4	Blended learning	Google classroom
UNIT -2	**DEVELOPMENT FINANCIAL INSTITUTIONS (DFI)**			
2.1	Evolution of DFIs – Changing role – Policy measures	4	Lecture	LCD
2.2	IFCI, IDBI, IIBIL, SIDBI, IDFC, EXIM Bank of India, NABARD, ICICI, SIDCs and SFCs	8	Blended learning	Google classroom
UNIT -3	**RISK MANAGEMENT IN FINANCIAL INSTITUTIONS**			
3.1	Various types of risks incurred by Financial institutions – Credit risk – Liquidity risk	4	Lecture	LCD
3.2	Interest rate risk – Country / Sovereign risk – Technology & operational risk	4	Blended learning	Google classroom

3.3	Insolvency risk – Other risks and interaction among risks	4	Demonstration	Online learning
UNIT -4	**BANKING OPERATIONS AND REGULATIONS**			
4.1	Banker-customer relationship	1	Lecture	LCD
4.2	NPAs – Impact – Consequences - Identification – Early warning signals –	2	Problem-based learning	Smart Board
4.3	Innovative banking services – Retail banking – Retail lending schemes – Liability focused segment	3	Lecture	White Board
4.4	RBI – Legal framework – Main functions – Functions of various departments -	2	Peer-assisted learning	White Board
4.5	Banking regulations – CRR – SLR – CRAR – Income Recognition norms	3	Blended learning	Google classroom
4.6	RBI's Model policy on bank deposits	1	Group Discussion	-
UNIT -5	**TECHNOLOGY IN BANKS**			
5.1	Internet banking – Payment & settlement system – New age clearing	2	Lecture	LCD
5.2	Credit card operations – EFT – ECS – MICR – CBS – Cheque truncation – New Age payment – National Gateways – RTGS – National financial switch – SFMS – New Age payment – International gateways – SWIFT	6	Demonstration	LCD
5.3	Latest in banking – Autonomy package for banks – Tax matters – 12 hour banking – Dematerialization – Mutual fund	3	Blended learning	Google classroom
5.4	Insurance business by banks	1	Peer-assisted learning	White Board

Levels	C1	C2	C3	C4	Total Scholast	Non Scholast	CIA Total	% of

					ic Marks	ic Marks C5		Assess ment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the structure, functions & operations of Indian financial and banking system	K2	PSO1
CO 2	Explain the role and policy measures of Development Financial Institutions	K2, K3	PSO2
CO 3	Analyse risk management in FIs and assess the interaction among various risks	K3	PSO3

CO 4	Discuss NPA management RBI functions and norms	K4	PSO4
CO 5	Evaluate latest technology in banks in Payment & Settlement system.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

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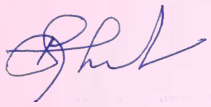

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA305E	Derivatives & Markets	Major Elective	5	5

COURSE DESCRIPTION

The course presents a framework of various derivative and commodity products in the market. The course attempts to enhance the assessment expertise of managers on trading mechanism of derivative and commodity market.

COURSE OBJECTIVES

This course seeks to acquaint students with instruments and rules of Derivative and Commodity markets.

UNITS

UNIT I: INTRODUCTION [12 HRS]

Derivatives – Meaning – History & Evolution of derivatives - Functions of derivative markets – Risks associated with derivatives – Commonly used derivative products

UNIT II: DERIVATIVE RULES & BY-LAWS [12 HRS]

Definition – Eligibility criteria for derivative exchange – Trading system – trading members – trading parameters – code of conduct for trading members – clearing mechanism for derivatives segment – margins & exposure limits – clearing bank

UNIT III: STOCK INDEX FUTURES [12 HRS]

Concept of stock index – Stock index futures as a Portfolio Management tool – Speculation and Stock index futures – Stock index futures trading in Indian Market

UNIT IV: INTEREST RATE FUTURES [12 HRS]

Meaning - Types of interest rates – Underlying markets – Treasury bill futures – Euro-dollar futures – Treasury bonds & treasury notes

UNIT V: COMMODITY FUTURES [12 HRS]

Commodity futures trading in India – Multi-commodity exchanges – Commodity futures contracts – Trading mechanism – Role of commodity futures market

SELF STUDY:

Types of interest rates.

TEXT BOOKS :

1. Gupta, S. L., Financial Derivatives – Theory, Concepts & Problems, New Delhi: Prentice Hall of India Pvt. Ltd., 2017.
2. Kevin, S, Commodity and financial derivatives, 2nd ed., PHI learning private limited, Delhi, 2014.

REFERENCE BOOKS :

1. A.N.Sridhar, Futures & Options – Equities – Trading Strategies & Skills, 4th edition, Shroff Publishers & Distributors Pvt. Ltd., Mumbai, 2011.
2. D.C.Patwari, Options and Futures in an Indian Perspective, 4th ed., Jaico Publishing House, Mumbai, 2006.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.bseindia.com/downloads/Training/file/BCDE.pdf
2. https://fac.ksu.edu.sa/sites/default/files/derivatives_markets_3e_0.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Derivatives – Meaning – History & Evolution of derivatives	4	Lecture	LCD
1.2	Functions of derivative markets – Risks associated with derivatives	4	Lecture	LCD
1.3	Commonly used derivative products	4	Discussion	Google classroom
UNIT -2	**DERIVATIVE RULES & BY-LAWS**			
2.1	Definition – Eligibility criteria for derivative exchange	3	Lecture	LCD
2.2	Trading system – trading members – trading parameters – code of conduct for trading members	4	Blended Learning	Google classroom
2.3	Clearing mechanism for derivatives segment – margins & exposure limits – clearing bank	5	Peer-assisted learning	Online learning
UNIT -3	**STOCK INDEX FUTURES**			
3.1	Concept of stock index – Stock index futures as a Portfolio Management tool	3	Lecture	LCD

3.2	Speculation and Stock index futures	5	Case study analysis	Materials
3.3	Stock index futures trading in Indian Market	4	Demonstration	Online learning
UNIT -4	**INTEREST RATE FUTURES**			
4.1	Meaning - Types of interest rates	2	Lecture	White Board
4.2	Underlying markets – Treasury bill futures	5	Group Discussion	Materials
4.3	Euro-dollar futures – Treasury bonds & treasury notes	5	Blended learning	Online learning
UNIT -5	**COMMODITY FUTURES**			
5.1	Commodity futures trading in India – Multi-commodity exchanges —	3	Lecture	White Board
5.2	Commodity futures contracts	4	Peer-assisted learning	Materials
5.3	Trading mechanism – Role of commodity futures market	5	Demonstration	Online learning

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%

Non Scholastic	**-**	**-**	**-**	**-**	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks

C5 - Attendance 1 - 5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify derivative products and explain risks associates with derivatives	K2	PSO1
CO 2	Outline the rules and bye-laws for derivatives market	K2, K3	PSO2
CO 3	Explain the concept of Stock index futures	K3	PSO3
CO 4	Assess types of interest rate futures	K4	PSO4

CO 5	Evaluate commodity futures	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

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II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA306A	Total Quality In Human Resource	Major Elective	5	5

COURSE DESCRIPTION

This course focuses on imparting knowledge about the role of TQM in HRM. It also helps to assess the various dimensions of performance to integrate implication plan for managing HR.

COURSE OBJECTIVES

This course aims at imparting TQM concepts and developing the HR for implication.

UNITS

UNIT I : TOTAL QUALITY MANAGEMENT [12 HRS]

Meaning, Significance – Role of Total Quality in Human Resources Management

UNIT II : CUSTOMER SATISFACTION [12 HRS]

Strategy Dimensions – Business Strategy Planning and management – Total Quality Human Resource Strategy, Planning and Management.

UNIT III : CONTINUOUS IMPROVEMENT [12 HRS]

Process Dimensions – Business Processes, Planning and Management – Total Quality Human Resource Processes, Planning and Management.

UNIT IV : PROJECT DIMENSIONS [12 HRS]

Total Quality Human Resource Projects, Planning and Management.

UNIT V: PERFORMANCE DIMENSIONS [12 HRS]

Total Quality Human Resource Performance Planning and Management-Total Quality in Human Resource Management – Integrated Implementation Plan for Managing Human Resources – International Implementation of Total Quality in Human Resource Practices.

SELF STUDY:

Integrated Implementation Plan for Managing Human Resources

TEXT BOOKS :

1. Cole, W E.,TQM: Creating a Continuously Improving Organisation., New Delhi: Infinity Books, 2010.
2. Ho, Samuel K.,TQM: An Integrated Approach., New Delhi: Kogan Page India Pvt.Ltd, 2009.

REFERENCE BOOKS :

1. Haberer, Joann, B.,TQM: 50 Ways to Make It Work for You / Joann, B Haberer and Marylov Wendel Webb., New Delhi: Viva Books Limited, 2004.
2. Ho, Samuel K.,TQM: An Integrated Approach.,New Delhi: Kogan Page India Pvt.Ltd, 2002.
3. Mohanty, RP.,TQM: in the Service Sector.,Mumbai: Jaico Publishing House, 2002.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.longdom.org/articles/human-resource-management-and-total-quality-management--animportant-aspect-in-the-bank.pdf
2. https://www.sciencedirect.com/science/article/pii/S187704281402004 7/pdf?md5=709c25a8ea92111c28403e12335db8f0&pid=1-s2.0-S1877042814020047-main.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**TOTAL QUALITY MANAGEMENT**			
1.1	Total Quality Management	3	Chalk & Talk	Black Board
1.2	Meaning & Introduction	3	Chalk & Talk	LCD
1.3	Significance in TQM in HR	3	Lecture	PPT & White board
1.4	Role of Total Quality in Human Resources Management	3	Lecture	Smart Board
UNIT -2	**CUSTOMER SATISFACTION**			
2.1	Customer Satisfaction	4	Lecture	Green Board Charts
2.2	Strategy Dimensions, Business Strategy Planning and management	4	Chalk & Talk	Green Board
2.3	Total Quality Human Resource Strategy, Planning and Management	4	PPT	LCD
UNIT -3	**CONTINUOUS IMPROVEMENT**			
3.1	Continuous Improvement	3	Lecture	PPT & White board
3.2	Process Dimensions, Business Processes, Planning and Management	3	Lecture	PPT & White board
3.3	Total Quality Human Resource	3	Chalk &	Black

	Processes		Talk	Board
3.4	Planning and Management of TQHR processes	3	Chalk & Talk	Black Board
UNIT -4 PROJECT DIMENSIONS				
4.1	Project Dimensions	2	Discussion	Black Board
4.2	Total Quality Human Resource Projects	3	Chalk & Talk	Black Board
4.3	Total Quality Human Resource Planning	3	Lecture	PPT & White board
4.4	Total Quality Human Resource Management	4	Lecture	PPT & White board
UNIT -5 PERFORMANCE DIMENSIONS				
5.1	Performance Dimensions	2	Discussion	Black Board
5.2	Total Quality Human Resource Performance Planning and Management	2	Chalk & Talk	Black Board
5.3	Total Quality in Human Resource Management	2	Lecture	PPT & White board
5.4	Integrated Implementation Plan for Managing Human Resources	3	Lecture	PPT & White board
5.5	International Implementation of Total Quality in Human Resource Practices	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%

K3	**5**	-	**-**	**5**	**10**		**10**	**20%**
K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks

C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the significance of total quality management and analysing role of TQM in HRM.	K2	PSO1
CO 2	Explain customer satisfaction strategy dimension and asses the various TQ HR strategy planning.	K2, K3	PSO2
CO 3	Demonstrate the continuous improvement process dimension	K3	PSO3
CO 4	Analyse project dimension and assess TQHR projects, planning & Management	K4	PSO4
CO 5	Assess various dimension of performance to integrate implication plan for managing HR	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA306B	Advanced Industrial Relations	Major Elective	5	5

COURSE DESCRIPTION

This course intends to explore the industrial relations in public sector. The course aims to equip students with grievance and conflict resolutions measures.

COURSE OBJECTIVES

This course aims at familiarising the concepts of industrial relations to the students

UNITS

UNIT I : INDUSTRIAL RELATION [12 HRS]

Industrial relations: concept, history and environment – Profile of industrial worker – industrial relations in the public sector – future of IR in India.

UNIT II : TRADE UNION AND COLLECTIVE BARGAINING [12 HRS]

Trade Union: concept and functions – trade union movement in India – problems of the trade union – trade union act, 1926. Collective bargaining: concept, process, type and recent trends in India.

UNIT III : INDUSTRIAL PEACE [12 HRS]

Grievance: causes and machinery – discipline: indiscipline, cause, kinds of punishment, judicial approach to discipline (Industrial employment standing orders act 1946), domestic enquiry. Industrial conflict: causes, measures of conflict resolution.

UNIT IV : WORKERS PARTICIPATION IN MANAGEMENT [12 HRS]

Workers participation in management: growth, WPM in India-works committee, joint management council, workers directors, workers participation scheme new scheme on workers participation, workers shareholders, quality of work like-workers education in India.

UNIT V: SOCIAL SECURITY AND LABOR WELFARE [12 HRS]

Social security measures – legislations relating to social security: maternity benefit act, ESI act, Provident Fund and miscellaneous act, payment of gratuity act, workmen's compensation act. ILO: role and functions of ILO – India and ILO

SELF STUDY:

Collective bargaining concepts and process

TEXT BOOKS :

1. Monappa, Arun.,Industrial Relations.,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2012

2. Srinivasan, S C.,Industrial Relations.,New Delhi: Vikas Publishing House Pvt Ltd, 2011.

REFERENCE BOOKS :

1. Srivastava, Suresh C.,Industrial Relations and Labour Laws. --3rd ed.,New Delhi: Vikas Publications House Pvt Ltd, 1995.
2. Sivarethinamohan, R.,Industrial Relations and Labour Welfare: Text and Cases.,New Delhi: PHI Learning Pvt.Ltd., 2010.
3. Singh, B D.,Industrial Relations: Emerging Paradigms.,New Delhi: Excel Books, 2004.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://bowenstaff.bowen.edu.ng/lectureslides/1586159541.pdf
2. https://www.nust.na/sites/default/files/documents/IR_Vacation_School%2C_March_2016.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INDUSTRIAL RELATION**			
1.1	Industrial relations: concept	2	Chalk & Talk	Black Board
1.2	History and environment	3	Chalk & Talk	LCD
1.3	Profile of industrial worker	2	Lecture	PPT & White board
1.4	Industrial relations in the	3	Lecture	Smart

	public sector			Board
1.5	Future of IR in India.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2 TRADE UNION AND COLLECTIVE BARGAINING				
2.1	Trade Union: concept and functions	1	Lecture	Green Board Charts
2.2	Trade union movement in India	2	Chalk & Talk	Green Board
2.3	Problems of the trade union and trade union act, 1926.	3	PPT	LCD
2.4	Collective bargaining: concept and type	2	PPT	LCD
2.5	Process Collective bargaining	2	Chalk & Talk	Black Board
2.6	Recent trends in Collective bargaining in India.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -3 INDUSTRIAL PEACE				
3.1	Grievance: causes and machinery	2	Lecture	PPT & White board
3.2	Discipline: indiscipline, cause, kinds of punishment	3	Lecture	PPT & White board

3.3	Judicial approach to discipline (Industrial employment standing orders act 1946)	2	Chalk & Talk	Black Board
3.4	Domestic enquiry.	2	Chalk & Talk	Black Board
3.5	Industrial conflict: causes, measures of conflict resolution.	3	Chalk & Talk	Black Board
UNIT -4	**WORKERS PARTICIPATION IN MANAGEMENT**			
4.1	Growth in Workers participation in management	3	Discussion	Black Board
4.2	WPM in India-works committee, joint management council, workers directors,	3	Chalk & Talk	Black Board
4.3	New scheme on workers participation, workers shareholders, quality of work like	3	Lecture	PPT & White board
4.4	Workers education in India.	3	Lecture	PPT & White board
UNIT -5	**SOCIAL SECURITY AND LABOR WELFARE**			
5.1	Social security measures	2	Discussion	Black Board
5.2	Legislations relating to social security- maternity benefit act and ESI Act	2	Chalk & Talk	Black Board
5.3	Provident Fund and miscellaneous Act	2	Lecture	PPT & White board
5.4	Payment of gratuity act and workmen's compensation Act	3	Lecture	PPT & White

				board
5.5	ILO: role and functions of ILO and India and ILO	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of IR and explore IR in the public sector	K2	PSO1

CO 2	Explain the concepts of trade union and collective bargaining	K2, K3	PSO2
CO 3	Identify the courses of grievances, conflicts and to discuss the conflict resolution measures.	K3	PSO3
CO 4	To discuss the workers participation in management and to know the level of workers education in India	K4	PSO4
CO 5	Analyse various legislations relating to social security and the functions of ILO	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

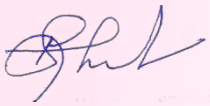
Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi



(Dr.P.Shyamala)
HOD'S Signature
& Name

Forwarded By

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA306C	Training & Development	Major Elective	5	5

COURSE DESCRIPTION

This course aims to teach HR students the skills to design, develop and implement a training program. This course also gives a wider knowledge about OD strategies and its implementation.

COURSE OBJECTIVES

This course intends to knowledge about various methods practiced in an organisation.

UNITS

UNIT I : INTRODUCTION TO TRAINING & DEVELOPMENT [12 HRS]

Training objective s – importance – training principles – training and development plan – setting up of training programme.

UNIT II : ON-THE-JOB TRAINING [12 HRS]

On-The –Job Training Technique – Features – advantages & disadvantages – on –the job coaching, conference, career planning & guidance, critical incident, committee assignment, job rotation and assistant to position/under study.

UNIT III : OFF-THE-JOB TRAINING [12 HRS]

Off – The – Job Training Technique – features – applications – lecture method – Conferences – group discussion –seminar – programmed instruction – sensitivity – case studies – role play – simulation s- special broadening assignment – multiple management or junior boards – syndicate– sabbaticals. Evaluation process - significance – different evaluation technique

UNIT IV: ORGANISATION DEVELOPMENT [12 HRS]

Concept – nature – origin – unique characteristics –OD Process – diagnosis – action – program management – OD Interventions - classifications – team intervention – inter group – comprehensive – Structural.

UNIT V:OD IMPLEMENTATION [12 HRS]

OD training T-group – behaviour modeling – life and career planning. OD strategies – action research requirements for successful OD implementation.

SELF STUDY:

Behaviour Modelling

TEXT BOOKS :

1. Bhatia, S K. Training and Development: Concepts and Practices. Emerging developments, Challenges and Strategies in HRD.,New Delhi: Deep & Deep Publications, 2007.
2. B.Janakiram Training And Development: Indian Text edition , 2007, Biztantra

REFERENCE BOOKS :

1. Bhatia, S K. Training and Development: Country Experiences / edited by K B S Kumar.
2. Hyderabad: ICFAI University Press, 2007.

3. Bhatia, S K. Training and Development: Trends and Experiences., Hyderabad: Institute of Chartered Financial Ananlysis of India, 2004.
4. Bramley Peter, Training Essentials: Evaluating Training, India: Universities Press Ltd, 2000.
5. Deb, Tapomoy, Training & Development: Concepts & Applications., New Delhi: Ane Books Pvt. Ltd., 2006.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.shrm.org/certification/for-organizations/academic-alignment/faculty-resources/Documents/09-0171%20Gusdorf_T%20and%20D%20FINAL.pdf
2. https://ebooks.lpude.in/management/mba/term_4/DMGT518_TRAINING_AND_DEVELOPMENT_SYSTEM.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO TRAINING & DEVELOPMENT**			
1.1	Training objectives and importance	3	Chalk & Talk	Black Board
1.2	Training principles	3	Chalk & Talk	LCD
1.3	Training and development plan	3	Lecture	PPT & White board
1.4	Setting up of training programme	3	Lecture	Smart Board
UNIT -2	**ON-THE-JOB TRAINING**			
2.1	On-The –Job Training - Features , advantages & disadvantages	4	Lecture	Green Board Charts

2.2	On-The –Job Training Techniques- coaching, conference, career planning & guidance, critical incident	4	Chalk & Talk	Green Board
2.3	Committee assignment, job rotation and assistant to position/under study.	4	PPT	LCD
UNIT -3	**OFF -THE-JOB TRAINING**			
3.1	Off– The – Job Training – features & applications	3	Lecture	PPT & White board
3.2	Off– The – Job Training Techniques - lecture method,Conferences ,group discussion,seminar , programmed instruction	3	Lecture	PPT & White board
3.3	Sensitivity , case studies ,role play , simulation s, special broadening assignment , multiple management or junior boards,syndicate , sabbaticals.	3	Chalk & Talk	Black Board
3.4	EVALUATION- significance – different evaluation technique.	3	Chalk & Talk	Black Board
UNIT -4	**ORGANISATION DEVELOPMENT**			
4.1	Concept of OD	2	Discussion	Black Board
4.2	Nature ,origin & unique characteristics of OD	3	Chalk & Talk	Black Board
4.3	OD Process – diagnosis, action, program management	3	Lecture	PPT & White board
4.4	OD Interventions - classifications ,team intervention , inter group , comprehensive,Structural.	4	Lecture	PPT & White board

UNIT -5 OD IMPLEMENTATION				
5.1	OD training	2	Discussion	Black Board
5.2	T-group & behaviour modeling	2	Chalk & Talk	Black Board
5.3	Life and career planning	2	Lecture	PPT & White board
5.4	OD strategies	3	Lecture	PPT & White board
5.5	Action research requirements for successful OD implementation & its Evaluation	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks

C5 - Attendance 1 - 5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the principles of training & development	K2	PSO1
CO 2	Explain the techniques of on the job training	K2, K3	PSO2
CO 3	Identify the various techniques of the job	K3	PSO3
CO 4	Analyse the process and intervention of OD	K4	PSO4
CO 5	Assess the OD strategies and the action research requirements for OD implication	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5

CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

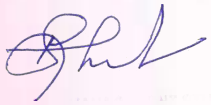
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature & Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA306D	Labour Legislation	Major Elective	5	5

COURSE DESCRIPTION

This course focuses at providing a wide knowledge to students about the various Acts in relation with Labour Legislation. It also exposes students to identify the provisions in the Industrial Disputes Act.It helps the students to get an idea about the relationship between management and Indian Labour legislation.

COURSE OBJECTIVES

This courses seek the develop knowledge about Indian legal environment relevant to labour legislation.

UNITS

UNIT I :INTRODUCTION TO LABOUR LEGISLATION [12 HRS]

Introduction: Concept of labour legislation. Need for labour legislation, Principles of labour legislation. Labour administration in India – Administrative agencies – role of labour welfare officer – The ILO and India.

UNIT II: FACTORIES ACT [12 HRS]

Factories Act 1948. Mines Act 1952, Plantations Act 1951, Motor Transport workers Act 1961, Tamil Nadu Shops and commercial establishment Act 1958

UNIT III: PAYMENT OF WAGES ACT [12 HRS]

Payment of wages Act 1936, Minimum wages 1948. Payment of bonus Act 1965, Equal remuneration Act 1976

UNIT IV : WORKMENS COMPENSATION ACT [12 HRS]

Workmen's compensation Act 1923, Payment of Gratuity Act 1972, Maternity benefit Act 1961, Employees State Insurance Act 1948, Employees P.F. and Miscellaneous provisions Act 1976

UNIT V: INDUSTRIAL DISPUTES [12 HRS]

Industrial Disputes Act 1947, Trade Unions Act 1926. Industrial Employment (Standing Order Act) 1946, Apprentices Act 1961, Employment Exchanges (Compulsory Notification of Vacancies) Act 1959

SELF STUDY:

Labour administration in India

TEXT BOOKS :

1. Ajay Garg,,Labour Laws.,New Delhi: V.K.Puri, 2005.
2. Singh, B D.,Labour Laws for Managers. New Delhi: Excel Books, 2007.

REFERENCE BOOKS :

1. Srivastava, Suresh C., Industrial Relations and Labour Laws. --3rd ed.,New Delhi: Vikas Publications House Pvt Ltd, 1995.
2. Srivastava, S C.,Industrial Relations and Labour Laws. --5th ed., New Delhi: Vikas Publishing House Pvt Ltd, 1982.

3. Sivarethinamohan, R.Industrial Relations and Labour Welfare: Text and Cases., New Delhi: PHI Learning Pvt.Ltd., 2010.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://ncib.in/pdf/ncib_pdf/Labour%20Act.pdf
2. http://14.139.60.114:8080/jspui/bitstream/123456789/738/16/Labour%20Law.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO LABOUR LEGISLATION**			
1.1	Concept of labour legislation.	2	Chalk & Talk	Black Board
1.2	Need & Principles of labour legislation	2	Chalk & Talk	LCD
1.3	Constitutional framework of labour legislation in India	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.4	Labour administration in India	2	Lecture	Smart Board
1.5	Administrative agencies	2	Lecture	Black Board
1.6	Role of labour welfare officer	1	Discussion	Google classroom
1.7	The ILO and India.	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**FACTORIES ACT**			
2.1	Factories Act 1948	2	Lecture	Green Board

				Charts
2.2	Mines Act 1952 & Plantations Act 1951	3	Chalk & Talk	Green Board
2.3	Motor Transport workers Act 1961	3	PPT	LCD
2.4	Tamil Nadu Shops and commercial establishment Act 1958.	4	PPT	LCD
UNIT -3	**PAYMENT OF WAGES ACT**			
3.1	Payment of wages Act 1936	3	Lecture	PPT & White board
3.2	Minimum wages 1948.	3	Lecture	PPT & White board
3.3	Payment of bonus Act 1965	3	Chalk & Talk	Black Board
3.4	Equal remuneration Act 1976	3	Chalk & Talk	Black Board
UNIT -4	**WORKMENS COMPENSATION ACT**			
4.1	Workmen's compensation Act 1923	3	Discussion	Black Board
4.2	Payment of Gratuity Act 1972	2	Chalk & Talk	Black Board
4.3	Maternity benefit Act 1961	2	Lecture	PPT & White board
4.4	Employees State Insurance Act 1948	3	Lecture	PPT & White board
4.5	Employees P.F. and	2	Chalk &	Black Board

	Miscellaneous provisions Act 1976		Talk	
UNIT -5 INDUSTRIAL DISPUTES				
5.1	Industrial Disputes Act 1947	3	Discussion	Black Board
5.2	Trade Unions Act 1926	3	Chalk & Talk	Black Board
5.3	Industrial Employment (Standing Order Act) 1946	3	Lecture	PPT & White board
5.4	Apprentices Act 1961, Employment Exchanges (Compulsory Notification of Vacancies) Act 1959	3	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**10**	**15**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Discuss the concept and principles of legislation and the role of Labour welfare officer	K2	PSO1
CO 2	Explain the various Act relevant to labour legislation	K2, K3	PSO2
CO 3	Discuss some of the relevant Act in relation with Labour Legislation	K3	PSO3
CO 4	Create an idea about the acts that are relevant to Laws	K4	PSO4
CO 5	To identify the provisions in the Industrial disputes Act	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5

CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature & Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA306 E	Strategic Human Resource Management	Major Elective	5	5

COURSE DESCRIPTION

This course enhances students understanding the various approaches of SHRM. It helps the students to analyse the strategic linkage of performance management and helps to assess the contribution of SHRM to organisational success.

COURSE OBJECTIVES

This course is intends at enhancing students understanding of strategic aspects of HRM.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Definition – Components – Objectives – Difference between SHRM & traditional HRM — Theoretical perspectives of SHRM – SHRM approaches - Aligning HR strategy with business strategy.

UNIT II : FUNCTIONAL STRATEGIES [12 HRS]

Business strategy and HRP – Prospects of HRP – Objectives of HRP – HRP Horizons. Recruitment & Selection: New approaches to Recruitment - Executive Selection.

UNIT III : T&D AND CAREER MANAGEMENT [12 HRS]

HRM approaches to Training and Development – Linkage between Business Strategy & Training - Special forms of T& D – New Developments in T& D. Career Management: Career Management Systems – SHRM Approaches to Career Management.

UNIT IV : PERFORMANCE MANAGEMENT & COMPENSATION [12 HRS]

Effective performance system - Strategic linkage of Performance Management – Performance Management aligned to Corporate Strategy. Compensation & Reward Management: Determinants – Approaches – New Developments – Total compensation & rewards strategy.

UNIT V: SHRM AND ORGANIZATIONAL EFFECTIVENESS [12 HRS]

Strategic Contribution of HRM to Organisational Success – issues in implementing SHRM Success – Managing HR function in the future

SELF STUDY:

Strategic Contribution of HRM to Organisational Success

TEXT BOOKS :

1. Greer, Charles R.,Strategic Human Resource Management: A General Managerial Approach. --2nd ed.,Singapore: Pearson Education, Inc, 2010.
2. Anuradha, Sharma,Strategic Human Resource Management:An Indian Perspective / Sharma, Anuradha and Khandekar Aradhana.,New Delhi: Sage Publications, 2006.

REFERENCE BOOKS :

1. Mello, Jeffrey A.,Strategic Human Resource Management. --2nd ed.,Australia: Thomson, 2006.
2. Regis, Richard.,Strategic Human Resource Management and Development.,New Delhi: Excel Books, 2008.
3. Tanuja Agarwala,Strategic Human Resource Management. ,New Delhi: Oxford University Press, 2007.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.rcemorissa.org/images/SHRM-_S_Paikaray_.pdf
2. https://www.shrm.org/hr-today/trends-and-forecasting/special-reports-and-expert-views/Documents/HR-Strategy-Globalization.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Definition , Components & Objectives of SHRM	3	Chalk & Talk	Black Board
1.2	Différences between SHRM & traditional HRM	3	Chalk & Talk	LCD
1.3	Theoretical perspectives of SHRM – SHRM approaches	3	Lecture	PPT & White board
1.4	Aligning HR strategy with business strategy	3	Lecture	Smart Board
UNIT -2	**FUNCTIONAL STRATEGIES**			
2.1	Business strategy and HRP	1	Lecture	Green Board Charts
2.2	Prospects of HRP – Objectives of HRP	2	Chalk & Talk	Green Board

2.3	HRP Horizons	3	PPT	LCD
2.4	Recruitment & Selection	3	PPT	LCD
2.5	New approaches to Recruitment - Executive Selection.	3	Chalk & Talk	Black Board
UNIT -3	**T&D AND CAREER MANAGEMENT**			
3.1	HRM approaches to Training and Development	2	Lecture	PPT & White board
3.2	Linkage between Business Strategy & Training	2	Lecture	PPT & White board
3.3	Special forms of T& D – New Developments in T& D	2	Chalk & Talk	Black Board
3.4	Career Management Systems	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
3.5	SHRM Approaches to Career Management.	2	Chalk & Talk	Black Board
UNIT -4	**PERFORMANCE MANAGEMENT & COMPENSATION**			
4.1	Effective performance system	1	Discussion	Black Board
4.2	Strategic linkage of Performance Management	2	Chalk & Talk	Black Board
4.3	Performance Management aligned to Corporate Strategy.	3	Lecture	PPT & White board
4.4	Compensation & Reward Management: Determinants	2	Lecture	PPT & White board
4.5	Approaches &New Developments	2	Chalk & Talk	Black Board

4.6	Total compensation & rewards strategy.	2	Discussion	Black Board
UNIT -5	**SHRM AND ORGANIZATIONAL EFFECTIVENESS**			
5.1	Strategic Contribution of HRM to Organisational Success	4	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
5.2	Issues in implementing SHRM Success	4	Chalk & Talk	Black Board
5.3	Managing HR function in the future	4	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts and components of SHRM	K2	PSO1
CO 2	Discuss the functional strategies of HRP, Recruitment and selection	K2, K3	PSO2
CO 3	Demonstrate the linkage between business strategy & training	K3	PSO3
CO 4	Identify / Analyze the strategic linkage of performance Management compensation & rewards strategy	K4	PSO4
CO 5	Assess the strategic contribution of HRM to organisational	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

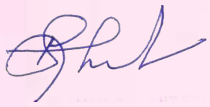
Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi **Forwarded By**



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA306F	Career Management	Major Elective	5	5

COURSE DESCRIPTION

This course explores the impact of changing environment in career development. It helps to evaluate the changing career dynamic and its impact.

COURSE OBJECTIVES

This course aims at imparting insights in to career Management.

UNITS

UNIT I: INTRODUCTION **[12 HRS]**

Introduction- Career Developing in a changing Environment-Components of Career Development- Concept of career Anchor-Models of Career Development-Benefits.

UNIT II: CAREER PROGRESSION & COMPETENCY MANAGEMENT

[12 HRS]

Career Progression-Setting the Baseline for Competency Management-Self-assessment, career awareness, Goal setting, skill development and career management-Compensation and associated Behaviour- Skill set for specific job roles-Developing new capabilities.

UNIT III : CAREER PLAN & TALENT MANAGEMENT [12 HRS]

Career Paths-career Transition-Changing Landscape for new employees- Talent Management-On boarding new employees –orientation-Developing new employees.

UNIT IV : CAREER DYNAMICS [12 HRS]

Assessing levels of expertise -Employee succession plan-Changing career dynamics and its impact on growing capability-Mentoring for employee development-Dual ladder for career development

UNIT V: CAREER DEVELOPMENT PLAN [12 HRS]

Career Development Plan -Collaborative plan-Experiential plan-Measuring success of career development programs-career development and business strategy

SELF STUDY:

Changing career dynamics and its impact on growing capability

TEXT BOOKS :

1. Mary Ann Bopp, “Agile Career Development” –IBM Press,2009
2. Sharon.L.Hanna,”Career development by design”, Deep and Deep Publications Pvt. Ltd, New Delhi, 2010.

REFERENCE BOOKS :

1. Willam J.Rothwell, “Career Planning and Succession Planing”, Prentice Hall International (UK) Ltd, 2009.
2. Devi Vallabhaneri,”A Manager’s Career Development Tool”, Wiley; 1 edition 2009.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/19176960_Career_management_An_active_process
2. https://web.iima.ac.in/assets/snippets/workingpaperpdf/2004-05-06sunilm.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction to Career Developing in a changing Environment	3	Chalk & Talk	Black Board
1.2	Components of Career Development	3	Chalk & Talk	LCD
1.3	Concept of career Anchor	3	Lecture	PPT & White board
1.4	Models of Career Development &its Benefits	3	Lecture	Smart Board
UNIT -2	**CAREER PROGRESSION & COMPETENCY MANAGEMENT**			
2.1	Career Progression	2	Lecture	Green Board Charts
2.2	Setting the Baseline for Competency Management	3	Chalk & Talk	Green Board

2.3	Self-assessment, career awareness, Goal setting, skill development and career management	3	PPT	LCD
2.4	Compensation and associated Behaviour- Skill set for specific job roles	2	PPT	LCD
2.5	Developing new capabilities.	2	Flipped Learning	Online/ E-Content
UNIT -3	**CAREER PLAN & TALENT MANAGEMENT**			
3.1	Career Paths & career Transition	2	Lecture	PPT & White board
3.2	Changing Landscape for new employees	3	Lecture	PPT & White board
3.3	Talent Management	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
3.4	On boarding new employees	2	Chalk & Talk	Black Board
3.5	Orientation & Developing new employees	2	Chalk & Talk	Black Board
UNIT -4	**CAREER DYNAMICS**			
4.1	Assessing levels of expertise	2	Discussion	Black Board
4.2	Employee succession plan	2	Chalk & Talk	Black Board

4.3	Changing career dynamics and its impact on growing capability	3	Lecture	PPT & White board
4.4	Mentoring for employee development	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
4.5	Dual ladder for career development.	3	Chalk & Talk	Black Board
UNIT -5 CAREER DEVELOPMENT PLAN				
5.1	Career Development Plan	3	Discussion	Black Board
5.2	Collaborative plan & Experiential plan	3	Chalk & Talk	Black Board
5.3	Measuring success of career development programs	3	Lecture	PPT & White board
5.4	Career development and business strategy	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%

K3	**5**	-	**-**	**5**	**10**		**10**	**20%**
K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**

10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts & Components of career development	K2	PSO1
CO 2	Analyse the career progression and the baseline for competency management	K2, K3	PSO2
CO 3	Assess the career paths and talent management	K3	PSO3
CO 4	Evaluating the changing career dynamic and its impact	K4	PSO4

CO 5	Discuss the various career development plan	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA307A	Total Quality Management	Major Elective	5	5

COURSE DESCRIPTION

This course is designed with an objective to familiarise the students with key aspects of total quality management and its application in real world scenarios.

COURSE OBJECTIVES

This course is enable the students understanding the application of Total Quality Management in Production.

UNITS

UNIT I : INTRODUCTION TO TQM [12 HRS]

Meaning– Concepts of TQM – Quality and Business Performance – TQM Framework - Service Quality Vs Product Quality – Altitude and involvement of Top management – Communication – Culture – Management systems – Quality circle

UNIT II : STRATEGIC QUALITY PLANNING [12 HRS]

Information analysis and Information Technology – Strategic quality planning – Human Resources Development and Management

UNIT III : STATISTICAL QUALITY CONTROL [12 HRS]

Management of Process Quality – History of Quality Control – Product Inspection and Process control – Statistical quality control – Problem analysis – Pareto analysis – Human side of process control.

UNIT IV : CUSTOMER SATISFACTION AND SERVICE QUALITY [12 HRS]

Customer focus and satisfaction – quality focus – getting employee involvement – Measure of satisfaction – service quality – customer pretensions – profitability – Bench marking – essence of Bench marking **-** Benefits of strategic Bench marking process – Pitfalls in bench marking.

UNIT V: REENGINEERING [12 HRS]

Organizing for TQM – Systems Approach – The people Dimension – small groups and employment teams for TQM – measuring productivity – white collar Productivity – Activity analysis – Reengineering – The costs of Quality –Activity based Costing- ISO 9000 – Universal standards of Quality – ISO around the world – Benefits of ISO certification – Process of getting ISO Certification – cost of certification – Implementation.

SELF STUDY:

Process of getting ISO Certification

TEXT BOOK :

1. Beyond Total Quality Management(TMH) – Geg Bounds-Lyle Yourks, Meledams, G. Ranney , 2013

REFERENCE BOOKS :

1. The Total Quality Imperative (TMH), A Business Week Guide, epub, 2018

2. Global Management of Qualilty Assurance System (TMH), Walter Willbon, T.C. Edwinchang.
3. Total Quality Management – Text, Cases & readings – Joel .E. Ross (Deep & Deep Publicaitons), 2009

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://cdn.ymaws.com/www.value-eng.org/resource/collection/AA7B1D56-593E-439C-8594-A4056B35BB70/1968_April.pdf
2. https://apps.dtic.mil/sti/pdfs/ADA464089.pdf
3. https://fourweekmba.com/total-quality-management/
4. https://businessjargons.com/quality-circle.html

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO TQM**			
1.1	Meaning– Concepts of TQM	2	Lecture	PPT & White board
1.2	Quality and Business Performance , TQM Framework	2	Lecture	Smart Board
1.3	Service Quality Vs Product Quality	3	Chalk & Talk	Black Board

1.4	Altitude and involvement of Top management	3	Chalk & Talk	Black Board
1.5	Communication, Culture and Management systems , Quality circle	2	Discussion	Google classroom
UNIT -2	**STRATEGIC QUALITY PLANNING**			
2.1	Information analysis and Information Technology	4	Lecture	Green Board
2.2	Strategic quality planning	4	Flipped Learning	Online/ E-Content
2.3	Human Resources Development and Management	4	Discussion	Google classroom
UNIT -3	**STATISTICAL QUALITY CONTROL**			
3.1	Management of Process Quality and History of Quality of Control.	3	Lecture	Green Board Charts
3.2	Product Inspection, Process control, and Statistical quality control	3	Chalk &Talk	Green Board
3.3	Problem analysis and Pareto analysis	3	Lecture	PPT & White board
3.4	Human side of process control.	3	Lecture	Smart Board
UNIT -4	**CUSTOMER SATISFACTION AND SERVICE QUALITY**			
4.1	Customer focus and satisfaction, quality focus and	3	Lecture	Green

	getting employee involvement.			Board Charts
4.2	Measure of satisfaction, service quality, customer pretensions and profitability	3	Chalk & Talk	Green Board
4.3	Bench marking and essence of Bench marking	3	Lecture	PPT & White board
4.4	Benefits of strategic Bench marking process and Pitfalls in bench marking	3	Lecture	Smart Board
UNIT -5	**REENGINEERING**			
5.1	Organizing for TQM, Systems Approach and The people Dimension	2	Lecture	Green Board Charts
5.2	Small groups and employment teams for TQM, measuring productivity and white collar Productivity	2	Chalk & Talk	Green Board
5.3	Activity analysis, Reengineering, The costs of Quality and Activity based Costing	3	Chalk & Talk	Green Board
5.4	ISO 9000, Universal standards of Quality, ISO around the world and Benefits of ISO certification	2	Lecture	PPT & White board
5.5	Process of getting ISO Certification, cost of certification and Implementation	3	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, K3-Apply, K4-Analyse, K5-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

Nos					
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of TQM and identify the different components of quality.	K2	PSO1
CO 2	Discuss the role of functional department in TQM.	K2, K3	PSO2
CO 3	Assess and manage the process quality in the organisation.	K3	PSO3
CO 4	Identify the role and importance of quality in customer satisfaction.	K4	PSO4
CO 5	Demonstrate the ISO certification procedures in the organisation	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5

CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: **Dr. R. Suganya**

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA307B	Materials Management	Major Elective	5	5

COURSE DESCRIPTION

The course introduces students to the basic concepts of material management. There will be a focus on appropriate theory and the course will aim to provide opportunities for the practical implementation of the main concept covered.

COURSE OBJECTIVES

This Course enables the students to understand the concept of material management and latest techniques.

UNITS

UNIT I : INTRODUCTION TO MATERIALS MANAGEMENT [12 HRS]

Introduction to Integrated Materials Management – Organization for Materials Management, Material Planning. Budgeting, Application of forecasting techniques, exponential smoothing, Time series analysis in materials management – Purchase policies, Purchase procedures.

UNIT II : SOURCES OF MATERIAL MANAGEMENT [12 HRS]

Development of source, Import substitution, vendor rating, Price trends – make or buy decisions, Capital equipment purchases, International buying and import procedure, Legal aspects of purchase. DGS&D organization, polices and procedure, purchase ethics, Value analysis codification and standardization.

UNIT III : INVENTORY CONTROL [12 HRS]

Introduction to Inventory Control, Inventory Costs, Selective Control (ABC analysis , VED analysis, etc.) Inventory modes – EOQ Model – Modification of EOQ under different conditions. (Price discounts, working capital restrictions, space restrictions, no. of orders restrictions). Dynamic inventory modes, Q-System, P-systems, 2 bin system.

UNIT IV : SAFETY STOCK [12 HRS]

Concept of safety stock, Determination of safety stock for variation in consumption during lead time, variation in lead time. Determination of service level based on cost optimization. Application of simulation in, inventory control- Spare planning and control.

UNIT - V : STORAGE MANAGEMENT [12 HRS]

Storage and preservation, stores accounting, Verification, Valuation, disposal of surplus and scrap material. Performance evaluation of materials management-Material Sourcing.

SELF STUDY:

Performance evaluation of materials management

TEXT BOOK :

1. Materials Management a supply chain perspective : text and cases-Chitale A. K. & Gupta R. C.

REFERENCE BOOKS :

1. Materials Management: An Integrated Approach –P.Gopalakrishnan &M.Sundaresan –PHI Publisher .
2. Purchasing and Material'S Management -Jeet Patidar – S.Chand .
3. Latest Techniques like MRP I & MRP II, JIT Concepts, Kanban.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://perso.crans.org/fortineau/ressources_maxnce_nouchet/Introduction%20to%20Materials%20Management.pdf
2. http://www.ddegjust.ac.in/2017/Uploads/11/POM-325.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO MATERIALS MANAGENT**			
1.1	Introduction to Integrated Materials Management	2	Lecture	PPT & White board
1.2	Organization for Materials Management, Material Planning.	3	Lecture	Smart Board
1.3	Budgeting, Application of forecasting techniques, exponential smoothing, Time series analysis in materials management	4	Chalk & Talk	Black Board
1.4	Purchase policies, Purchase procedures.	3	Chalk & Talk	Black Board
UNIT -2	**SOURCES OF MATERIAL MANAGEMENT**			
2.1	Development of source	1	Lecture	Green Board Charts
2.2	Import substitution, vendor rating, Price trends	1	Flipped Learning	Online/ E-Content
2.3	Make or buy decisions, Capital	1	Discussion	Google

	equipment purchases,			classroom
2.4	International buying and import procedure, Legal aspects of purchase.	3	Lecture	PPT & White board
2.5	DGS&D organization, polices and procedure,	3	Lecture	Smart Board
2.6	Purchase ethics, Value analysis codification and standardization.	3	Discussion	Black Board
UNIT -3	**INVENTORY CONTROL**			
3.1	Introduction to Inventory Control, Inventory Costs, Selective Control (ABC analysis, VED analysis, etc.)	3	Lecture	Green Board Charts
3.2	Inventory modes – EOQ Model – Modification of EOQ under different conditions.	3	Chalk &Talk	Green Board
3.3	Dynamic inventory modes, Q-System	3	Lecture	PPT & White board
3.4	P-systems, 2 bin system.	3	Lecture	Smart Board
UNIT -4	**SAFETY STOCK**			
4.1	Concept of safety stock, Determination of safety stock for variation in consumption during lead time	3	Lecture	Green Board Charts
4.2	Variation in lead time.	3	Chalk & Talk	Green Board
4.3	Determination of service level based on cost optimization.	3	Lecture	PPT & White board

4.4	Application of simulation in, inventory control- Spare planning and control.	3	Lecture	Smart Board
UNIT -5	**STORAGE MANAGEMENT**			
5.1	Storage and preservation	2	Lecture	Green Board Charts
5.2	Stores accounting, Verification, Valuation	2	Chalk & Talk	Green Board
5.3	Disposal of surplus and scrap material	3	Chalk & Talk	Green Board
5.4	Performance evaluation of materials management	2	Lecture	PPT & White board
5.5	Material Sourcing.	3	Lecture	Smart Board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of material management and analyse the different type of techniques	K2	PSO1
CO 2	Assess the price trends and identify the purchase policies in material management	K2, K3	PSO2
CO 3	Discuss the different inventory calculation techniques and compute EOQ	K3	PSO3
CO 4	Identify the different level of stock and analyse cost optimization	K4	PSO4
CO 5	Explain the concept of storage and preservation	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2

CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA307C	Advanced Manufacturing Systems	Major Elective	5	5

COURSE DESCRIPTION

The students will have the opportunity to learn advanced manufacturing system being used in the business environment which enables students to make better management decisions.

COURSE OBJECTIVES

This Course enables the students to understand the concept of material management and latest techniques.

UNITS

UNIT I : INTRODUCTION TO COMPUTER AIDED DESIGNING [12 HRS]

Computer aided designing - computer aided manufacturing computer integrated manufacturing.

UNIT II : AUTOMATION AND ROBOTICS [12 HRS]

Automotive transfer lines - few line and assembly systems, dynamic job shops. Flexible manufacturing system and Robotics.

UNIT III : SYSTEM DESIGN AND NETWORKING [12 HRS]

System design issue – material handling system – networking technique – drawing network – critical path resource scheduling float-networking simulation. Project completion probability – project budgeting.

UNIT IV : INTEGRATED SYSTEM [12 HRS]

Requirement of an integrated approval and the role of production manager in the total organization- Computer – integrated manufacturing – Lean Manufacturing – CIMOSA – Integrated Manufacturing database.

UNIT V: EMERGING TRENDS IN MANUFACTURING SYSTEM [12 HRS]

Capacity utilization and its effect on manufacturing cost. The need for cost reduction – value engineering war on waste management. Inventory management -MRP I & II

SELF STUDY:

Value engineering war on waste management.

TEXT BOOKS :

1. Automation , Production Systems and Computer Integrated Manufacturing –Mikell P.Groover –Pearson.

REFERENCE BOOKS :

1. Advanced Manufacturing and Automation – K.Wang ;Y.Wang;J.O.Standhagen ;T Yu-WIT Press.
2. Managing Advanced Manufacturing Systems – Brain Trought
3. CAD CAM CIM – P. Radhakrishanan & s. Subramanian

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.springer.com/gp/book/9783211828083
2. https://www.researchgate.net/publication/229424338_Design_of_Advanced_Manufacturing_Systems_Models_for_Capacity_Planning_in_Advanced_Manufacturing_Systems

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO COMPUTER AIDED DESIGNING**			
1.1	Computer aided designing	4	Lecture	PPT &

				White board
1.2	Computer aided manufacturing	4	Lecture	Smart Board
1.3	Computer integrated manufacturing.	4	Chalk & Talk	Black Board
UNIT -2	**AUTOMATION AND ROBOTICS**			
2.1	Automotive transfer lines	3	Lecture	Green Board Charts
2.2	Few line and assembly systems	3	Flipped Learning	Online/ E-Content/ Text Books
2.3	Dynamic job shops	3	Discussion	Google classroom
2.4	Flexible manufacturing system and Robotics.	3	Lecture	PPT & White board
UNIT -3	**SYSTEM DESIGN AND NETWORKING**			
3.1	System design issue and material handling system	3	Lecture	Green Board
3.2	Networking technique and drawing network.	3	Chalk &Talk	Green Board
3.3	Critical path resource scheduling float and networking simulation.	3	Lecture	PPT & White board
3.4	Project completion probability and project budgeting	3	Lecture	Smart Board
UNIT -4	**INTEGRATED SYSTEM**			

4.1	Requirement of an integrated approval and the role of production manager in the total organization	3	Lecture	Green Board Charts
4.2	Computer – integrated manufacturing	3	Chalk & Talk	Green Board
4.3	Lean Manufacturing – CIMOSA	3	Lecture	PPT & White board
4.4	Integrated Manufacturing database.	3	Lecture	Smart Board
UNIT -5	**EMERGING TRENDS IN MANUFACTURING SYSTEM**			
5.1	Capacity utilization and its effect on manufacturing cost.	2	Lecture	Green Board
5.2	The need for cost reduction	2	Chalk & Talk	Green Board
5.3	Value engineering war on waste management.	3	Chalk & Talk	Green Board
5.4	Inventory management	2	Lecture	PPT & White board
5.5	MRP I & II	3	Lecture	Smart Board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**

K3	**5**	-	**-**	**5**	**10**		**10**	**20%**
K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Familiarising the computer aided designing and manufacturing	K2	PSO1
CO 2	Identify the flexible manufacturing system and robotics in organisation	K2, K3	PSO2
CO 3	Assess the different type of networking techniques and project budgeting	K3	PSO3
CO 4	Discuss the concept of capacity utilization and its effect on manufacturing	K4	PSO4
CO 5	Analyse the need for cost reduction and discuss the different inventory management techniques	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA308A	Hospital Administration	Major Elective	5	5

COURSE DESCRIPTION

This is an introductory course in Hospital Administration with emphasis to cover key activities related to hospital operation.

COURSE OBJECTIVES

This course is aimed at imparting the application of management in hospital.

UNITS

UNIT I : SERVICES [12 HRS]

Services, Classification of Service Organizations, Characteristics, Challenges

UNIT II : HEALTH [12 HRS]

History of Medicine, Healthcare Revolution, Health, Dimensions of Health, Indicators of Health, Types of Healthcare Organizations, Composition of Health Sector, Types of Care, Pyramidal Structure of Health Services, Regional Planning

UNIT III : HOSPITAL ORGANISATION [12 HRS]

Hospitals, Types of Hospitals and Role of Hospital in Healthcare, Complexity of Hospital Organization

UNIT IV: HOSPITAL MANAGEMENT: LEVELS AND ROLES [12 HRS]

Governing Board, Executive Board and Advisory Board - CEO, Medical Administration, Nursing Administration and Hospital Administration - Middle Level Mangers in Hospital and their Responsibilities Structuring Hospital Organization

UNIT V: CURRENT ISSUES IN HEALTHCARE [12 HRS]

Accreditation – Tele health - Health Tourism - Health Insurance and Managed Care-Hospital Wastes Management-Infection Control Management and Health Information Technology

SELF STUDY:

Hospital Wastes Management

TEXT BOOK :

1. J.E. Park and K. Park, Textbook of Preventive and Social Medicine (M/S Banarsidas Bhanot Publishers, Jabalpur)

REFERENCE BOOKS :

1. Syed Amin Tabish, Hospital and Health Services Administration Principles and Practice (Oxford University Press, New Delhi)
2. B.M. Sakharkar, Principles of Hospital Administration and Planning (Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi)
3. C.M. Francis and et al., Hospital Administration (Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi)

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://collections.nlm.nih.gov/ext/dw/60120540R/PDF/60120540R.pdf
2. https://jssustorage.blob.core.windows.net/jssuudstorage/udpdocs/MBA%20Hospital%20Admistration.pdf
3. https://www.hxcentral.com/healthcare-solutions/infection-control-management/
4. https://www.techtarget.com/searchhealthit/definition/Health-IT-information-technology

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**SERVICES**			
1.1	Meaning of Services	3	Lecture	PPT & White board
1.2	Classification of Service Organizations	3	Lecture	Smart Board
1.3	Characteristics of service organisation	3	Chalk & Talk	Black Board
1.4	Challenges of service organisation	3	Chalk & Talk	Black Board
UNIT -2	**HEALTH**			
2.1	History of Medicine	1	Lecture	Green Board Charts
2.2	Healthcare Revolution,	1	Flipped Learning	Online/ E-Content/ Text Books
2.3	Dimensions of Health and Indicators of Health	1	Discussion	Google classroom
2.4	Types of Healthcare Organizations	3	Lecture	PPT & White board
2.5	Composition of Health Sector and types of Care	3	Lecture	Smart Board
2.6	Pyramidal Structure of Health Services and Regional Planning	3	Discussion	Black Board
UNIT -3	**HOSPITAL ORGANISATION**			
3.1	Meaning and Types of Hospitals	4	Lecture	Green Board

				Charts
3.2	Role of Hospital in Healthcare	4	Chalk & Talk	Green Board
3.3	Complexity of Hospital Organization	4	Lecture	PPT & White board
UNIT -4	**HOSPITAL MANAGEMENT: LEVELS AND ROLES**			
4.1	Governing Board, Executive Board and Advisory Board	3	Lecture	Green Board Charts
4.2	CEO, Medical Administration	3	Chalk & Talk	Green Board
4.3	Nursing Administration and Hospital Administration	3	Lecture	PPT & White board
4.4	Middle Level Mangers in Hospital and their Responsibilities Structuring Hospital Organization	3	Lecture	Smart Board
UNIT -5	**CURRENT ISSUES IN HEALTHCARE**			
5.1	Accreditation	2	Lecture	Green Board Charts
5.2	Tele health	2	Chalk &Talk	Green Board
5.3	Health Tourism	2	Chalk & Talk	Green Board
5.4	Health Insurance and Managed Care	2	Lecture	PPT & White board
5.5	Hospital Wastes Management	2	Lecture	Smart Board

5.6	Infection Control Management, Health Information Technology	2	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of service industry and analysing characteristics and challenges	K2	PSO1
CO 2	Demonstrate the healthcare revolution assess various type of health care organisations	K2, K3	PSO2
CO 3	Explain the different type of Hospitals and analysing role of Hospital in health care	K3	PSO3
CO 4	Identify the different levels and roles in hospital management	K4	PSO4
CO 5	Discuss the current issues and best practices in health care	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA308B	Health Insurance	Major Elective	5	5

COURSE DESCRIPTION

The course introduces students to the basic concepts of Health Insurance. It involves understanding all aspects of health insurance package and premium schedule.

COURSE OBJECTIVES

This course focused on familiarising the principles and practice of health insurance and its application in Indian scenario.

UNITS

UNIT I : INTRODUCTION TO HEALTH INSURANCE [12 HRS]

Concept of Health Insurance - Types, origin, evolution and importance of Private Health Insurance, Community Health Insurance (CHI), Employer Based Insurance, Health Micro Insurance (MHI), National Health Insurance, Social Health Insurance.

Health Insurance in Indian Context: Advantages, Perceived Disadvantages and Problems with Mediclaim Policies

UNIT II : HEALTH INSURANCE, MARKET FAILURE AND RISKS [12 HRS]

Fundamental Concept of Social Security, Risk and Insurance, Demand and Supply for Health Insurance, Economics of Scale, Welfare Loss from Health Insurance, Actuarially Fair Premium, Expected Loss, Load Factors - Market Failure and Role of Government

UNIT III : PACKAGE AND PREMIUM [12 HRS]

Designing Benefit Package - Issues: Financial Resources, Existing Infrastructure, Quality Care, Priority, Utilization, Pattern of Disease and Injury, Level of Health Services, Estimating Maximum Demand -Costing the Benefit Package - Premium Setting: Calculation and Determining Premium

UNIT IV : PROVIDER PAYMENT MECHANISM [12 HRS]

Fee for Services, Cash Payment, Daily Charge, Bonus Payment, Flat Rate Payment, Capitation, Salary, Global Budget - Comparison of Different Payment Systems

UNIT V:TPA [12 HRS]

Objectives of TPA - Problems Faced by Hospitals - Scope for Improvement

SELF STUDY:

Premium Setting: Calculation and Determining Premium

TEXT BOOK :

1. Health Insurance – A Guide to Billing and reimbursement – Michelle A.Green –Cengage Learning.

REFERENCE BOOKS :

1. Peter R. Kongstrvedt (ed), The Managed Health Care Handbook (Aspen Publication, Maryland, USA, 1989)
2. L.M. Harpster and M.S. Veach, Risk Management Handbook for Healthcare Facilities (American Hospital Association, USA, 1990)
3. Health Insurance and Managed care – Fourth Edition – Peter R.Knogstvedt – Navigate.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.bls.gov/ncs/ebs/sp/healthterms.pdf
2. https://www.hfgproject.org/wp-content/uploads/2015/02/Health-Insurance-Handbook-How-to-Make-it-Work.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO HEALTH INSURANCE**			
1.1	Concept of Health Insurance	1	Lecture	PPT & White board
1.2	Types, origin, evolution and importance of Private Health Insurance	1	Lecture	Smart Board
1.3	Community Health Insurance (CHI), Employer Based Insurance	3	Chalk & Talk	Black Board
1.4	Health Micro Insurance (MHI), National Health Insurance, Social Health Insurance.	3	Chalk & Talk	Black Board
1.5	Health Insurance in Indian Context	2	Discussion	Google classroom
1.6	Advantages, Perceived Disadvantages and Problems with Mediclaim Policies	2	Discussion	Black Board
UNIT -2	**HEALTH INSURANCE, MARKET FAILURE AND RISKS**			
2.1	Fundamental Concept of Social Security	1	Lecture	Green Board
2.2	Risk and Insurance ,Demand and Supply for Health Insurance	1	Flipped Learning	Online/ E-Content
2.3	Economics of Scale	1	Discussion	Google classroom
2.4	Welfare Loss from Health Insurance, Actuarially Fair Premium	3	Lecture	PPT & White board

2.5	Expected Loss and Load Factors	3	Lecture	Smart Board
2.6	Market Failure and Role of Government	3	Discussion	Black Board
UNIT -3	**PACKAGE AND PREMIUM**			
3.1	Designing Benefit Package – Issues, Financial Resources, Existing Infrastructure	3	Lecture	Green Board Charts
3.2	Quality Care, Priority, Utilization, Pattern of Disease and Injury	3	Chalk & Talk	Green Board
3.3	Level of Health Services, Estimating Maximum Demand	3	Lecture	PPT & White board
3.4	Costing the Benefit Package - Premium Setting: Calculation and Determining Premium	3	Lecture	Smart Board
UNIT -4	**PROVIDER PAYMENT MECHANISM**			
4.1	Fee for Services, Cash Payment	3	Lecture	Green Board Charts
4.2	Daily Charge, Bonus Payment, Flat Rate Payment	3	Chalk & Talk	Green Board
4.3	Capitation, Salary, Global Budget	3	Lecture	PPT & White board
4.4	Comparison of Different Payment Systems	3	Lecture	Smart Board
UNIT -5	**TPA**			
5.1	Objectives of TPA	4	Lecture	Green Board Charts
5.2	Problems Faced by Hospitals	4	Chalk &Talk	Green Board

5.3	Scope for Improvement	4	Chalk & Talk	Green Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED	PSOs ADDRESSED

		BLOOM'S TAXONOMY)	
CO 1	Outline the concept of health insurance and discuss the different types of Health insurance in India	K2	PSO1
CO 2	Assess the demand and supply of health Insurance	K2, K3	PSO2
CO 3	Compute the health Insurance premium and designing benefit package	K3	PSO3
CO 4	Identify the provider payment mechanism and comparison of different payments systems	K4	PSO4
CO 5	Explain the concept of TPA and communicate the problems faced by hospitals.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3

CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA308C	Hospital Accounting And Finance	Major Elective	5	5

COURSE DESCRIPTION

This course explains accounting tools and techniques, which can be used to help firms maximizes value improving decision relating to budgeting and costing.

COURSE OBJECTIVES

This course developed understanding the principles and practice of accounting in hospital and application of finance in hospital.

UNITS

UNIT I : HOSPITAL ACCOUNTING [12 HRS]

Accounting Chart for Hospitals, Payroll and Executive Remuneration, Asset Accounting and Depreciation of Hospital Equipment, Importance of Reserves and Provisions, Daily Cash Management, Departmentalised Accounting, Internal Auditing, Trust Funds, Investment Accounting, Financial Statements for Hospitals.

UNIT II : FUND RAISING [12 HRS]

Art of Fund raising, Analyzing Donor Markets, Organizing for Fundraising, Fundraising Goals and Strategies, Fundraising Tactics, Evaluating Fundraising Effectiveness.

UNIT III : BUDGETING AND COSTING [12 HRS]

Budgetary Control: Activity /Zero Based Budgeting, Problems of Budgeting in Hospitals and Overcoming Problems - Costing: Cost Centres in Hospitals, Cost Volume Profit Analysis, Hospital Rate Setting / Pricing Decision, Cost Containment.

UNIT IV : FINANCIAL DECISIONS [12 HRS]

Financial Performance of Hospital, Financial Planning- Long Term and Short Term, Financing Healthcare Services, Need of Fund for Modernization and Expansion, Financial Information System and Reporting, Investment Management.

UNIT V:NATIONAL HEALTH ACCOUNTS [12 HRS]

Equity: Concept of Equity in Health, Equal Expenditure on Equal Needs, Equity in Financing, Measuring and Improving Efficiency in Healthcare: Concept of Economic Efficiency, Provider Payment Mechanisms: Capitation, Fee for Service, Global Budget

National Health Accounts (NHA): Precious Tool for Policy Makers: Healthcare Expenditure as a Proportion of GDP, Expenditure by Various Sources of Funds, Expenditure for Various Types of Services, Projection of Expenditure in Future, NHA in Indian context.

SELF STUDY:

NHA in Indian context

TEXT BOOK :

1. Sherman Folland, Allen C. Goodman and Miron Stano The Economics of Health and Health Care (Prentice-Hall Inc, New Jersey)

REFERENCE BOOKS :

1. L. Vann Seawell, Principles of Hospital Accounting (Physicians' Record Company, Berwyn)
2. VHAI, An Accounting Guide for Voluntary Hospitals in India (The Voluntary Health Association of India, New Delhi)
3. Steven F. Kukla, Cost Accounting and Financial Analysis for the Hospital Administrator (American Hospital Publishing Inc., AHA)
4. William O. Cleverley, Essentials of Healthcare Financing (An Aspen Publication, New Jersey)
5. Michael Drummond and et al, Methods for the Economic Evaluation of Health Care Programme (Oxford University Press, Second Edition)

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.kumc.edu/Documents/anesthesiology/Accounting%20Glossary%20for%20ASA%20-%20Powers-Sep2018.pdf
2. file:///C:/Users/USER/Downloads/A%20Primer%20on%20Hospital%20Accounting%20and%20Finance%252c%205th%20Edition.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**HOSPITAL ACCOUNTING**			
1.1	Accounting Chart for Hospitals,Payroll and Executive Remuneration	1	Lecture	PPT & White board
1.2	Asset Accounting and Depreciation of Hospital Equipments	1	Lecture	Smart Board
1.3	Importance of Reserves and Provisions, Daily Cash Management,	3	Chalk & Talk	Black Board
1.4	Departmentalised Accounting and Internal Auditing	3	Chalk & Talk	Black Board
1.5	Trust Funds and Investment Accounting	2	Discussion	Google classroom
1.6	Financial Statements for Hospitals	2	Discussion	Black Board
UNIT -2	**FUND RAISING**			
2.1	Art of Fund raising	1	Lecture	Green Board Charts
2.2	Analyzing Donor Markets	1	Flipped Learning	Online/ E-Content
2.3	Organizing for Fundraising	1	Discussion	Google classroom
2.4	Fundraising Goals and Strategies	3	Lecture	PPT & White board

2.5	Fundraising Tactics	3	Lecture	Smart Board
2.6	Evaluating Fundraising Effectiveness.	3	Discussion	Black Board
UNIT -3	**BUDGETING AND COSTING**			
3.1	Budgetary Control: Activity /Zero Based Budgeting.	3	Lecture	Green Board Charts
3.2	Problems of Budgeting in Hospitals and Overcoming Problems.	3	Chalk & Talk	Green Board
3.3	Costing: Cost Centres in Hospitals and Cost Volume Profit Analysis.	3	Lecture	PPT & White board
3.4	Hospital Rate Setting / Pricing Decision, Cost Containment.	3	Lecture	Smart Board
UNIT -4	**FINANCIAL DECISION**			
4.1	Financial Performance of Hospital, Financial Planning- Long Term and Short Term.	3	Lecture	Green Board Charts
4.2	Financing Healthcare Services	3	Chalk & Talk	Green Board
4.3	Need of Fund for Modernization and Expansion.	3	Lecture	PPT & White board
4.4	Financial Information System and Reporting, Investment Management.	3	Lecture	Smart Board
UNIT -5	**NATIONAL HEALTH ACCOUNTS**			
5.1	Equity: Concept of Equity in Health, Equal Expenditure on Equal Needs, Equity in Financing, Measuring and Improving Efficiency in Healthcare.	2	Lecture	Green Board Charts
5.2	Concept of Economic Efficiency, Provider Payment Mechanisms: Capitation, Fee for Service, Global Budget.	2	Chalk &Talk	Green Board

5.3	National Health Accounts (NHA): Precious Tool for Policy Makers: Healthcare Expenditure as a Proportion of GDP.	3	Chalk & Talk	Green Board
5.4	Expenditure by Various Sources of Funds and Expenditure for Various Types of Services.	2	Lecture	PPT & White board
5.5	Projection of Expenditure in Future, NHA in Indian context.	3	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S	PSOs ADDRESSED

		TAXONOMY)	
CO 1	Outline the overview of Hospital Accounting and demonstrate the accounting chart for hospitals	K2	PSO1
CO 2	Explain the concept of fundraising and evaluate fundraising tactics	K2, K3	PSO2
CO 3	Prepare different types of Budget and compute cost sheet for hospitals	K3	PSO3
CO 4	Assess the financial performance of hospital and plan (Financial decisions) investment Management	K4	PSO4
CO 5	Discuss the concept of equity and evaluate the NHA in India context.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2

CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA309A	International Financial Management	Major Elective	5	5

COURSE DESCRIPTION

This course describes the challenges and trends in international finance function, the implications of currency market, foreign exchange market and derivative market in the business environment.

COURSE OBJECTIVES

To understand various concepts of international financial management and market scenario of currency.

UNITS

UNIT I: INTERNATIONAL FINANCIAL SYSTEM [12 HRS]

The International Financial System – Relationship with Domestic financial management – The Emerging Challenges and recent changes in Global financial markets – Gains from International Capital Flows – Foreign Direct Investments (FDI)

UNIT II: FOREX [12 HRS]

Foreign exchange market and its Structure – Mechanism of Spot and Forward exchange markets.Principles of Balance of Payment accounting – Components of BOP. Determining Credit and Debit entries – Implications of BOP accounting- Coping with current account deficit

UNIT III: FINANCIAL DERIVATIVES [12 HRS]

Various aspects of Forward Exchange Market – Currency Future – Link between Futures and Forwards market. Currency Options – Various facets of Option contract and Market differences between forwards Futures and Options – Swaps. Foreign Exchange Exposure and Risk– Its Nature and Classification – Accounting treatment of Transaction and Translation Exposure– Operating Exposure Exchange rates. Introduction – Hedging via Forward Market via Future Market via Currency Options via Currency Futures – Hedging with money Market – Internal Hedging Strategies.

UNIT IV: PARITY CONDITIONS [12 HRS]

Arbitrage and Law of One Price – Interest Rate Parity Condition – Fisher and international fisher effects – concepts – calculations – criteria – applications – impact – differences – market implications

UNIT V: IMS AND EMS [12 HRS]

Recent trends – Brief summary of Bretton Woods System: Reasons for collapse – Functioning of Floating Exchange Rates – Recent trends. International Monetary Fund – Exchange Rate Agreements. Sources of External Funds: International Money Market – External Commercial Borrowings – Euro Issues – ADR – GDR. International Cash Management – International Asset Management – Transfer Pricing – Multinational and Transnational Companies Banking Operations.

SELF STUDY:

External Commercial Borrowings

TEXT BOOK :

1. Prakash G Apte, . International Financial Management. --4th ed. New Delhi: Tata Mc Graw -Hill Publishing Company Ltd, 2013

REFERENCE BOOKS :

1. Jain, P K. International Financial Management / P K Jain, Josette Peyrard and Surendra S Yadav. New Delhi: Macmillan Publishers India Ltd, 2015.
2. Shapiro, Alan C.,Multinational Financial Management. --4th ed. ,New Delhi: Prentice Hall of India Pvt Ltd, 2012.

3. Machiraju, H R.International Financial Markets and and India. New Delhi: Wheeler`s Publishing, 2014.
4. Jeevanandam, C.Foreign Exchange and Risk Management. New Delhi: Sultan Chand & Sons, 2015.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.ddegjust.ac.in/studymaterial/mba/fm-406.pdf
2. http://ejf.wdfiles.com/local--files/finman9/International%20Financial%20Management%20Jeff%20Madura.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTERNATIONAL FINANCIAL SYSTEM**			
1.1	The International Financial System –	2	Chalk & Talk	Black Board
1.2	Relationship with Domestic financial management –	1	Chalk & Talk	LCD
1.3	The Emerging Challenges and recent changes in Global financial markets –	2	Lecture	PPT & White board
1.4	Gains from International Capital Flows –	3	Lecture	Smart Board
1.5	Foreign Direct Investments (FDI)	4	Lecture	Black Board
UNIT -2	**FOREX**			
2.1	Foreign exchange market and its Structure	1	Lecture	Green Board Charts

2.2	Mechanism of Spot and Forward exchange markets.	2	Chalk & Talk	Green Board
2.3	Principles of Balance of Payment accounting	3	Flipped Learning	E- Content
2.4	Components of BOP. Determining Credit and Debit entries	3	Blended Learning	Online/ Field visit
2.5	Implications of BOP accounting	1	Lecture	PPT & White board
2.6	Coping with current account deficit	2	Flipped Learning	E- Content
UNIT -3	**FINANCIAL DERIVATIVES**			
3.1	Various aspects of Forward Exchange Market – Currency Future	1	Lecture	Green Board Charts
3.2	Link between Futures and Forwards market. Currency Options	1	Chalk & Talk	Green Board
3.3	Various facets of Option contract and Market differences between forwards Futures and Options	2	Flipped Learning	E- Content
3.4	Swaps. Foreign Exchange Exposure and Risk– Its Nature and Classification	2	Blended Learning	Online/ Field visit
3.5	Accounting treatment of Transaction and Translation	1	Lecture	PPT & White board

	Exposure			
3.6	Operating Exposure Exchange rates. Introduction	2	Lecture	Smart Board
3.7	Hedging via Forward Market via Future Market via Currency Options via Currency Futures	2	Lecture	PPT & White board
3.8	Hedging with money Market – Internal Hedging Strategies	1	Lecture	Smart Board
UNIT -4	**PARITY CONDITIONS**			
4.1	Arbitrage and Law of One Price	3	Blended Learning	Online/ Field visit
4.2	Interest Rate Parity Condition	2	Lecture	PPT & White board
4.3	Fisher and international fisher effects – concepts	2	Lecture	Smart Board
4.4	Calculations – criteria – applications – impact	2	Lecture	Black Board
4.5	Differences – market implications	3	Discussion	Google classroom
UNIT -5	**IMS AND EMS**			
5.1	Recent trends – Brief summary of Bretton Woods System: Reasons for collapse	2	Lecture	Green Board Charts
5.2	Functioning of Floating Exchange Rates – Recent trends. International Monetary Fund	1	Chalk & Talk	Green Board
5.3	Exchange Rate Agreements. Sources of External Funds	2	Flipped Learning	E- Content
5.4	International Money Market	1	Blended Learning	Online/ Field visit
5.5	External Commercial Borrowings – Euro Issues – ADR – GDR	2	Lecture	PPT & White board

5.6	International Cash Management	1	Chalk &Talk	Green Board
5.7	International Asset Management	1	Flipped Learning	E- Content
5.8	Transfer Pricing	1	Blended Learning	Online/ Field visit
5.9	Multinational and Transnational Companies Banking Operations.	1	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Brief out the recent changes and global financial market	K2	PSO1

CO 2	Conceptualise the forex applications and balance of payments	K2, K3	PSO2
CO 3	Give an idea about various types of currency transactions in forex market	K3	PSO3
CO 4	Insists on party conditions in international finance	K4	PSO4
CO 5	Explain the function of international and European Monetary system	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA309B	Logistics &	Major	5	5

		Supply Chain Management	**Elective**		

COURSE DESCRIPTION

This course emphasizes and the logistics management and supply chain management in an organisation. The basic concepts such as inventory management, distribution management and supply chain relationships are also discussed in this course.

COURSE OBJECTIVES

To make the students into a good knowledge on logistics and supply chain management and link out the practices with the organisation and business needs.

UNITS

UNIT I :LOGISTICS MANAGEMENT [12 HRS]

Logistics Management: Origin and Definition – Types of Logistics – Logistics Management – Ware House Management – Automation and Outsourcing - Customer Service and Logistics Management – A Perspective - Concepts in Logistics and Physical Distribution - Distribution and Inventory

UNIT II: INVENTORY AND DISTRIBUTION MANAGEMENT [12 HRS]

Types of Inventory Control - Demand Forecasting - Warehousing and Stores Management – Routing - Transportation Management - Some Commercial Aspects in Distribution Management – Codification - Distribution Channel Management - Distribution Resource Planning (DRP) - Logistics in 21st Century

UNIT III: SUPPLY CHAIN MANAGEMENT [12 HRS]

Supply Chain Management: Introduction and Development- Nature and Concept - Importance of Supply Chain - Value Chain - Components of Supply Chain - The Need for Supply Chain - Understanding the Supply Chain Management - Participants in Supply Chain – Global Applications

UNIT IV : SUPPLY CHAIN RELATIONSHIPS [12 HRS]

Aligning the Supply Chain with Business Strategy - SCOR Model –Outsourcing and 3PLs – Fourth Party Logistics – Bull Whip Effect and Supply Chain – Supply Chain Relationships – Conflict Resolution Strategies - Certifications

UNIT V: VALUES OF SUPPLY CHAIN [12 HRS]

Role of a Manager in Supply Chain - Supply Chain Performance Drivers - Key Enablers in Supply Chain Improvement - Inter-relation between Enablers and Levels of Supply Chain Improvement-Systems and Values of Supply Chain

SELF STUDY:

Values of Supply Chain

TEXT BOOK :

1. D K Agrawal, Textbook of Logistics and Supply Chain Management, MacMillan 2003, 1st Edition

REFERENCE BOOKS :

1. G Raghuram & N Rangaraj, Logistics and Supply Chain Management - Cases and Concepts. Mac Millan.
2. Martin Christopher, Logistics & Supply Chain Management: Creating Value-Adding Networks, FT Press.
3. Janat Shah, Supply Chain Management: Text and Cases, 1st Edition, Pearson.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://courses.edx.org/asset-v1:MITx+CTL.SC1x_1+2T2015+type@asset+block/w111_IntroSCM_ANNOTATED_v4.pdf
2. https://www.icesi.edu.co/blogs/supplychain0714/files/2014/07/Martin_Christopher_Logistics_and_Supply_Chain_Management_4th_Edition___2011-1.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**LOGISTICS MANAGEMENT**			
1.1	Logistics Management: Origin and Definition	2	Chalk & Talk	Black Board
1.2	Types of Logistics – Logistics Management	2	Chalk & Talk	LCD
1.3	Ware House Management – Automation and Outsourcing	2	Lecture	PPT & White board
1.4	Customer Service and Logistics Management – A Perspective	3	Lecture	Smart Board
1.5	Concepts in Logistics and Physical Distribution - Distribution and Inventory	3	Lecture	Black Board
UNIT -2	**INVENTORY AND DISTRIBUTION MANAGEMENT**			
2.1	Types of Inventory Control	1	Lecture	Green Board Charts
2.2	Demand Forecasting - Warehousing and Stores Management	2	Chalk & Talk	Green Board
2.3	Routing - Transportation Management - Some Commercial Aspects in Distribution Management	3	Flipped Learning	E-Content
2.4	Codification - Distribution Channel Management	3	Blended Learning	Green Board

2.5	Distribution Resource Planning (DRP)	1	Lecture	PPT & White board
2.6	Logistics in 21st Century	2	Flipped Learning	E-Content
UNIT -3	**SUPPLY CHAIN MANAGEMENT**			
3.1	Supply Chain Management: Introduction and Development	1	Lecture	Green Board Charts
3.2	Nature and Concept - Importance of Supply Chain	1	Chalk & Talk	Green Board
3.3	Value Chain - Components of Supply Chain - The Need for Supply Chain	2	Flipped Learning	E-Content
3.4	Understanding the Supply Chain Management	2	Blended Learning	Online/ Field visit
3.5	Participants in Supply Chain	3	Lecture	PPT & White board
3.6	Global Applications	3	Lecture	Smart Board
UNIT -4	**SUPPLY CHAIN RELATIONSHIPS**			
4.1	Aligning the Supply Chain with Business Strategy	3	Blended Learning	Online/ Field visit
4.2	SCOR Model –Outsourcing and 3PLs – Fourth Party Logistics	2	Lecture	PPT & White board
4.3	Bull Whip Effect and Supply Chain	2	Lecture	Smart Board

4.4	Supply Chain Relationships	2	Lecture	Black Board
4.5	Conflict Resolution Strategies – Certifications	3	Discussion	Google classroom
UNIT -5	**VALUES OF SUPPLY CHAIN**			
5.1	Role of a Manager in Supply Chain	2	Lecture	Green Board Charts
5.2	Supply Chain Performance Drivers	3	Chalk & Talk	Green Board
5.3	Key Enablers in Supply Chain Improvement	3	Flipped Learning	E-Content
5.4	Inter-relation between Enablers and Levels of Supply Chain Improvement	2	Blended Learning	Online/ Field visit
5.5	Systems and Values of Supply Chain	2	Lecture	PPT & White board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-

K2	**-**	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**
K3	**5**	-	**-**	**5**	**10**		**10**	**20%**
K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED

CO 1	Introducevarious types of logistics and concepts.	K2	PSO1
CO 2	Focus on inventory control and distribution resource planning in an organisation	K2, K3	PSO2
CO 3	Insist an importance of supply chain management and its global business applications	K3	PSO3
CO 4	Assess the importance of supply chain relationships and conflicts resolution strategies	K4	PSO4
CO 5	Emphasis the role of manager in supply chain along with its values	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2

CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS

MBA	19MBA309C	Import Procedures And Documentation	Major Elective	5	5

COURSE DESCRIPTION

The course illustrates the import requisites, importance, preliminary arrangements and importers documents in the present scenario. The import incentives along with various supportive documents are also emphasised by this course for the better understanding of the students.

COURSE OBJECTIVES

This course is aimed at imparting the application of management in hospital

UNITS

UNIT I : PRELIMINARIES [12 HRS]

Meaning and Definition of Import – Pre-requisites and preliminaries for starting import business- Ministry of Commerce, DGFT and Custom Authorities, Liberalization of Imports – Negative List for Imports – Categories of Importers – Special Schemes for Importers

UNIT II :PROCEDURE [12 HRS]

Steps in Import Procedure – Legal Dimensions of Import Procedure –Customs Formalities for Imports – Warehousing of Imported goods – Exchange Control Provisions for Imports – Retirement of Export Documents.

UNIT III : DOCUMENTATION [12 HRS]

Import Documents – Transport Documents – Bill to Entry – Certificate of Inspection – Certificate of Measurements – Freight Declaration - Import License- Purchase order/Letter of Credit- other documents.

UNIT IV :IMPORT INCENTIVES [12 HRS]

Introduction - Preferential Rates - DEPB - Duty Drawback- DFRC- DFIA- Deemed Exports- Agri Export Zones- Served from India- Manufacture under Bond- Export Promotion Capital Goods Scheme (EPCG)

UNIT V:PAYMENTS **[12 HRS]**

Methods of Payment in Import trade- Import of Personal Baggage - Import of Gifts - Import of Gold And Silver by NRI - Custom Clearance of Imported Goods - Import of Drugs And Medicine - Import of Scrap And Waste Products - Import Laptops And Computers - Import Dos And Don'ts

SELF STUDY:

Export Promotion Capital Goods Scheme (EPCG)

TEXT BOOK :

1. Handbook of Import-Export Procedures – Ministry of Commerce, -, Government of India, New Delhi 2015

REFERENCE BOOKS :

1. Export: What, Where and How, Paras Ram, Anupam Publishers, Delhi 2018
2. Import – Do it Yourself, M. I. Mahajan, Snow White Publications, New Delhi 2015
3. Export Marketing, TAS Balagopal , Himalaya Publishing House New delhi, 2014

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.toppr.com/guides/business-studies/international-business/import-procedures-and-documentations/
2. http://www.danangtimes.vn/Portals/0/Docs/14784517-14_Export%20-%20Import%20procedures.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids

UNIT -1	**PRELIMINARIES**			
1.1	Meaning and Definition of Import – Pre-requisites and preliminaries for starting import business	2	Chalk & Talk	Black Board
1.2	Ministry of Commerce, DGFT and Custom Authorities	2	Chalk & Talk	LCD
1.3	Liberalization of Imports	2	Lecture	PPT & White board
1.4	Negative List for Imports – Categories of Importers	3	Lecture	Smart Board
1.5	Special Schemes for Importers	3	Lecture	Black Board
UNIT -2	**PROCEDURE**			
2.1	Steps in Import Procedure	1	Lecture	Green Board Charts
2.2	Legal Dimensions of Import Procedure	2	Chalk & Talk	Green Board
2.3	Customs Formalities for Imports	3	Flipped Learning	E-Content
2.4	Warehousing of Imported goods	3	Blended Learning	Online/ Field visit
2.5	Exchange Control Provisions for Imports	1	Lecture	PPT &White board
2.6	Retirement of Export Documents	2	Flipped	E-Content

			Learning	
UNIT -3	**DOCUMENTATION**			
3.1	Import Documents	1	Lecture	Green Board Charts
3.2	Transport Documents	1	Chalk & Talk	Green Board
3.3	Bill to Entry – Certificate of Inspection – Certificate of Measurements	2	Flipped Learning	E-Content
3.4	Freight Declaration - Import License	2	Blended Learning	Online/ Field visit
3.5	Purchase order/Letter of Credit	3	Lecture	PPT & White board
3.6	Other documents	3	Lecture	Smart Board
UNIT -4	**IMPORT INCENTIVES**			
4.1	Introduction - Preferential Rates	3	Blended Learning	Online/ Field visit
4.2	DEPB - Duty Drawback- DFRC	2	Lecture	PPT & White board
4.3	DFIA- Deemed Exports- Agri Export Zones	2	Lecture	Smart Board
4.4	Served from India- Manufacture under Bond	2	Lecture	Black Board
4.5	Export Promotion Capital Goods Scheme (EPCG)	3	Discussion	Google classroom

UNIT -5 PAYMENTS				
5.1	Methods of Payment in Import trade- Import of Personal Baggage	2	Lecture	Green Board Charts
5.2	Import of Gifts - Import of Gold And Silver by NRI	3	Chalk & Talk	Green Board
5.3	Custom Clearance of Imported Goods - Import of Drugs And Medicine	3	Flipped Learning	E-Content
5.4	Import of Scrap And Waste Products - Import Laptops And Computers	2	Blended Learning	Online/ Field visit
5.5	Import Dos And Don'ts	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %

Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of preliminaries and pre-requisites for starting import business	K2	PSO1
CO 2	Demonstrate the import procedures and Custom formalities	K2, K3	PSO2
CO 3	Prepare import documents	K3	PSO3
CO 4	Analyze the incentives available for importing	K4	PSO4
CO 5	Evaluate payment methods for various imports	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA
III SEMESTER
For those who joined in 2024 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	24MBA309D	International Business Laws	Major Elective	5	5

COURSE DESCRIPTION

This course emphasizes on various laws in International Business and the role of WTO in regulating International trade. This course also discusses about disputes and their settlement.

COURSE OBJECTIVES

To make the students to learn about International Business laws and make them aware of the safety measures in this era of Digitalisation.

UNITS

UNIT I: INTRODUCTION TO NTERNATIONAL BUSINES LAWS [12 HRS]

Nature and complexities; Code and common laws and their impact on business International business contract – legal provisions; Terms of Payment; International sales agreements; Role of Intermediaries

UNIT II: WTO AND REGULATIONS [12 HRS]

Basic principles and charter of GATT/WTO; GATT/WTO provisions relating to preferential treatment of developing countries; Regional groupings, subsidies, technical standards, anti-dumping duties and other non-tariff barriers, custom valuation; Implications of WTO to important sectors – GATS, TRIPs and TRIMs.

UNIT III: LEGAL FRAMEWORK TO INTERNATIONAL BUSINESS [12 HRS]

International Licensing; Franchising; Joint Ventures, Patents and trademarks; Technology transfer, Telecommunications Electronic Commerce – Intellectual Property Rights

UNIT IV: TAXATION [12 HRS]

Electronic Commerce – Cross Border Transactions – On-line Financial Transfers – Legal Safeguards – International Business Taxation – Tax Laws – Multilateral and Bi-lateral treaties – Sharing of Tax revenues - Indian Laws and Regulations Governing International Business: FEMA; Taxation of foreign income; Foreign investments; Setting up offices and branches abroad; Restrictions on trade in endangered species and other commodities.

UNIT V: DISPUTE SETTLEMENT PROCEDURE [12 HRS]

Contract of Enforcement and Dispute Settlement; International Commercial Arbitration and Enforcement of Foreign Awards; Non- administered and administered arbitration

SELF STUDY:

Multilateral and Bi-lateral treaties

TEXT BOOKS:

1. Ray A. August, "International Business Law Text, Cases and Readings" (4th Edition) Amazon.com

REFERENCE BOOKS :

1. Daniels, John, Emest W. Ogram and Lee H. Redebungh: International Business, Environments and operations.

2. Lew, Julton D.M and Clive Stand brook (eds), International Trade Law and Practice, Euromoney Publications, London.

3. Schmothoff C.R: Export Trade – The Law and Practice of International Trade.

4. Kapoor ND: Commercial Law; Sultan Chand & Co., New Delhi

5. Bansal. A.K., "Law of Commercial Arbitration", Universal law House, Delhi

DIGITAL OPEN EDUCATIONAL RESOURCES:

3. https://openstax.org/books/business-law-i-essentials/pages/13-1-introduction-to-international-law
4. https://guides.library.jhu.edu/international-business/country/laws
5. https://blog.ipleaders.in/international-money-transfer-laws-you-need-to-know-about/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids

UNIT -1	LOGISTICS MANAGEMENT			
1.1	Nature and complexities	2	Chalk & Talk	Black Board
1.2	Code and common laws and their impact on business International business contract	2	Chalk & Talk	LCD
1.3	legal provisions; Payments terms;	2	Lecture	PPT & White board
1.4	International sales agreements;	3	Lecture	Smart Board
1.5	Rights and duties of agents and distributors	3	Lecture	Black Board
UNIT -2	**INVENTORY AND DISTRIBUTION MANAGEMENT**			
2.1	Basic principles and charter of GATT/WTO	1	Lecture	Green Board Charts
2.2	GATT/WTO provisions relating to preferential treatment of developing countries;	2	Chalk & Talk	Green Board
2.3	Regional groupings, subsidies,	3	Flipped Learning	E-Content
2.4	Technical standards, anti-dumping duties and other non-tariff barriers	3	Blended Learning	Green Board
2.5	custom valuation;	1	Lecture	PPT & White board

2.6	Implications of WTO to important sectors – GATS, TRIPs and TRIMs	2	Flipped Learning	E-Content
UNIT -3	**SUPPLY CHAIN MANAGEMENT**			
3.1	International Licensing; Franchising;	1	Lecture	Green Board Charts
3.2	Joint Ventures,	1	Chalk & Talk	Green Board
3.3	Patents and trademarks	2	Flipped Learning	E-Content
3.4	Technology transfer	2	Blended Learning	Online/ Field visit
3.5	Telecommunications Electronic Commerce	3	Lecture	PPT & White board
3.6	Intellectual Property Rights	3	Lecture	Smart Board
UNIT -4	**SUPPLY CHAIN RELATIONSHIPS**			
4.1	Electronic Commerce – Cross Border Transactions	3	Blended Learning	Online/ Field visit
4.2	On-line Financial Transfers – Legal Safeguards	2	Lecture	PPT & White board
4.3	International Business Taxation – Tax Laws – Multilateral and Bi-lateral treaties – Sharing of Tax revenues	2	Lecture	Smart Board
4.4	FEMA; Taxation of foreign	2	Lecture	Black

	income; Foreign investments; Setting up offices and branches abroad;			Board
4.5	Restrictions on trade in endangered species and other commodities	3	Discussion	Google classroom
UNIT -5	**VALUES OF SUPPLY CHAIN**			
5.1	Contract of Enforcement	2	Lecture	Green Board Charts
5.2	Dispute Settlement	3	Chalk & Talk	Green Board
5.3	International Commercial Arbitration	3	Flipped Learning	E-Content
5.4	Enforcement of Foreign Awards	2	Blended Learning	Online/ Field visit
5.5	Non- administered and administered arbitration	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%

K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	**-**	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	**-**	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

Nos

C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Introducevarious types of logistics and concepts.	K2	PSO1
CO 2	Focus on inventory control and distribution resource planning in an organisation	K2, K3	PSO2
CO 3	Insist an importance of supply chain management and its global business applications	K3	PSO3
CO 4	Assess the importance of supply chain relationships and conflicts resolution strategies	K4	PSO4
CO 5	Emphasis the role of manager in supply chain along with its values	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –III

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA311	Business Ethics	Major Core	2	2

COURSE DESCRIPTION

This practical course ensures the ethical codes in business and its application in environment. This course also emphasizes the work values, cross cultural differences, global business ethics and the corporate social responsibility of the business enterprises.

COURSE OBJECTIVES

To provide opportunities for understanding basics concepts and ethical practices in business world and develop the skills to manage the issues.

UNITS

UNIT I: INTRODUCTION **[5HRS]**

Ethics – Definition of Business Ethics – Approaches – Ethics and Management

UNIT II: ETHICS AND BUSINESS **[5HRS]**

Business decision making – ethics, economics and law – ethics and law - morality, ethics and ethical theory

UNIT III: ETHICS AND CORPORATION **[5HRS]**

Corporate Social Responsibility – Corporate governance – Corporate ethics program

UNIT IV: ETHICAL VALUES **[5HRS]**

Values at work – Type of work vales – values conflict at workplace – whistle blowing – work valued system and management education – corporate ethical dilemmas.

UNIT V: CROSS – CULTURAL VALUES **[5HRS]**

Globalization and business changes – values for global managers – values west can learn from cast – values east can learn from the west – unethical practices and global initiatives.

SELF STUDY:

Unethical practices and global initiatives

TEXT BOOK :

1. Boatright, John R.,Ethics and the Conduct of Business. --4th ed.,Delhi: Pearson Education, 2003.

REFERENCE BOOKS :

1. Case Histories in Business Ethics Chris Megone; Simon J. Robinson, 3rd edition, Delhi, Routledge, 2002
2. Ethics and Corporate Social Responsibility: Why Giants Fall, Ronald R. Sims, 3rd edition, Delhi, Praeger, 2003

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://oraprdnt.uqtr.uquebec.ca/pls/public/docs/GSC1730/O0000737491_BusinessEthics_OP.pdf
2. https://www.zapmeta.co.in/ws?q=business%20laws%20and%20ethics&asid=zm_in_010_004&abt=1&mt=b&nw=g&de=c&ap=&kid=kwd-13966423721&aid=14456535259&ac=73&cid=206484379&aid=14456535259&kid=kwd-13966423721&locale=en_IN&gclid=EAIaIQobChMI1K2uxeTA7gIVQSQrCh3lcQxdEAMYASAAEgJ4sPD_BwE

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids

UNIT -1	**INTRODUCTION**			
1.1	Ethics – Definition of Business Ethics	2	Flipped Learning	E- Content
1.2	Approaches	2	Blended Learning	Online/ Field visit
1.3	Ethics and Management	1	Lecture	PPT & White board
UNIT -2	**ETHICS AND BUSINESS**			
2.1	Business decision making	1	Flipped Learning	E- Content
2.2	Ethics, economics and law	2	Blended Learning	Online/ Field visit
2.3	Ethics and law - morality, ethics and ethical theory	2	Lecture	PPT & White board
UNIT -3	**ETHICS AND CORPORATION**			
3.1	Corporate Social Responsibility	1	Lecture	Green Board Charts
3.2	Corporate governance	2	Flipped Learning	E- Content
3.3	Corporate ethics program	2	Blended Learning	Online/ Field visit
UNIT -4	**ETHICAL VALUES**			
4.1	Values at work – Type of work vales	1	Blended Learning	Online/ Field visit
4.2	Values conflict at workplace	1	Lecture	PPT & White board
4.3	Whistle blowing	1	Lecture	Smart Board

4.4	Work valued system and management education	1	Discussion	Google classroom
4.5	Corporate ethical dilemmas	1	Discussion	Google classroom
UNIT -5 CROSS-CULTURAL VALUES				
5.1	Globalization and business changes	1	Lecture	Green Board Charts
5.2	Values for global managers	1	Chalk & Talk	Green Board
5.3	Values west can learn from cast	1	Flipped Learning	E- Content
5.4	Values east can learn from the west	1	Blended Learning	Online/ Field visit
5.5	Unethical practices and global initiatives	1	Lecture	PPT & White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%

K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	**20**
Non Scholastic	**5**
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
5	**5**	**5**	**5**	**5**	**25**	**25**	**50**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Know about the concept of business ethics	K2	PSO1
CO 2	outline the ethics and law in the business environment	K2, K3	PSO2
CO 3	Insist on the ethics and corporate social responsibility of companies	K3	PSO3
CO 4	Give knowledge work values are its types	K4	PSO4
CO 5	Emphasize on values of cross culture	K5	PSO5

	and global business environment		

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

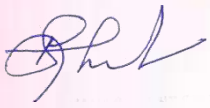
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha



Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA401	International Business Management	MAJOR CORE	4	4

COURSE DESCRIPTION

This course focuses on broad business administration skills. It combines International business strategies and culture.

COURSE OBJECTIVES

This course equip the students with the knowledge of International Business.

UNITS

UNITS I: INTRODUCTION [12 HRS]

The perspectives relevance of globalization – International/ Global marketing- International orientation – Internationalisation Stages – Drivers and Restrainers of globalization – Restraining Forces- International Business Decision – Types of International Business – Supply chain and value chain management – Make or buy – Global sourcing Partnering / Relationship Marketing – Global Networking of operation – Location strategy – International Logistics.

UNIT II: INTERNATIONAL TRADING [12 HRS]

Protectionism – Tariff Barriers – Non tariff Barriers- Commodity agreement – Cartels – State trading – trade blocs – European Union – South- south cooperation – SAARC – SAPTA- Indo- Lanka free trade agreement. International Monetary Fund – Financing

facilities and policies – World Bank – An evaluation of IMF World bank - Asian Development bank – UNCTAD – International Trade Centre.

UNITS III: MNC'S AND MARKETING STRATEGIES [12 HRS]

Definition and meaning – Transnationality index and network spread index – MNC Organizational models – Dominance of MNCs and international trade – Multinationals in India. Market entry strategies – Exporting – Licensing and Franchising – Contract manufacturing – Management contracting – Turn key contracts –Fully owned manufacturing facilities – Assembly operations – Joint venture – Third country location – Mergers and acquisitions – Strategic alliance – Counter trade.

UNIT IV: GLOBALISATION AND INDIA IN GLOBAL SETTING [12 HRS]

Globalisation and economic implications – globalisation of business – Implications and impact – Policy options, India in global setting – India as - An Emerging market – India in global trade – Liberalisation and integration with the global economy

UNIT V: ISSUES IN INTERNATIONAL BUSINESS [12 HRS]

Globalisation of Indian business – Obstacles to globalization- Factors favouring globalization- Globalisation strategies – conclusion, some social issues in international business – Business ethics- Social responsibility of Business – Responsibilities to different sectors – Environmental issues – Labour issues.

SELF STUDY:

Globalisation of Indian business – Obstacles to globalization- Factors favouring globalization

TEXT BOOK :

1. Francis Cherunilam, International Business Text and Cases, 5th ed., New Delhi: Prentice Hall of India Pvt.Ltd., 2016.

REFERENCE BOOKS:

1. Justin Paul, International Business, 6th ed., New Delhi: Prentice-Hall of India Pvt. Ltd., 2014.
2. John D. Daniels, Lee H. Radebaugh, International Business Environments and Operation, 12th ed., New Delhi: Pearson (Singapore) Pte. Ltd., Indian Branch, 2011

3. Charles W.L. Hill University of Washington, International Business, 6th ed., New Delhi: Tata McCraw- Hill Publishing Company Ltd., 2013

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://jnujprdistance.com/assets/lms/LMS%20JNU/MBA/MBA%20-%20Marketing%20Management/Sem%20IV/International%20Business%20Management/International%20Business%20Management.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	The perspectives relevance of globalization	3	Chalk & Talk	Black Board
1.2	International/ Global marketing- International orientation – Internationalisation Stages	2	Chalk & Talk	LCD
1.3	Drivers and Restrainers of globalization – Restraining Forces	2	Lecture	PPT & White board
1.4	International Business Decision – Types of International Business	2	Lecture	Smart Board
1.5	Supply chain and value chain management – Make or buy – Global sourcing	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Partnering / Relationship Marketing – Global Networking of operation – Location strategy –	1	Discussion	Google classroom

	International Logistics.			
UNIT -2	**INTERNATIONAL TRADING**			
2.1	Protectionism – Tariff Barriers – Non tariff Barriers- Commodity agreement	2	Lecture	Green Board Charts
2.2	Cartels – State trading – trade blocs – European Union – South-south cooperation	2	Chalk & Talk	Green Board
2.3	SAARC – SAPTA- Indo- Lanka free trade agreement	3	PPT	LCD
2.4	International Monetary Fund – Financing facilities and policies – World Bank – An evaluation of IMF World bank	3	PPT	LCD
2.5	Asian Development bank – UNCTAD – International Trade Centre.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**MNC'S AND MARKETING STRATEGIES**			
3.1	Definition and meaning – Transnationality index and network spread index	4	Lecture	PPT & White board
3.2	MNC Organizational models – Dominance of MNCs and international trade – Multinationals in India.	4	Lecture	PPT & White board
3.3	Market entry strategies – Exporting – Licensing and Franchising – Contract manufacturing – Management contracting – Turn key contracts –Fully owned manufacturing facilities – Assembly operations – Joint venture – Third country location –	4	Chalk & Talk	Black Board

	Mergers and acquisitions – Strategic alliance – Counter trade.			
UNIT -4	**GLOBALISATION AND INDIA IN GLOBAL SETTING**			
4.1	Globalisation and economic implications – globalisation of business	2	Discussion	Black Board
4.2	Implications and impact – Policy options, India in global setting	2	Chalk & Talk	Black Board
4.3	India as - An Emerging market	2	Lecture	PPT & White board
4.4	India in global trade	3	Lecture	PPT & White board
4.5	Liberalisation and integration with the global economy	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -5	**ISSUES IN INTERNATIONAL BUSINESS**			
5.1	Globalisation of Indian business	1	Discussion	Black Board
5.2	Obstacles to globalization	3	Chalk & Talk	Black Board
5.3	Factors favouring globalization- Globalisation strategies – conclusion	2	Lecture	PPT & White board
5.4	some social issues in international business – Business ethics- Social responsibility of Business	3	Lecture	PPT & White board
5.5	Responsibilities to different sectors – Environmental issues – Labour issues.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**

✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explain the need and relevance of International Business.	K2	PSO1
CO 2	Assess tariff barriers and role of various institutions in International Business	K3	PSO2

CO 3	Analyse multinational companies and various market entry strategies	K4	PSO3
CO 4	Compare globalization and Indian business settings	K4	PSO4
CO 5	Discuss issues in International Business.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5

CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. **Staff Name: Dr. M. Nagarenitha**

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA402A	Rural Marketing	Major Core	4	4

COURSE DESCRIPTION

This course familiarises the students with conceptual understanding of rural marketing and development practices in Indian context.

COURSE OBJECTIVES

To enable students to understand the opportunities in rural marketing.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Rural Marketing – Definition – Characteristics, scope and importance of Rural Market – Rural Vs Urban Marketing.

UNIT II : CONSUMER BEHAVIOUR [12 HRS]

Rural Market Environment – Rural demand – Challenges in Rural Marketing – Consumer Behaviour in Rural Market.

UNIT III : SEGMENTATION [12 HRS]

Rural Market segmentation – Product strategies – Role of New Products – Packaging for Rural Markets – Role of Pricing in Rural Marketing.

UNIT IV : MARKETING IN RURAL MARKET [12 HRS]

Channel Management: Methods and Problems in Physical Distribution – Storage and Warehousing – function of Central & State Warehousing Corporation – Co-operative Marketing – Retailing – Marketing communication: Methods, Constraints, Message delivery, Media selection, Personal selling, and Opinion leaders.

UNIT V: RECENT TRENDS [12 HRS]

Marketing of agricultural inputs, agricultural produce, Consumer products, Consumer durables, Marketing of Rural / Cottage industry / artisan products Indian companies specializing in rural Marketing – Trends in rural marketing

SELF STUDY:

Challenges in Rural Marketing

TEXT BOOK :

1. Gopaalswamy T.P. Rural Marketing – Environment, Problems and strategies,3rd ed., Vikas Publishing.,2014

REFERENCE BOOKS :

1. Ramkishen Y., New perspectives in Rural Agricultural Marketing 2nd Ed., Jaico Publishing House., Mumbai., 2007
2. Dogra Balram, Ghuman karminder., Rural marketing Concepts and Practices., TATA Mc Graw Hill Education pvt. Ltd.,NewDelhi, 2011
3. Krishnamacharyulu C.S.G., Lalitha Ramakrishnan, Cases in Rural marketing: An Integrated Approach, Dorling Kindersley Pvt. Ltd., New Delhi, 2009
4. Krishnamoorthy R., Intoduction to Rural marketing, 2nd Himalaya Publishing House Pvt. Ltd.,Mumbai, 2009
5. Kashyap Pradeep, Rural Marketing, 3rd Ed., Pearson India Education Services Pvt. Ltd., Chennai, 2016

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1. http://www.ddegjust.ac.in/studymaterial/mba/mm-310.pdf
2. https://www.iare.ac.in/sites/default/files/lecture_notes/IARE_RM_NOTES_2.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Rural Marketing	3	Chalk & Talk	Black Board
1.2	Definition – Characteristics,	3	Chalk & Talk	LCD
1.3	Scope and importance of Rural Market	3	Lecture	PPT & White board
1.4	Rural Vs Urban Marketing.	3	Lecture	Smart Board
UNIT -2	**CONSUMER BEHAVIOUR**			
2.1	Rural Market Environment	3	Lecture	Green Board Charts
2.2	Rural demand	3	Chalk & Talk	Green Board
2.3	Challenges in Rural Marketing	3	PPT	LCD
2.4	Consumer Behaviour in Rural Market.	3	PPT	LCD
UNIT -3	**SEGMENTATION**			
3.1	Rural Market segmentation	4	Lecture	PPT & White board

3.2	Product strategies , Role of New Products	4	Lecture	PPT & White board
3.3	Packaging for Rural Markets – Role of Pricing in Rural Marketing	4	Chalk & Talk	Black Board
UNIT -4	**MARKETING IN RURAL MARKET**			
4.1	Channel Management: Methods and Problems in Physical Distribution	2	Discussion	Black Board
4.2	Storage and Warehousing – function of Central & State Warehousing Corporation	2	Chalk & Talk	Black Board
4.3	Co-operative Marketing – Retailing	2	Lecture	PPT & White board
4.4	Marketing communication: Methods, Constraints	3	Lecture	PPT & White board
4.5	Message delivery, Media selection	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
4.6	Personal selling, and Opinion leaders	1	Discussion	Black Board
UNIT -5	**RECENT TRENDS**			
5.1	Marketing of agricultural inputs, agricultural produce	1	Discussion	Black Board
5.2	Consumer products, Consumer durables	3	Chalk & Talk	Black Board
5.3	Marketing of Rural / Cottage	2	Lecture	White

	industry / artisan products			board
5.4	Indian companies specializing in rural Marketing	3	Lecture	PPT & White board
5.5	Trends in rural marketing	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED	PSOs ADDRESSED

		BLOOM'S TAXONOMY)	
CO 1	Discuss the characteristics of rural market.	K2	PSO1
CO 2	Analyse the challenges in rural marketing and rural market consumer behaviour.	K3	PSO2
CO 3	Assess rural marketing mix	K4	PSO3
CO 4	Explain channel management and communication in rural market.	K4	PSO4
CO 5	Outline industrial setup in rural market and recent trends	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3

CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name:Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA402B	Services Marketing	Major Elective	5	5

COURSE DESCRIPTION

This course of examines the important issues faced by the service providers and the successful implementation of a customer focus in service based businesses.

COURSE OBJECTIVES

To enable the students to apply marketing concept in various service industries.

UNITS

UNIT I :EVOLUTION AND CHARACTERISTICS [12 HRS]

Introduction of services marketing: Evolution of the service sector, characteristic of services, marketing implication, service classification and service marketing mix. Consumer behaviour and services: understanding the service consumers, information search and evolution of attributes of dissatisfaction, service perception and implication for marketers. Segmentation targeting and positioning of services: segmentation of the market for services, positioning through the value-chain, positioning alternatives.

UNIT II : SERVICE AND PRICING [12 HRS]

Product: concepts of the service product, core tangibles and augmented product, understanding, supporting and facilitation services, developing the service product.

Pricing: understand cost components of price, pricing techniques and strategic, price bundling as a concept, consumer expectations and the pricing decision**.**

UNIT III :PROMOTION AND PHYSICAL DISTRIBUTION [12 HRS]

Key issues in services promotion, word-of-mouth, public relations and image management, promotional tools and campaign planning.

Physical Distribution and customer service: distribution and customer service, channels for services, role of intermediaries, location decisions and franchising.

UNIT IV :PEOPLE, PROCESS AND PHYSICAL EVIDENCE [12 HRS]

People: understanding the role of the fifth P and marketing implications, internal marketing, investing in people for strategic service advantage.

Process: Role and structure of service process, managing demand and capacity, understanding patterns of demand for services, demand management strategies.

Physical evidence: Scope, types of physical evidence and their marketing implication, managing physical evidence strategic advantage.

UNIT V: SERVICE QUALITY [12 HRS]

Issues and concepts of service quality, dimensions of service quality, dimensions service quality, servqual model and managing service quality - Service strategies: identification of critical success factors for developing effective service strategies.

SELF STUDY

Identification of critical success factors for developing effective service strategies.

TEXT BOOK :

1. RaviShanker: Services marketing: The Indian Perspective, Excel Book, New Delhi, 2013.
2. Payne, Essence of Services Marketing, Prentice Hall of India, New Delhi, 2002.

REFERENCE BOOKS:

1. Valarie A. Zeithamal & Mary Jo Bitner, Services Marketing 6th editon, Tata Mc Graw Hill, 2013
2. Harsh Verma.V., Services marketing Text And Cases, 2nd Ed., Dorling Kindersley India Pvt. Ltd., 2012
3. Dr.Shajahan.S., Services Marketing (Concepts, Practices & Cases from Indian Environment), Himalaya Publing House, 2011
4. Rajendra Nargundhkar, Services Marketing text and Cases, 3rd Ed., Tata McGraw Hill Education Pvt. Ltd., NewDelhi, 2011
5. Gupta .S.L., Marketing of Services Text and Cases, International Book House Pvt. Ltd., 2012.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://sdeuoc.ac.in/sites/default/files/sde_videos/SLM-MCom-SERVICE%20MARKETING.pdf
2. https://ebs.online.hw.ac.uk/EBS/media/EBS/PDFs/Services-Marketing-Course-Taster.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**EVOLUTION AND CHARACTERISTICS**			
1.1	Introduction of services marketing: Evolution of the service sector, characteristic of services	3	Chalk & Talk	Black Board
1.2	Marketing implication, service classification and service marketing mix	2	Chalk & Talk	LCD
1.3	Consumer behaviour and services: understanding the service consumers, information search and evolution of attributes of dissatisfaction,	2	Lecture	PPT & White board
1.4	Service perception and implication for marketers	2	Lecture	Smart Board
1.5	Segmentation targeting and positioning of services: segmentation of the market for services	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
1.6	Positioning through the value-chain, positioning alternatives.	1	Discussion	Google classroom
UNIT -2	**SERVICE AND PRICING**			
2.1	Product: concepts of the service product, core tangibles and augmented product	3	Lecture	Green Board Charts

2.2	Understanding, supporting and facilitation services, developing the service product.	3	Chalk & Talk	Green Board
2.3	Pricing: understand cost components of price, pricing techniques and strategic	3	PPT	LCD
2.4	Price bundling as a concept, consumer expectations and the pricing decision	3	PPT	LCD
UNIT -3	**PROMOTION**			
3.1	Key issues in services promotion, word-of-mouth, public relations and image management	4	Lecture	PPT & White board
3.2	Promotional tools and campaign planning	4	Lecture	PPT & White board
3.3	Distribution and customer service: distribution and customer service, channels for services, role of intermediaries, location decisions and franchising	4	Chalk & Talk	Black Board
UNIT -4	**UNDERSTANDING PATTERNS OF DEMAND**			
4.1	People: understanding the role of the fifth P and marketing implications, internal marketing, investing in people for strategic service advantage	4	Discussion	Black Board
4.2	Process: Role and structure of service process, managing demand and capacity, understanding patterns of demand for services, demand management strategies.	4	Chalk & Talk	Black Board
4.3	Physical evidence: Physical evidence and service scope, types of physical evidence and their marketing	4	Lecture	PPT & White

	implication, managing physical evidence strategic advantage			board
UNIT -5	**SERVICE QUALITY**			
5.1	Issues and concepts of service quality	3	Discussion	Black Board
5.2	Dimensions of service quality	3	Chalk & Talk	Black Board
5.3	Servqual model and managing service quality	3	Lecture	PPT & White board
5.4	Service strategies: identification of critical success factors for developing effective service strategies	3	Lecture	PPT & White board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**

K3	**5**	-	-	**5**	**10**		**10**	**20%**
K4	**5**	**5**	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	-	**10**		**10**	**20%**
Non Scholastic	-	-	-	-	-	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S	PSOs ADDRESSED

		TAXONOMY)	
CO 1	Discuss evolution of service marketing, consumer behaviour and segmentation, targeting and positioning	K2	PSO1
CO 2	Explain product and pricing in service industries	K2	PSO2
CO 3	Analyse promotion and distribution in service industries	K2, K3	PSO3
CO 4	Compile the concepts of people, process and physical evidences in service marketing	K4	PSO4
CO 5	Apply service quality and strategies in various industries	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2

CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME	COURSE CODE	COURSE	CATEGORY	HRS/W	CREDITS

CODE		TITLE		EEK	
MBA	19MBA402C	Consumer Behaviour	Major Elective	5	5

COURSE DESCRIPTION

This course applies knowledge from the field of psychology, sociology, anthropology and economics to describe and understand how consumers are likely to behave in many different consumption situations.

COURSE OBJECTIVES

To identify factors influencing consumer behaviour and its applications.

UNITS

UNIT I: INTRODUCTION **[12 HRS]**

The Diversity of consumer behaviour – Definition – Importance – The consumer movement – The Role of Consumer Research

UNIT II:LIFE STYLE **[12 HRS]**

Social – Measurement of social class – Social stratification – life style profile – Selected Consumer Behaviour – Applications of social class

UNIT III:CULTURE **[12 HRS]**

Characteristics – Measurement of culture – cross culture - Sub cultural influences on Consumer Behavior.

UNIT IV:DECISION MAKING **[12 HRS]**

Process, Personal influence & Opinion leadership process – Diffusion of innovations – Consumer decision Making model.

UNIT V:CONSUMER PROTECTION **[12 HRS]**

Attitudes & Believes of the Consumer – Consumer Protection**.**

SELF STUDY:

Cross culture - Sub cultural influences on Consumer Behaviour

TEXT BOOK:

1. Schiffman, Leon G.,lesllie lazar karuk, Consumer Behavior, 10th ed, New Delhi: Prentice Hall of India Pvt Ltd, 2011.

REFERENCE BOOKS:

1. Blackwell, Consumer Behaviour / Blackwell, Miniard and Engel. Australia: Thomson, 2006.
2. Nair, Suja R., Consumer Behaviour in Indian Perspective, Text and Cases, Himalaya Publishing House,Mumbai, 2014.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.sjput.in/pdf/markiii_cb.pdf
2. https://ebs.online.hw.ac.uk/EBS/media/EBS/PDFs/Consumer-Behaviour-Course-Taster.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	The Diversity of consumer behaviour	3	Chalk & Talk	Black Board
1.2	Definition	2	Chalk & Talk	LCD
1.3	Importance	2	Lecture	PPT & White board
1.4	The consumer movement	2	Lecture	Smart Board
1.5	The Role of Consumer Research	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**LIFE STYLE**			

2.1	Social – Measurement of social class	2	Lecture	Green Board Charts
2.2	Social stratification	2	Chalk & Talk	Green Board
2.3	Life style profile	3	PPT	LCD
2.4	Selected Consumer Behaviour	3	PPT	LCD
2.5	Applications of social class	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**CULTURE**			
3.1	Characteristics	4	Lecture	PPT & White board
3.2	Measurement of culture – cross culture	4	Lecture	PPT & White board
3.3	Sub cultural influences on Consumer Behavior	4	Chalk & Talk	Black Board
UNIT -4	**DECISION MAKING**			
4.1	Process	4	Discussion	Black Board
4.2	Personal influence & Opinion leadership process	4	Chalk & Talk	Black Board
4.3	Diffusion of innovations – Consumer decision Making model	4	Lecture	PPT & White board
UNIT -5	**CONSUMER PROTECTION**			
5.1	Attitudes & Believes of the Consumer	6	Discussion	Black Board
5.2	Consumer Protection	6	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC	NON -	MARKS

				SCHOLASTIC			
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED	PSOs ADDRESSED

		BLOOM'S TAXONOMY)	
CO 1	Explain the need for studying consumer behaviour and consumer research	K2	PSO1
CO 2	Discuss the role of social factors in consumer behaviour	K2	PSO2
CO 3	Analyse the role of culture in understanding consumers	K3	PSO3
CO 4	Outline consumer decision process and models	K4	PSO4
CO 5	Compile the influence of attitude and belief in consumer behaviour	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3

CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA402D	Retail Management	Major Elective	5	5

COURSE DESCRIPTION

This course develops an in-depth understanding of retail and services management as well as non-store retailing.

COURSE OBJECTIVES

To enable the students to gain knowledge on retailing.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Meaning, definition – Retailer – Channels of Distribution – Evolution of Retailing – Functions of Retailing

UNIT II :TRENDS IN THE INDUSTRY [12 HRS]

Industry overview – National and International perspective – Economic significance of Retailing – Trends and opportunities in Retail Industry

UNIT III :CLASSIFICATION [12 HRS]

Retail formats – convenience stores – specialty – Supermarket – Discount stores – Super stores – Department stores – Hyper – Ware house stores / Club – Mall – Director catalogue retailing – web stores.

UNIT IV :MANAGEMENT [12 HRS]

Elements of retail operations – Store administration and Management of premises – Managing Inventory, Display, Receipts – Customer service, promotions and events.

UNIT V: STRAEGIES [12 HRS]

Retail Marketing strategy – Building a sustainable competitive advantage – Growth strategies – Strategic Retail planning process.

SELF STUDY :

Department stores – Hyper – Ware house stores / Club – Mall

TEXT BOOK:

1. Gibson G Vedamani, Retail Management, 3rd ed, Bombay: Jaico Publishing House, 2012

REFERENCE BOOKS :

1. Levy, Michael, Retailing Management / Michael Levy and Barton A Weitz.,8th Ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2015.
2. Dion, Jim., Start and Run A Retail Business / Jim Dion and Ted Topping, Bombay: Jaico Publishing House, 2007.
3. Swapna Pradhan, Retailing Management: Text and Cases, 5th ed,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2017.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://sim.edu.in/wp-content/uploads/2018/02/RETAIL-MANAGEMENT-Notes.pdf
2. http://newhorizonindia.edu/nhc_kasturinagar/wp-content/uploads/2020/06/VI-SEM-BBA-Retaail-Mgt.-notes.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Meaning, definition	3	Chalk & Talk	Black Board
1.2	Retailer – Channels of Distribution	3	Chalk & Talk	LCD

1.3	Evolution of Retailing	3	Lecture	PPT & White board
1.4	Functions of Retailing	3	Lecture	Smart Board
UNIT -2	**TRENDS IN THE INDUSTRY**			
2.1	Industry overview	3	Lecture	Green Board Charts
2.2	National and International perspective	3	Chalk & Talk	Green Board
2.3	Economic significance of Retailing	3	PPT	LCD
2.4	Trends and opportunities in Retail Industry	3	PPT	LCD
UNIT -3	**CLASSIFICATION**			
3.1	Retail formats – convenience stores – specialty – Supermarket	4	Lecture	PPT & White board
3.2	Discount stores – Super stores – Department stores – Hyper – Ware house stores / Club	4	Lecture	PPT & White board
3.3	Mall – Director catalogue retailing – web stores	4	Chalk & Talk	Black Board
UNIT -4	**MANAGEMENT**			
4.1	Elements of retail operations	3	Discussion	Black Board
4.2	Store administration and Management of premises	3	Chalk & Talk	Black Board

4.3	Managing Inventory, Display, Receipts	3	Lecture	PPT & White board
4.4	Customer service, promotions and events.	3	Lecture	PPT & White board
UNIT -5	**STRATEGIES**			
5.1	Retail Marketing strategy	3	Discussion	Black Board
5.2	Building a sustainable competitive advantage	3	Chalk & Talk	Black Board
5.3	Growth strategies	3	Lecture	PPT & White board
5.4	Strategic Retail planning process	3	Lecture	PPT & White board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %

Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline channels of Distribution and evolution of retailing	K2	PSO1
CO 2	Discuss trends and opportunities in retailing	K2	PSO2
CO 3	Analyse various retail formats	K3	PSO3
CO 4	Assess the role of Inventory display inretailing	K4	PSO4
CO 5	Explain retailing ad a sustainable competitive strategy	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5

CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M. Nagarenitha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA403A	Relational Database Management System & Oracle	Major Elective	5	5

COURSE DESCRIPTION

This course aims on the data base and its concepts along with its applications in business. This course also emphasizes the recent developments in RDBMS and Oracle to make the students to run a business in an effective manner.

COURSE OBJECTIVES

To provide in depth knowledge about the applications of retinal database management system and oracle.

UNITS

UNIT I: INTRODUCTION [12 HRS]

Introduction: The evolution – modeling the real world – An alternative view of modeling – The conventional technique – the data base management system – A data base system. Introduction: the schema and sub schema – manipulative capabilities – guidelines for use – different user interfaces. Relational Model: Concepts of the relations Model – The relational algebra – The relational calculus – DSL ALPHA.

UNIT II: DATA MANIPULATION [12 HRS]

Normalization: Introduction – functional dependence – Multi valued dependency – candidate and primary key – normalization. A DBMS based on the relational Model: Introduction – The mapping operation – data manipulation facilities – d ata definition facilities – data control facilities.

UNIT III: ORACLE [12 HRS]

ORACLE: The right tool for many jobs – what a relational database Management System Does – The database Administration – The end user – The system Developer – How oracle organizes Data – How oracle Accessed Data – The oracle Environment – database Management Tools – Data Access and Manipulation Tools – programming Tools – Connectivity Tools – Oracle gives you Security and Control – Oracle performs competitively – Oracle supports Applications Development – Oracle use the SQL command set – Interfacing with oracle SQL and SQL *Plus – Loading the oracle protected mode executive – Logging on to oracle with SQL*Plus – Changing the "Super user" password – Granting user privileges – Dropping users and Altering Privileges – A SQL printer – Types of SQL statement s- Anatomy of a SQL command – SQL*Plus data types

UNIT IV :DATABASE MANAGEMENT [12 HRS]

Designing a Database, Crating tables, and adding Data – Structuring a Relational Database – A sample Database – Understanding Table Components – Naming a Table – Assigning Storage Data types – Crating a Table in SQL*Plus – Creating table - Other Tables – Creating synonyms – Documenting Table structures – Changing table structure – Renaming a table – Altering a table – Dropping a table – Manipulating the date in a table – Inserting data into a table – SQL * Forms

UNIT V: SQL [12 HRS]

Understanding SQL*Forms – A new concept in Applications Development – Engineering SQL*Forms – Customizing with the Full screen Editor programming with Triggers – Generating a Form – Running a Form – Entering the query – Formatting your Report Reviewing the Group settings – Report menu – Parameter settings – Using SQL*Menu – Understanding SQL*Menu – Managing menu security – Managing libraries and Applications – Maintains Database Security – An Employee Database Application – Establishing User system – Level Privileges – Establishing User object – Legal Privileges Auditing.

SELF STUDY:

SQL printer

TEXT BOOK:

1. Mehta, Subhash.,DBMS: Data Base Management Systems.,New Delhi: Wheeler`s Publishing, 2014.

REFERENCE BOOKS:

1. Loney, Kevin.,Oracle 8 DBA Handbook. ,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2010.
2. Corey, Michael(et al.).,Oracle 8 Data Warehousing.,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2015.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://docs.oracle.com/cd/E11882_01/server.112/e40540.pdf
2. http://www.rjspm.com/PDF/BCA-428%20Oracle.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction: The evolution – modeling the real world	1	Chalk & Talk	Black Board
1.2	An alternative view of modeling – The conventional technique	2	Chalk & Talk	LCD
1.3	The data base management system – A data base system. Introduction: the schema and sub schema	2	Lecture	PPT & White board
1.4	Manipulative capabilities – guidelines for use	1	Lecture	Smart Board

1.5	Different user interfaces. Relational Model: Concepts of the relations Model	2	Lecture	Black Board
1.6	The relational algebra	2	Discussion	Google classroom
1.7	The relational calculus – DSL ALPHA	2	Lecture	Black Board
UNIT -2	**DATA MANIPULATION**			
2.1	Normalization: Introduction – functional dependence	1	Lecture	Green Board Charts
2.2	Multi valued dependency – candidate and primary key	2	Chalk & Talk	Green Board
2.3	Normalization. A DBMS based on the relational Model: Introduction	2	Flipped Learning	E- Content
2.4	The mapping operation	2	Blended Learning	Online/ Field visit
2.5	Data manipulation facilities	2	Lecture	PPT & White board
2.6	Data definition facilities	1	Lecture	Smart Board
2.7	Data control facilities	2	Lecture	Black Board
UNIT -3	**ORACLE**			
3.1	ORACLE: The right tool for many jobs – what a relational database Management System Does	3	Lecture	Green Board Charts

3.2	The database Administration – The end user – The system Developer – How oracle organizes Data – How oracle Accessed Data	3	Chalk & Talk	Green Board
3.3	The oracle Environment – database Management Tools – Data Access and Manipulation Tools – programming Tools – Connectivity Tools – Oracle gives you Security and Control – Oracle performs competitively – Oracle supports Applications Development – Oracle use the SQL command set	3	Flipped Learning	E- Content
3.4	Interfacing with oracle SQL and SQL *Plus – Loading the oracle protected mode executive – Logging on to oracle with SQL*Plus – Changing the "Super user" password – Granting user privileges – Dropping users and Altering Privileges	1	Blended Learning	Online/ Field visit
3.5	A SQL printer – Types of SQL statement s- Anatomy of a SQL command – SQL*Plus data types	2	Chalk & Talk	Green Board
UNIT -4	**DATABASE MANAGEMENT**			
4.1	Designing a Database, Crating tables, and adding Data – Structuring a Relational Database	3	Blended Learning	Online/ Field visit
4.2	A sample Database – Understanding Table Components – Naming a Table	2	Lecture	PPT & White

	– Assigning Storage Data types – Crating a Table in SQL*Plus – Creating table - Other Tables			board
4.3	Creating synonyms – Documenting Table structures – Changing table structure – Renaming a table – Altering a table – Dropping a table	2	Lecture	Smart Board
4.4	Manipulating the date in a table – Inserting data into a table	2	Lecture	Black Board
4.5	SQL * Forms	3	Discussion	Google classroom
UNIT -5	**SQL**			
5.1	Understanding SQL*Forms – A new concept in Applications Development – Engineering SQL*Forms	2	Lecture	Green Board Charts
5.2	Customizing with the Full screen Editor programming with Triggers – Generating a Form – Running a Form – Entering the query	3	Chalk & Talk	Green Board
5.3	Formatting your Report Reviewing the Group settings – Report menu – Parameter settings	2	Flipped Learning	E- Content
5.4	Using SQL*Menu – Understanding SQL*Menu – Managing menu security	3	Blended Learning	Online/ Field visit
5.5	Managing libraries and Applications – Maintains Database Security – An Employee Database Application – Establishing User system – Level	2	Lecture	PPT & White board

	Privileges – Establishing User object – Legal Privileges Auditing			

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL	PSOs ADDRESSED

		(ACCORDING TO REVISED BLOOM'S TAXONOMY)	
CO 1	Outline the evolution of database management system	K2	PSO1
CO 2	Give a frame work a relational model of DBMS and its data control facilities	K2	PSO2
CO 3	Analyze ORACLE environment and SQL commands	K3	PSO3
CO 4	Identify ways of designing database and format models for its applications in business.	K4	PSO4
CO 5	Knowledge about SQL and its applications	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5

CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA403B	Internet And Java Programming	Major Elective	5	5

COURSE DESCRIPTION

In order to cope up with the recent developments and designing an e-business, this course is framed for the students. It also focuses on the concepts and areas of internet and Java programming.

COURSE OBJECTIVES

To enable the students to understand the basics of internet and java programming.

UNITS

UNIT I: INTRODUCTION [12 HRS]

Internet – About Browsers – URL's Web Designing – parts of URL – URL technology – anatomy of URL – Usage of URL – URL Language – applications – Types – latest technologies – avoidances – long URL

UNIT II: VARIABLES [12 HRS]

Data Types – Variables – Arrays – Operators – Control Statements – Introduction to classes – Constructors – Finalizer – Methods and Classes – Inheritance. - Variable Declaration -Variable Initialization - Types of variables - Data Types in Java - Type Conversion & Type Casting

UNIT III: PACKAGE AND INTERFACE [12 HRS]

Package and Interfaces – Exception Handing – Threads and Synchronization – String Handing – Java I/D Classes and Interfaces – types of packages – built – in – user defined – creating package – syntax – sub packages.

UNIT IV: AWT **[12 HRS]**

Introduction to Applets – life cycle – class – parameters - Event handing – Introducing AWT: working with Windows, Graphics and Text – AWT Controls – Layout Managers and Menus – web programming

UNIT V: NETWORKING **[12 HRS]**

Introduction to Networking – Java and Net – TCP/IP – Introduction JDBC.- basics of networking – types – end to end encryption – wireless networking

SELF STUDY:

AWT Controls

TEXT BOOK:

1. Alagarsamy, K.,JAVA in a Single Touch Feel It Hot. --1st ed. ,New Delhi: Galgotia Publications Ltd, 2013.

REFERENCE BOOKS :

1. Heller, Philip.,Java 2 Developer's Handbook.,New Delhi: Bpb Publications, 2014.
2. Naughton, Patrick, Java 2: The Complete Reference. 3rd ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2015.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.iitk.ac.in/esc101/share/downloads/javanotes5.pdf
2. https://www.cs.cmu.edu/afs/cs.cmu.edu/user/gchen/www/download/java/LearnJava.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Internet – About Browsers –	1	Chalk & Talk	Black Board
1.2	URL's Web Designing – parts of URL – URL technology –	2	Chalk & Talk	LCD
1.3	Anatomy of URL –	2	Lecture	PPT & White board
1.4	Usage of URL –	1	Lecture	Smart Board
1.5	URL Language – applications –	2	Lecture	Black Board
1.6	Types – latest technologies –	2	Discussion	Google classroom
1.7	Avoidances – long URL	2	Lecture	Black Board
UNIT -2	**VARIABLES**			
2.1	Data Types – Variables – Arrays – Operators	1	Lecture	Green Board Charts
2.2	Control Statements – Introduction to classes – Constructors – Finalizer – Methods and Classes	2	Chalk & Talk	Green Board
2.3	Inheritance. - Variable Declaration	2	Flipped Learning	E- Content
2.4	Variable Initialization - Types of variables	2	Blended Learning	Online/ Field visit
2.5	Data Types in Java	2	Lecture	PPT & White board
2.6	Type Conversion & Type Casting	3	Lecture	Smart Board

UNIT -3	**PACKAGE AND INTERFACE**			
3.1	Package and Interfaces – Exception Handing	3	Lecture	Green Board Charts
3.2	Threads and Synchronization	3	Chalk & Talk	Green Board
3.3	String Handing – Java I/D Classes and Interfaces	3	Flipped Learning	E- Content
3.4	Types of packages – built – in – user defined – creating package – syntax – sub packages	3	Blended Learning	Online/ Field visit
UNIT -4	**AWT**			
4.1	Introduction to Applets	3	Blended Learning	Online/ Field visit
4.2	Life cycle – class – parameters - Event handing – Introducing AWT	2	Lecture	PPT & White board
4.3	Working with Windows, Graphics and Text	2	Lecture	Smart Board
4.4	AWT Controls – Layout Managers and Menus	2	Lecture	Black Board
4.5	Web programming	3	Discussion	Google classroom
UNIT -5	**NETWORKING**			
5.1	Introduction to Networking – Java and Net	2	Lecture	Green Board Charts
5.2	TCP/IP – Introduction	3	Chalk &	Green

			Talk	Board
5.3	JDBC.- basics of networking	2	Flipped Learning	E- Content
5.4	Types	3	Blended Learning	Online/ Field visit
5.5	End to end encryption – wireless networking	2	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5

	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Introduce the browsers and URL in web designing	K2	PSO1
CO 2	Enable to know various types of data and inheritance	K2	PSO2
CO 3	Framework of various packages and interfaces along with exception banding	K3	PSO3
CO 4	Insist on working with windows graphics and texts	K4	PSO4
CO 5	Introduce networking and IDBC	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2** ♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. N. Asha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA403C	Computer Networks	Major Elective	5	5

COURSE DESCRIPTION

This course examines the concepts and features of computer networks in the present scenario. It involves the various types of networking and its impact in the business.

COURSE OBJECTIVES

To provide information about the concepts of computer networks and their inferences in the business environment.

UNITS

UNIT I: INTRODUCTION [12 HRS]

Introduction: Computer Networks – Applications of Networks, Line Configuration in Computer Networks, Types of Network topology, OSI reference Model.

UNIT II: TRANSMISSION MEDIA [12 HRS]

Meaning – Factors to be considered while selecting a Transmission Medium – Transmission modes – Types of Transmission Media - Guided Transmission media – Coaxial – Fibre optics – Twisted – Unguided Transmission Media – Radio transmission – Microwave transmission – Error Detection and correction.

UNIT III: DATA COMMUNICATION [12 HRS]

Data Communications – Meaning, Types, Components Transmission – Synchronous and Asynchronous Transmission - Transmission modes in computer networks – Simplex, Half duplex and Full duplex modes.

UNIT IV: COMMUNCATION NETWORKS [12 HRS]

Types of Communication networks: Introduction to LAN – Characteristics, Applications, Advantages & Disadvantages, Common types. MAN – Characteristics, Advantages & Disadvantages, working, Types. WAN – Characteristics, Advantages & Disadvantages, and Types.

UNIT V: INTERNETWORK & WIRELESS NETWORK [12 HRS]

Inter Network – Meaning, Units of Internetworking. Internetwork addressing – Kinds – Challenges to Internetworking – Different types of internet connections. Wireless network – Meaning, Categories – Wireless Device Roles & its connections – Wireless devices in networks.

SELF STUDY :

Communication networks

TEXT BOOK:

1. Tanenbaum, Andrew S., Computer Networks. --3rd ed., New Delhi: Prentice Hall of India Pvt Ltd, 2000.

REFERENCE BOOKS :

1. Sarma, C R.,Computer Networks: A Pragmatic Approach., Bombay: Jaico Publishing House, 2005.
2. Rajesh, R S.,Computer Networks: Fundamentals and Applications / R S Rajesh, K S Easwarakumar and R Balasubramanian. , New Delhi: Vikas Publishing House Ltd, 2002.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://intronetworks.cs.luc.edu/current2/ComputerNetworks.pdf
2. http://www.svecw.edu.in/Docs%5CCSECNLNotes2013.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction: Computer Networks –	3	Chalk & Talk	Black Board
1.2	Applications of Networks,	2	Chalk & Talk	LCD
1.3	Line Configuration in Computer Networks,	2	Lecture	PPT & White board
1.4	Types of Network topology,	3	Lecture	Smart Board
1.5	OSI reference Model	2	Lecture	Black Board
UNIT -2	**TRANSMISSION MEDIA**			
2.1	Meaning – Factors to be considered while selecting a Transmission Medium	2	Lecture	Green Board Charts
2.2	Transmission modes – Types of Transmission Media	2	Chalk & Talk	Green Board
2.3	Guided Transmission media –	2		E- Content

	Coaxial – Fibre optics – Twisted		Flipped Learning	
2.4	Unguided Transmission Media – Radio transmission	2	Blended Learning	Online/ Field visit
2.5	Microwave transmission	2	Lecture	White board
2.6	Error Detection and correction	2	Lecture	Smart Board
UNIT -3	**DATA COMMUNICATION**			
3.1	Data Communications – Meaning, Types, Components.	3	Lecture	Green Board Charts
3.2	Transmission – Synchronous and Asynchronous Transmission	3	Chalk & Talk	Green Board
3.3	Transmission modes in computer networks – Simplex	3	Flipped Learning	E- Content
3.4	Half duplex and Full duplex modes.	3	Blended Learning	Online/ Field visit
UNIT -4	**COMMUNICATION NETWORKS**			
4.1	Types of Communication networks: Introduction to LAN – Characteristics	3	Blended Learning	Online/ Field visit
4.2	Applications, Advantages & Disadvantages, Common types.	2	Lecture	PPT & White board
4.3	MAN – Characteristics, Advantages & Disadvantages, working	2	Lecture	Smart Board

4.4	Types. WAN – Characteristics	2	Lecture	Black Board
4.5	Advantages & Disadvantages, and Types	3	Discussion	Google classroom
UNIT -5	**INTERNETWORK & WIRELESS NETWORK**			
5.1	Inter Network – Meaning	2	Lecture	Green Board Charts
5.2	Units of Internetworking. Internetwork addressing – Kinds – Challenges to Internetworking	3	Chalk & Talk	Green Board
5.3	Different types of internet connections. Wireless network – Meaning	2	Flipped Learning	E- Content
5.4	Categories – Wireless Device Roles & its connections	3	Blended Learning	Online/ Field visit
5.5	Wireless devices in networks	2	Lecture	PPT & White board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	10 Mks	**15 Mks**	**5+5=10 Mks.**	**10 Mks**	**45 Mks.**	**5 Mks.**	**50 Mks.**	
K1	-	-	-	-	-		-	-
K2	-	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**
K3	**5**	-	-	**5**	**10**		**10**	**20%**

K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Introduce the network types, applications and models	K2	PSO1
CO 2	Outline the path of transmission of various types of signals and error detections and correction	K2	PSO2
CO 3	Give importance about data communications and channels	K3	PSO3
CO 4	Analyze the various types of communication networks	K4	PSO4
CO 5	Provide knowledge about internetwork	K5	PSO5

	and wireless network		

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

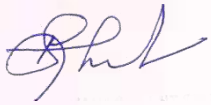
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr.N.Asha

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA404A	Security Analysis & Portfolio Management	Major Elective	5	5

COURSE DESCRIPTION

The course is intended to provide an in-depth theoretical knowledge on stock market. It augments the learning managers to build portfolio and analyse its performance.

COURSE OBJECTIVES

This course intends to inculcate skills to construct portfolio and evaluate from investors' view point.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Investment: Objectives – Nature and Scope of Investment Management – Investment forms and Process. Introduction to Securities – Market for Securities – New Issues Market and Secondary Market – Regulations – SEBI guidelines.

UNIT II : SECURITY VALUATION [12 HRS]

Risk and Return – Concept of risk – Systematic and Unsystematic Risk – Management of Risk – Security Valuation – Share Valuation – Concept of Present Value – Share Valuation Models – Regression Analysis – Preference Share Valuation - Bond Valuation models – Yield–To–Maturity.

UNIT III : INVESTMENT ANALYSIS [12 HRS]

Fundamental Analysis – Meaning – Economy – Industry – Company – Forms of Market Efficiency – Efficient Market Theory – Random Walk Hypothesis – Technical Analysis – Assumptions – Dow theory – Elliot wave theory – Mathematical indicators.

UNIT IV: PORTFOLIO ANALYSIS AND SELECTION [12 HRS]

Risk and investor preferences – Risk–return calculation of portfolios with more than two securities market with theory – Efficient frontier – Sharpe index – Capital asset pricing model (CAPM) – Significance of beta in the portfolio.

UNIT V: PORTFOLIO EVALUATION [12 HRS]

Managed portfolios – Performance need for evaluation measurements – Evaluation of portfolio performance – Evaluation techniques – Treynor's performance measure for portfolios

SELF STUDY:

Types of Fundamental analysis

TEXT BOOKS:

1. Fisher, Donald E. and Jordan, Security Analysis and Portfolio Management. -- 6th ed. New Delhi: Prentice Hall of India Pvt Ltd, 2000.
2. Bhalla, V K., Fundamentals of Investment Management, 3rd ed., Delhi: S. Chand & Company, 2013.

REFERENCE BOOKS :

1. Avadhani, V A, Investment and Securities Markets in India, 10th ed., Mumbai: Himalaya Publishing House, 2017.
2. Singh, Preeti, Investment Management: Security Analysis and Portfolio Management. Mumbai: Himalaya Publishing House, 2012.
3. Kevin S, Portfolio Management, 2nd ed., New Delhi: Prentice Hall of India Pvt Ltd, 2015.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.ddegjust.ac.in/studymaterial/mba/fm-304.pdf
2. http://www.stet.edu.in/SSR_Report/Study%20Material/PDF/MBA/6-3.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Investment: Objectives – Nature and Scope of Investment Management – Investment forms and Process	3	Lecture	White Board
1.2	Introduction to Securities – Market for Securities – New Issues Market and Secondary Market	5	Lecture	LCD
1.3	Regulations – SEBI guidelines	4	Blended learning	White board
UNIT -2	**SECURITY VALUATION**			
2.1	Risk and Return – Concept of risk – Systematic and Unsystematic Risk – Management of Risk	2	Lecture	LCD
2.2	Security Valuation – Share Valuation – Concept of Present Value – Share Valuation Models – Regression Analysis	5	Demonstration	Online Learning
2.3	Preference Share Valuation - Bond Valuation models – Yield–To–Maturity	5	Blended Learning	Google classroom

UNIT -3	**INVESTMENT ANALYSIS**			
3.1	Fundamental Analysis – Meaning – Economy – Industry – Company —	1	Lecture	LCD
3.2	Forms of Market Efficiency – Efficient Market Theory – Random Walk Hypothesis	5	Problem-based learning	Smart Board
3.3	Technical Analysis – Assumptions – Dow theory – Elliot wave theory – Mathematical indicators	6	Blended Learning	Online learning
UNIT -4	**PORTFOLIO ANALYSIS AND SELECTION**			
4.1	Risk and investor preferences – Risk–return calculation of portfolios with more than two securities market with theory	4	Lecture	White Board
4.2	Efficient frontier – Sharpe index	4	Case study analysis	Materials
4.3	Capital asset pricing model (CAPM) – Significance of beta in the portfolio	4	Demonstration	White Board
UNIT -5	**PORTFOLIO EVALUATION**			
5.1	Managed portfolios – Performance need for evaluation measurements	3	Lecture	LCD
5.2	Evaluation of portfolio performance	4	Blended learning	Google classroom
5.3	Evaluation techniques – Treynor's performance measure for portfolios	5	Demonstration	LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concept of Investment Management and Securities market	K2	PSO1
CO 2	Assess the risk and return of individual securities	K2	PSO2
CO 3	Apply Fundamentals and Technical analysis to Portfolio	K3	PSO3
CO 4	Assess the risk and return of Portfolio	K4	PSO4
CO 5	Use portfolio evaluation techniques	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA404B	Management Of Financial Services	Major Elective	5	5

COURSE DESCRIPTION

The course focuses on providing knowledge on financial services industry. The course is designed to analyse the practices of different financial services in the market.

COURSE OBJECTIVES

This course is aimed at enhancing knowledge on financial services from corporate perspective.

UNITS

UNIT I: INTRODUCTION [12 HRS]

An Overview Of Financial Services Industry – Trends In Financial Services – Nature And Scope Of Financial Services. Innovative Financial Instruments – Challenges Facing The Financial Services Sector – Present Scenario. NBFCs – Prudential Norms.

UNIT II: LEASING & HIRE PURCHASE [12 HRS]

Meaning – Tax Aspects Evaluation – Accounting – Qualitative Factors – Structuring – Funding.

UNIT III: VENTURE CAPITAL [12 HRS]

Concepts And Characteristics – Origin And Growth – Financial Agencies Involved – Finance Of Venture Capital Firms – Venture Capital Schemes – Trends In Venture Capital Financing Guidelines – Credit Rating – Concepts – Objectives – Types – Credit Rating Agencies – Methodology For Credit Rating – Stock Broking – Framework Of Operations – Trading & Settlement Procedures.

UNIT IV : MUTUAL FUNDS [12 HRS]

Meaning – Types / Classification Of Funds – Importance Of Mutual Funds – Organisation And Operation Of The Fund – Investors Rights – General Guidelines – Selection Of A Fund – Reasons For The Slow Growth – UTI a case – Future of mutual funds.

UNIT V: OTHER FINANCIAL SERVICES [12 HRS]

Concept and Forms of Factoring – Factoring Vs Bills Discounting - Functions of a Factor – Evaluation of Factoring – Depository System – Securitisation of Debt – Merchant Banking – Consumer Finance and Inter-Corporate Loan / Deposits – International Financial centres - Insurance services – Cash Management Services – Credit cards.

SELF-STUDY

Credit cards

TEXT BOOK:

1. Khan, M Y., Financial Services. --9th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2017.

REFERENCE BOOKS :

1. Gordon, E and Natarajan, K., Financial Markets and Services, --11th Revised ed., Mumbai: Himalaya Publishing House, 2016.
2. Desai, Vasant., Indian Financial System: Financial System, Markets, Institutions, Instruments, Services. – 5th ed., New Delhi: Galgotia Publications Ltd, 2017.

3. Bhalla, V K, Management of Financial Services, 3rd Revised & enlarged ed., New Delhi: Anmol Publications Pvt Ltd, 2008.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.freebookcentre.net/business-books-download/Management-of-Financial-Services.html
2. https://www.wittenborg.eu/sites/default/files/wittenborg/pdf/downloads/200_Individual%20Programme%20Curriculum%20Information%20Factsheets/205_Wittenborg_University_Bachelor_IBA_Financial_Services_Management.pdf.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	An Overview Of Financial Services Industry – Trends In Financial Services – Nature And Scope Of Financial Services	3	Lecture	LCD
1.2	Innovative Financial Instruments	3	Group Discussion	-
1.3	Challenges Facing The Financial Services Sector – Present Scenario	4	Blended learning	Google classroom
1.4	NBFCs – Prudential Norms	2	Demonstration	LCD
UNIT -2	**LEASING & HIRE-PURCHASE**			
2.1	Meaning – Tax Aspects - Evaluation – Accounting	4	Lecture	LCD
2.2	Qualitative Factors	4	Lecture	LCD
2.3	Structuring – Funding	4	Blended	Online

			Learning	learning
UNIT -3 VENTURE CAPITAL				
3.1	Concepts And Characteristics – Origin And Growth – Financial Agencies Involved – Finance Of Venture Capital Firms	3	Lecture	LCD
3.2	Venture Capital Schemes – Trends In Venture Capital Financing Guidelines	3	Lecture	LCD
3.3	Credit Rating – Concepts – Objectives – Types – Credit Rating Agencies – Methodology For Credit Rating	3	Blended learning	Online learning
3.4	Stock Broking – Framework Of Operations – Trading & Settlement Procedures	3	Demonstration	LCD
UNIT -4 MUTUAL FUNDS				
4.1	Meaning – Types / Classification Of Funds – Importance Of Mutual Funds	3	Lecture	White Board
4.2	Organisation And Operation Of The Fund – Investors Rights – General Guidelines	4	Demonstration	Online learning
4.3	Selection Of A Fund – Reasons For The Slow Growth	3	Case study learning	Materials
4.4	UTI a case – Future of mutual funds	2	Group Discussion	Materials
UNIT -5 OTHER FINANCIAL SERVICES				
5.1	Concept and Forms of Factoring – Factoring Vs Bills Discounting - Functions of a Factor – Evaluation of Factoring	3	Lecture	LCD

5.2	Depository System – Securitisation of Debt – Merchant Banking	3	Blended Learning	Online learning
5.3	Consumer Finance and Inter-Corporate Loan / Deposits – International Financial centres	2	Demonstration	LCD
5.4	Insurance services – Cash Management Services	3	Lecture	LCD
5.5	Credit cards	1	Peer-assisted learning	Materials

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45

Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explain the industry framework of financial services and create innovative financial instruments	K2	PSO1
CO 2	Evaluate leasing & hire purchase quantitatively and qualitatively	K2	PSO2
CO 3	Outline the venture capital firms, credit rating agencies & methodology, and stock broking procedures	K3	PSO3
CO 4	Evaluate mutual fund industry	K4	PSO4
CO 5	Analyse factoring services, depository system and International Financial Centres	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA404C	Mergers & Acquisitions	Major Elective	5	5

COURSE DESCRIPTION

This course hones up the dexterity of the managers on the strategic approach to mergers and acquisitions. It also widens the analytical skills of learners on valuation of mergers.

COURSE OBJECTIVES

This course aims to improve the mastery of mechanism, valuation and challenges in M&A.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Mergers- in the nature of acquisitions and amalgamations. types of merger – motives behind mergers – theories of mergers – operating, financial and managerial synergy of mergers – value creation in horizontal, vertical and conglomerate mergers – internal and external change forces contributing to M & A activities M & A – A strategic perspective-industry life cycle and product life cycle analysis in M&A decision, strategic approaches to M&A- SWOT analysis, BCG matrix, Porter's Five forces model.

UNIT II : CORPORATE RESTRUCTURING [12 HRS]

Different methods of restructuring – Merger Process – Dynamics of M&A process – Identification of targets negotiation – Closing the deal – Five-stage model – Due diligence – Process of merger integration – Organizational and human aspects – Managerial challenges of M & A

UNIT III : VALUATION & FINANCING [12 HRS]

Valuation approaches – Discounted cash flow valuation – Relative valuation – Valuing operating and financial synergy – Valuing corporate control – Valuing of LBO Methods of financing mergers – Cash offer – Share exchange ratio – Mergers as a capital budgeting decision.

UNIT IV : TAKEOVERS [12 HRS]

Types – Hostile takeover approaches – Take-over defences – Financial defensive measures – Coercive offers and defence – Anti-takeover Amendments – Poison pill defence.

UNIT V: AMALGAMATION [12 HRS]

Accounting for amalgamation – Pooling of interest method – Purchase method – Procedure laid down under Indian companies act of 1956 – Legal and regulatory framework of M & A – Provisions of Company's Act 1956 – Indian Income Tax Act 1961 – SEBI takeover code – Provisions of Competition Act.

SELF STUDY:

Types of Take-overs

TEXT BOOKS:

1. Rabi Narayan Kar and Minakshi, Mergers, Acquisitions & Corporate restructuring Strategies and Practices, -- 3rd ed., Mumbai: International Book House, 2017.
2. Fred Weston, Kwang S Chung, Susan E Hoag, Mergers, Restructuring And Corporate Control, – 1st ed., London, England: Pearson Education, 2015

REFERENCE BOOKS

1. Vadapalli, Ravindhar, Mergers acquisitions and Business valuation, New Delhi: Excel books, 2007.

2. Damodaran, Ashwath, Corporate Finance – Theory And Practice, – 2nd ed., John Wiley & Sons, 2003.
3. Shukla, M. C, Grewal, T. S, & Gupta, S. C, Advanced Accounts Vol II, –19th ed., S.Chand & Sons, 2007.
4. Kapoor, G. K and Dhamija, Sanjay, Company Law & Practice, – 23rd ed., Taxmann, 2018.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.simonfoucher.com/MBA/FINA%20695E%20-%20Mergers%20Acquisitions/Mergers,%20Acquisitions,%20and%20Corporate%20Restructurings%20%206th.pdf
2. http://www.himpub.com/documents/Chapter740.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION				
1.1	Mergers- in the nature of acquisitions and amalgamations. types of merger – motives behind mergers – theories of mergers – operating, financial and managerial synergy of mergers	4	Chalk & Talk	Black Board
1.2	Value creation in horizontal, vertical and conglomerate mergers – internal and external change forces contributing to M & A activities	4	Chalk & Talk	LCD
1.3	M & A - A strategic perspective- industry life cycle and product life cycle analysis in M&A decision, strategic approaches to M&A- SWOT analysis, BCG matrix,	4	Lecture	PPT & White board

	Porter's Five forces model			
UNIT -2 CORPORATE RESTRUCTURING				
2.1	Different methods of restructuring – Merger Process – Dynamics of M&A process – Identification of targets negotiation – Closing the deal	5	Lecture	White Board
2.2	Five-stage model – Due diligence – Process of merger integration	3	Blended learning	Online learning
2.3	Organizational and human aspects – Managerial challenges of M & A	4	Group Discussion	Materials
UNIT -3 VALUATION & FINANCING				
3.1	Valuation approaches – Discounted cash flow valuation – Relative valuation —	4	Lecture	LCD
3.2	Valuing operating and financial synergy – Valuing corporate control	4	Blended learning	Google classroom
3.3	Valuing of LBO Methods of financing mergers – Cash offer – Share exchange ratio – Mergers as a capital budgeting decision	4	Demonstration	Online learning
UNIT -4 TAKEOVERS				
4.1	Types	2	Peer-assisted learning	Materials
4.2	Hostile takeover approaches – Take-over defences	5	Lecture	LCD
4.3	Financial defensive measures – Coercive offers and defence – Anti-takeover Amendments – Poison pill defence	5	Blended learning	Google classroom
UNIT -5 AMALGAMATION				

5.1	Accounting for amalgamation – Pooling of interest method – Purchase method	4	Lecture	White Board
5.2	Procedure laid down under Indian companies act of 1956 – Legal and regulatory framework of M & A	4	Blended learning	Online learning
5.3	Provisions of Company's Act 1956 – Indian Income Tax Act 1961 – SEBI takeover code – Provisions of Competition Act	4	Group Discussion	Materials

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Plan for mergers and discuss the strategic approach to M&A	K2	PSO1
CO 2	Formulate corporate restructuring deal	K2	PSO2
CO 3	Evaluate valuation approaches and methods of financing mergers	K3	PSO3
CO 4	Analyze take over approaches and amendments	K4	PSO4
CO 5	Apply accounting methods and analyse Legal and Regulatory Provisions	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2023 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	23MBA404D	Behavioural Finance	Major Elective	5	5

COURSE DESCRIPTION

This course is designed to introduce the concepts of behavioral finance and its application in financial market and investor behaviour. It gives an insight to know the investor sentiment measurement, and put into practical asset management decision. The course introduces several concepts and tools which may be helpful to understand several behavioural biases of individual investors.

COURSE OBJECTIVES

To understand financial decision making behaviour from a psychology perspective, and development of better portfolio allocation strategy following behavioural finance principles

UNITS

UNIT I: FUNDAMENTAL CONCEPTS [12 HRS]

Introduction to Behavioural finance – Nature, scope, objectives and application, Behavioural Finance vs Traditional Finance. Investment Decision Cycle - Cognitive information perception – Anchoring - Exponential discounting - Hyperbolic discounting.

UNIT II: UTILITY AND RATIONALITY [12 HRS]

Utility/ Preference Functions - Expected Utility Theory [EUT] and Rational Thought: – Theories Behavioural Finance and Investment Decision making based on Expected Utility Concept - Investor rationality and market efficiency.

UNIT III: FACTORS AND MARKET EFFICIENCY [12 HRS]

Behavioral Factors and Financial Markets: The Efficient Markets Hypothesis – Fundamental Information and Financial Markets - Information available for Market Participants and Market Efficiency - Market Predictability –The Concept of limits of Arbitrage Model.

UNIT 1V: CORPORATE FINANCE AND STRUCTURE [12 HRS]

Behavioral Corporate Finance: Behavioral factors and Corporate Decisions on Capital Structure and Dividend Policy - Capital Structure dependence on Market Timing - Systematic approach tousing behavioral factors in corporate decision making - External Factors and Investor Behavior - Connection to human psychophysiology and emotional regulation Active portfolio management – the source of the systematic underperformance

UNIT V: EMOTIONAL MECHANISMS [12 HRS]

Emotions and Decision – Making: Experimental measurement of risk-related - Measuring Risk - Emotional mechanisms in modulating risk-taking attitude - Neurophysiology of risk taking. Personality traits and risk attitudes in different domains.

SELF STUDY

Behavioral factors and Corporate Decisions on Capital Structure and Dividend Policy

TEXT BOOK

Lucy Ackert and Richard Deaves, Behavioral Finance: Psychology, Decision-Making, and Markets", Cengage Learning publisher First edition 2010.

REFERENCE BOOKS

1. Meir Statman , What Investors Really Want - Learn the lessons of behavioral Finance, McGraw-Hill publication, first edition, 2010.
2. Brian R. Bruce, Handbook of Behavioral Finance, Edward Elgar Publishing, New edition, 2012
3. Parag Parikh, Value Investing and Behavioral Finance: Insights Into Indian Stock Market Realities, Tata Mc grraw gill publishers, first edition, 2017
4. Prakash Praharaj and Nirakar Pradhan, Your Everyday Guide To Behavioural Finance, Hay House Publisher, First edition, 2012

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.cfainstitute.org/-/media/documents/book/rf-publication/2019/behavioral-finance-the-second-generation.pdf
2. https://www.pdfdrive.com/behavioral-finance-and-investor-types-managing-behavior-to-make-better-investment-decisions-d175012874.html
3. https://www.pdfdrive.com/behavioral-finance-psychology-decision-making-and-markets-d44487962.html

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**FUNDAMENTAL CONCEPTS**			

1.1	Introduction to Behavioural finance	3	Chalk & Talk	Black Board
1.2	Nature, scope, objectives and application,	2	Chalk & Talk	LCD
1.3	Behavioural Finance vs Traditional Finance.	2	Lecture	PPT & White board
1.4	Investment Decision Cycle - Cognitive information perception	2	Lecture	Smart Board
1.5	Anchoring - Exponential discounting	2	Flipped Learning	Online/ E-Content/ Text Books /Materials
1.6	Hyperbolic discounting	1	Discussion	Google classroom
UNIT -2	**UTILITY AND RATIONALITY**			
2.1	Utility/ Preference Functions - Expected Utility Theory [EUT] and Rational Thought	2	Lecture	Green Board Charts
2.2	Theories Behavioural Finance and Investment Decision making based on Expected Utility Concept	2	Chalk & Talk	Green Board
2.3	Investment Decision making based on Expected Utility Concept	3	PPT	LCD
2.4	Investment Decision making based on Expected Utility Concept	2	PPT	LCD
2.5	Investor rationality and market efficiency	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**FACTORS AND MARKET EFFICIENCY**			

3.1	Behavioral Factors and Financial Markets:	4	Lecture	PPT & White board
3.2	The Efficient Markets Hypothesis	4	Lecture	PPT & White board
3.3	Fundamental Information and Financial Markets	2	Chalk & Talk	Black Board
3.4	Information available for Market Participants and Market Efficiency - Market Predictability –The Concept of limits of Arbitrage Model	2	Lecture	PPT & White board
UNIT -4	**CORPORATE FINANCE AND STRUCTURE**			
4.1	Behavioral Corporate Finance:	2	Discussion	Black Board
4.2	Behavioral factors and Corporate Decisions on Capital Structure and Dividend Policy	2	Chalk & Talk	Black Board
4.3	Capital Structure dependence on Market Timing	2	Lecture	PPT & White board
4.4	Systematic approach to using behavioral factors in corporate decision making	3	Lecture	PPT & White board
4.5	External Factors and Investor Behavior	2	Flipped Learning	Online/ E-Content/ Text Books /Materials
4.6	Connection to human psychophysiology and emotional regulation Active portfolio management – the source of the systematic underperformance	1	Discussion	Black Board

UNIT -5	EMOTIONAL MECHANISMS			
5.1	Emotions and Decision – Making	1	Discussion	Black Board
5.2	Experimental measurement of risk-related	3	Chalk & Talk	Black Board
5.3	Measuring Risk	2	Lecture	PPT & White board
5.4	Emotional mechanisms in modulating risk-taking attitude	3	Lecture	PPT & White board
5.5	Neurophysiology of risk taking. Personality traits and risk attitudes in different domains.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %

Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of Behavioural Finance and explore the concept of exponential discounting	K2	PSO1
CO 2	Explain the utility functions and investment decision cycle and also the rationality of investment	K3	PSO2
CO 3	Identify the impact of market efficiency hypotheses and financial market performance	K4	PSO3
CO 4	Analyze the factors and their Connection to human psychophysiology and emotional regulation Active portfolio management	K4	PSO4
CO 5	Assess Emotional mechanisms in modulating risk-taking attitude	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name:Dr. N.Asha

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA405A	Industrial Psychology And Counselling	Major Elective	5	5

COURSE DESCRIPTION

This course focuses on inculcating knowledge about work psychology and the various approaches of work psychology like psychoanalytic, trait, behavioural, phenomenological, social and cognitive. It helps the student to develop the counselling skills.

COURSE OBJECTIVES

This Course intends at inculcating / imparting knowledge about application of psychology in industry.

UNITS

UNIT I : INDUSTRIAL PSYCHOLOGY [12 HRS]

Meaning and scope of Industrial Psychology – Fatigue, Monotony, Boredom effects and remedial measures – Human Engineering in Industry.

UNIT II : WORK PSYCHOLOGY [12 HRS]

The psychoanalytic, trait, behaviourist, phenomenological social and cognitive approaches- Career choice and development for executives – Women at work and ethnic groups at work

UNIT III :EMPLOYEE COUNSELING [12 HRS]

Definition, goals – Types of employee counselling – directive and non-directive, eclectic counselling, individual and group counselling – Counselling process – counselling interview.

UNIT IV: AREAS IN COUNSELING [12 HRS]

Counselling families, counselling with parents, pre-marital counselling ,marriage counselling, counselling women, counselling Drug addicts. Counselling and relaxation techniques

UNIT V: EMPLOYEE COUNSELOR [12 HRS]

Qualities of a counsellor – role & functions of employee counsellor – Role of a manager as a counsellor, mentor and coach

SELF STUDY:

Human Engineering in different Industries

TEXT BOOK:

1. Ghosh, P k.,Industrial Psychology. --4th ed., Mumbai: Himalaya Publishing House, 2000.
2. Jayaprakash Reddy, R.,Industrial Psychology. ,New Delhi: A.P.H.Publishing Corporation, 2004.

REFERENCE BOOK

1. Ghosh, P k.,Industrial Psychology. --4th ed.,Bombay: Himalaya Publishing House, 1993.

2. Welfel, Elizabeth Reynolds.,The Counselling Process:A Multi Theoritical Integrative Approach / Elizabeth Reynolds Welfel and Lewis E Patterson. --6th ed. ,Australia: Thomson, 2005.
3. Rao, Narayana., Counselling and Guidance. --2nd ed.,New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 1991.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.maorhan.com/wpcontent/uploads/2014/11/Handbook_of_Industrial_Work_and_Organizational_Psychology_Vol_2_2005.pdf
2. http://egyankosh.ac.in/bitstream/123456789/23907/1/Unit-1.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INDUSTRIAL PSYCHOLOGY**			
1.1	Meaning and scope of Industrial Psychology	3	Chalk & Talk	Black Board
1.2	Fatigue & Monotony	3	Chalk & Talk	LCD
1.3	Boredom effects and remedial measures	3	Lecture	PPT & White board
1.4	Human Engineering in Industry	3	Lecture	Smart Board
UNIT -2	**WORK PSYCHOLOGY**			

2.1	The psychoanalytic approaches	1	Lecture	Green Board Charts
2.2	Trait & behaviourist approaches	2	Chalk & Talk	Green Board
2.3	Phenomenological & social approaches	3	PPT	LCD
2.4	Cognitive approaches	2	PPT	LCD
2.5	Career choice and development for executives	2	Chalk & Talk	Black Board
2.6	Women at work and ethnic groups at work	2	Flipped Learning	Online/ E-Content/ Text Books
UNIT -3 EMPLOYEE COUNSELLING				
3.1	Definition & goals	2	Lecture	PPT & White board
3.2	Types of employee counselling - directive and non directive	2	Lecture	PPT & White board
3.3	Eclectic counselling	2	Chalk & Talk	Black Board
3.4	Individual and group counselling	2	Chalk & Talk	Black Board
3.5	Counselling process	2	Chalk & Talk	Black Board
3.6	Counselling interview	2	Lecture	PPT & White board

UNIT -4 AREAS IN COUNSELLING				
4.1	Counselling families	1	Discussion	Black Board
4.2	Counselling with parents	2	Chalk & Talk	Black Board
4.3	Pre-marital counselling & marriage counselling	3	Lecture	PPT & White board
4.4	Counselling women & counselling Drug addicts	3	Lecture	PPT & White board
4.5	Counselling and relaxation techniques	3	Chalk & Talk	Black Board
UNIT -5 EMPLOYEE COUNSELLOR				
5.1	Qualities of a counsellor	3	Discussion	Black Board
5.2	Role & functions of employee counsellor	3	Chalk & Talk	Black Board
5.3	Role of a manager as a counsellor	3	Lecture	PPT & White board
5.4	Mentor and coach	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks	CIA Total	% of Assessment

						C5		
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC	NON - SCHOLASTIC	MARKS

C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of industrial psychology	K2	PSO1
CO 2	Analyze work psychology and career choice and development for executives	K2	PSO2
CO 3	Discuss the types of employee counselling and its process	K3	PSO3
CO 4	Evaluate the special areas in counselling	K4	PSO4
CO 5	Explain the role & functions of employee counsellor	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA405B	Human Resource Accounting & Audit	Major Elective	5	5

COURSE DESCRIPTION

This course aims at providing an overview about the concepts of HRA. This course explores the various methods and instruments of HR Audit.

COURSE OBJECTIVES

This course aims at inculcating knowledge about Human Resource Accounting and Human resource development Audit.

UNITS

UNIT I: HUMAN RESOURCE ACCOUNTING [12 HRS]

Concept and postulates, Basic Accounting knowledge – Accounting as an Information System for managerial control

UNIT II: BASIC CONCEPTS OF HRA [12 HRS]

The basic conceptual approaches to Human Resource Accounting – Methods and Techniques

Implementation in the Indian context – practical difficulties involved.

UNIT III: HUMAN RESOURCE AUDIT [12 HRS]

Introduction – Basic concepts – components – Element of good HRD.

UNIT IV: HRD COMPONENTS [12 HRS]

HRD strategies and its styles – styles and its styles - culture –OCTAPACE of Culture-structures- structural alternatives- systems- subsystems. Auditing the strategies, styles, culture, structures and systems.

UNIT V: HRD METHODOLOGY [12 HRS]

HRD audit methodology and Instruments - questionnaire – Writing the HRD audit report for Business Improvement – The Indian Experience. HRD Scorecard

SELF STUDY:

HR Scorecard and its usage in companies

TEXT BOOK:

1. Gupta, Raj Kumar.,Human Resource Accounting: Managerial Implications.,Delhi: Anmol Publications Pvt. Limited, 2003
2. Rao, T V.,HRD Audit: Evaluating the Human Resource Function for Business Improvement., New Delhi: Sage Publications, 2009.

REFERENCE BOOKS:

1. Human Resource Accounting and Auditing , Nisamudheen T, Mufliha S, Laxmi Book Publication, 2016
2. Human Resource Accounting, Malayendu saha , Discovery publishing pvt ltd

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.yumpu.com/en/document/view/8831877/dba-1746-human-resources-accounting-and-auditpdf-centre-for-
2. https://www.ihmnotes.in/assets/Docs/Ignou/TS-07/unit-4,HUMAN%20RESOURCE%20AUDIT.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**HUMAN RESOURCE ACCOUNTING**			
1.1	Concept and postulates	4	Chalk & Talk	Black Board
1.2	Basic Accounting knowledge	4	Chalk & Talk	LCD
1.3	Accounting as an Information System for managerial control	4	Lecture	PPT & White board
UNIT -2	**BASIC CONCEPTS OF HRA**			
2.1	The basic conceptual approaches to Human Resource Accounting	3	Lecture	Green Board Charts
2.2	Methods and Techniques	3	Chalk & Talk	Green Board
2.3	Implementation in the Indian context	3	PPT	LCD

2.4	Practical difficulties involved	3	PPT	LCD
UNIT -3	**HUMAN RESOURCE AUDIT**			
3.1	Introduction to HRA	3	Lecture	PPT & White board
3.2	Basic concepts of HRA	3	Lecture	PPT & White board
3.3	Components of HRD	3	Chalk & Talk	Black Board
3.4	Element of good HRD.	3	Chalk & Talk	Black Board
UNIT -4	**HRD COMPONENTS**			
4.1	HRD strategies and its styles	1	Discussion	Black Board
4.2	Styles and its types	2	Chalk & Talk	Black Board
4.3	Culture –OCTAPACE of Culture	2	Lecture	PPT & White board
4.4	Structures & structural alternatives	2	Lecture	PPT & White board
4.5	Systems & subsystems	2	Chalk & Talk	Black Board
4.6	Auditing the strategies , styles, culture, structures and systems.	3	Discussion	Black Board
UNIT -5	**HRD METHODOLOGY**			
5.1	HRD audit methodology and Instruments	2	Discussion	Black Board
5.2	Questionnaire	2	Chalk & Talk	Black Board
5.3	Writing the HRD audit report for Business Improvement	2	Lecture	PPT & White board

5.4	The Indian Experience	3	Lecture	PPT & White board
5.5	HRD Scorecard	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA

Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of HRA	K2	PSO1
CO 2	Analyse the various methods of HRA	K2, K3	PSO2
CO 3	Discuss concepts & Components of HR Audit	K3	PSO3
CO 4	Explain HRD strategies, style, structure & systems	K4	PSO4

CO 5	Evaluate HRD Audit methodology	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

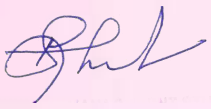
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA405C	Management Consultancy	Major Elective	5	5

COURSE DESCRIPTION

This course focuses on providing an outline about concepts of consulting and its models. It also helps to explore the tools and methodology of consulting.

COURSE OBJECTIVES

This course seeks to enhance knowledge about general perspective of management consultancy.

UNITS

UNIT I : CONCEPTS OF CONSULTING [12 HRS]

Consulting Industry – Types of Firms – Structure of a changing Industry, Consultants: Types, skills and values – consulting teams. Consulting as a profession: Professional Consulting – Consulting models

UNIT II : MARKETING OF CONSULTING SERVICES [12 HRS]

Marketing of Consulting Services: Understanding buyer values and needs – Marketing client expectation and strategy of the firm – advertising and relationship management – preparation of proposal.

UNIT III : CONSULTING TOOLS AND METHODOLOGY [12 HRS]

Consulting tools and methodology: Getting to know the client – difference method of gathering data – Interviewing issue – internal consulting. Analyzing and framing problems: Finding the problem / issue patterns – incorporating clients strength – reviewing with client – continue the engagement forward.

UNIT IV : MANAGING FIRMS [12 HRS]

Strategy of the consulting firms – goals and People's Success factors – Leadership skills needed to maintain a best performance. Developing winning culture – Aligning success factors - Managing Conflict between Client and consultants – managing ethical and consulting practice challenges Knowledge creation to establish competitive advantage - Sharing the knowledge with in the firm – Problems in sharing knowledge.

UNIT V:CONSULTANCY ASSIGNMENT & CLIENT PRESENTATION

[12 HRS]

Consultant Assignment : Preparation of Presentation - Finalize work with clients the engagement – Practice before client presentation – complete the written papers and presentation. Client presentation : Client feedback and presentation. Creating and managing future consulting opportunities.

SELF STUDY :

Relationship Management

TEXT BOOK:

1. Handbook of Management Consulting the Contemporary Consultant: Insights from World Experts / edited by Larry Greiner and Flemming Poulfelt.,New Delhi: Cengage Learning India Pvt. Ltd., 2008.

REFERENCE BOOK:

1. Block, Peter.,Flawless Consulting: A Guide to Getting Your Expertise Used. --3rd ed., San Francisco: Pfeiffer, 2011.
2. Management consulting, in India , editied by U.K.Srivastava and Pramila Srivastava , Sage Publisher , 2011

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.ucd.ie/t4cms/UCDCareers-ManagementConsultancy.pdf
2. https://imc-armenia.org/wp-content/uploads/2016/01/Management-Consulting.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**CONCEPTS OF CONSULTING**			
1.1	Consulting Industry	3	Chalk & Talk	Black Board
1.2	Types of Firms	2	Chalk & Talk	LCD
1.3	Structure of a changing Industry	2	Lecture	PPT & White board
1.4	Consultants and its types, skills and values of consulting teams.	2	Lecture	Smart Board
1.5	Professional Consulting	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -2	**MARKETING OF CONSULTING SERVICES**			
2.1	Understanding buyer values and needs	3	Lecture	Green Board Charts
2.2	Marketing client expectation and strategy of the firm	3	Chalk & Talk	Green Board
2.3	Advertising and relationship management	3	PPT	LCD
2.4	Preparation of proposal.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials
UNIT -3	**CONSULTING TOOLS AND METHODOLOGY**			
3.1	Getting to know the client	2	Lecture	PPT & White board
3.2	Method of gathering data	2	Lecture	PPT &

				White board
3.3	Interviewing issue & internal consulting	2	Chalk & Talk	Black Board
3.4	Analyzing and framing problems: Finding the problem / issue patterns	2	Chalk & Talk	Black Board
3.5	Incorporating clients strength	2	Chalk & Talk	Black Board
3.6	Reviewing with client &continue the engagement forward	2	Lecture	PPT & White board
UNIT -4	**MANAGING FIRMS**			
4.1	Strategy of the consulting firms	1	Discussion	Black Board
4.2	People's Success factors	1	Chalk & Talk	Black Board
4.3	Leadership skills needed to maintain a best performance.	2	Lecture	PPT & White board
4.4	Developing winning culture & Aligning success factors.	2	Lecture	PPT & White board
4.5	Managing Conflict between Client and consultants – managing ethical and consulting practice challenges.	3	Chalk & Talk	Black Board
4.6	Knowledge creation to establish competitive advantage. Sharing the knowledge with in the firm. Problems in sharing knowledge.	3	Discussion	Black Board
UNIT -5	**CONSULTANCY ASSIGNMENT & CLIENT PRESENTATION**			
5.1	Preparation of Presentation & Finalize work with clients the engagement	2	Discussion	Black Board
5.2	Practice before client presentation	2	Chalk & Talk	Black Board
5.3	Complete the written papers and	2	Lecture	PPT &

	presentation			White board
5.4	Client presentation - Client feedback and presentation.	3	Lecture	PPT & White board
5.5	Creating and managing future consulting opportunities.	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of consulting & its models	K2	PSO1
CO 2	Understand the steps in marketing of consulting service	K2, K3	PSO2
CO 3	Analyse the tools & methodology of consulting	K3	PSO3
CO 4	Assess the strategy of the consulting firms in managing conflicts	K4	PSO4
CO 5	Identifying the consultancy assignment & client presentation in managing future consulting opportunities.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

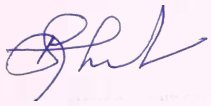
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA405D	Disaster Management	Major Elective	5	5

COURSE DESCRIPTION

This course helps the students to explore and inculcating skills to manage disaster and crisis.

COURSE OBJECTIVES

To course aims at inculcating skills for students to manage disaster & crisis.

UNITS

UNIT- I OVERVIEW OF NATURAL DISASTER MANAGEMENT [12 HRS]

Natural Disaster Management - Drought-Earth quake-flood-Land slide-Tsunami-Global Climate change - Impact on business environment-case studies.

UNIT- II SKILL DEVELOPMENT FOR DISASTER MANAGEMENT [12 HRS]

Skill Development for Disaster management - Team building- types of team building – team behaviour-problem solving-conflict management-characteristics, positive thinking

UNIT-III STEPS IN PROJECT RESCUE [12 HRS]

Project Rescue - Decision making-cross functional; interdependence – constraint management.

UNIT-IV LEADER'S ROLE IN EMOTIONAL INTELLIGENCE [12 HRS]

Leader's Role - Emotional-practical-logical-rational-emotional intelligence-testing EQ.

UNIT-V ETHICS AND SOCIAL RESPOSIBILITY [12 HRS]

Ethics and social responsibility - Tough job-activity-high performing time-corporate social responsibility-role of government, NGO, corporates-case studies

SELF STUDY:

Ethics and social responsibility

TEXT BOOKS:

1. Sundar, I.,Disaster Management / I Sundar and T Sezhiyan. ,New Delhi: Sarup &sons, 2007.
2. Singh, B K.,Disaster Management. ,Delhi: Adhyayan Publishers & Distributors, 2008

REFERENCE BOOKS :

1. Pawar, M C.,Disaster Management., Cyber Tech Publications, 2008.
2. Thakral, K K., Disaster Management: Relevent Issues and Challenges. ,New Delhi: Cyber Tech Publications, 2007.
3. Murthy, D B N., Disaster Management: Text and Case Studies. ,New Delhi: Deep & Deep Publications, 2007.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://elaw.org/system/files/Chapter%208%20Disaster%20Management.pdf
2. https://online.hbs.edu/blog/post/climate-change-affecting-businesses

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**OVERVIEW OF NATURAL DISASTER MANAGEMENT**			
1.1	Natural Disaster Management	3	Chalk & Talk	Black Board
1.2	Drought	2	Chalk & Talk	LCD
1.3	Earth quake	2	Lecture	PPT & White board
1.4	Flood	2	Lecture	Smart Board
1.5	Land slide	1	Lecture	Black

				Board
1.6	Tsunami, Global Climate change - Impact on business environment - case studies	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**SKILL DEVELOPMENT OF DISASTER MANAGEMENT**			
2.1	Skill Development for Disaster management	2	Lecture	Green Board Charts
2.2	Team building & its types of team building	3	Chalk & Talk	Green Board
2.3	Team behaviour & problem solving	3	PPT	LCD
2.4	Conflict management & its characteristics	2	PPT	LCD
2.5	Positive thinking	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -3	**STEPS IN PROJECT RESCUE**			
3.1	Project Rescue	3	Lecture	PPT & White board
3.2	Decision making-cross functional	3	Lecture	PPT & White board
3.3	Interdependence	3	Chalk & Talk	Black Board
3.4	Constraint management	3	Chalk & Talk	Black Board
UNIT -4	**LEADER'S ROLE IN EMOTIONAL INTELLIGENCE**			
4.1	Leader's Role	2	Discussion	Black Board
4.2	Emotional testing	3	Chalk & Talk	Black Board

4.3	Practical ,logical &rational testing	3	Lecture	PPT & White board
4.4	Emotional intelligence-testing	2	Lecture	PPT & White board
4.5	EQ	2	Flipped Learning	Online/ E-Content/ Text Books
UNIT -5 ETHICS AND SOCIAL RESPONSIBILITY				
5.1	Ethics and social responsibility	2	Discussion	Black Board
5.2	Tough job-activity & high performing time	3	Chalk & Talk	Black Board
5.3	Corporate social responsibility	2	Lecture	PPT & White board
5.4	Role of government, NGO, corporates	3	Lecture	PPT & White board
5.5	Case studies.	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholas	Non Scholas	CIA Total	% of

					tic Marks	tic Marks C5		Assess ment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline an overview of Natural Disaster Management	K2	PSO1

CO 2	Assess the skill development for disaster Management	K2, K3	PSO2
CO 3	Discuss the steps in project rescue	K3	PSO3
CO 4	Analyze the Leader's Role in emotional intelligence	K4	PSO4
CO 5	Examine the ethics and social responsibility	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2** ♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

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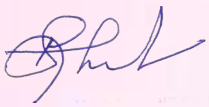


(Dr.P.Shyamala)

HOD'S Signature & Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA405E	Human Resource Information System	Major Elective	5	5

COURSE DESCRIPTION

This course focuses at enhancing the knowledge on integration of HR and information technology. It helps the students to integrate information system with functional areas of HR.

COURSE OBJECTIVES

This course aims at imparting students knowledge on the integration of HR principles and information technology.

UNITS

UNIT I : INTERFACE BETWEEN HR & IT [12 HRS]

Introduction-Interface between HR & IT- Data, Information, and Database-HRIS Model-Benefits-HRIS needs-Planning and Analysis-Components using System Development Life cycle.

UNIT II : LOGICAL PROCESS MODELLING [12 HRS]

Logical design-Logical process Modeling-Data flow diagram-Physical design-System feasibility- HRIS Cost Benefit Analysis-Estimating Sources and time- Methods.

UNIT III : ISSUES OF HRIS [12 HRS]

HRIS implementation issues- Models of Change Process-System failure-Organisation and Individual issues

UNIT IV : FUNCTIONAL AREAS OF HR. [12 HRS]

HRIS and Functional Areas of HR-Job analysis and HR Planning-Recruitment and Selection technology-Training and development-Strategic Implementation.

UNIT V: PERFORMANCE MANAGEMENT [12 HRS]

Performance Management-Compensation-HR progress in Global organization-Role of HR in Information Security

SELF STUDY

Role of HR in Information Security.

TEXT BOOK:

1. Michael J.Kavanagh and Mahan Thite, HRIS, Sage Publications,2008

REFERENCE BOOKS:

1. J. Allen Doran ,HRM System-A Practical Approach, Carswell Legal Pubns; 2 edition 1, 1999
2. P.K. Gupta Susheel Chbabra, HRIS, Himalaya Publishers,2008

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://nscpolteksby.ac.id/ebook/files/Ebook/Business%20Administration/ARMSTRONGS%20HANDBOOK%20OF%20HUMAN%20RESOURCE%20MANAGEMENT%20PRACTICE/62%20-%20HR%20Information%20Systems.pdf
2. https://nscpolteksby.ac.id/ebook/files/Ebook/Business%20Administration/ARMSTRONGS%20HANDBOOK%20OF%20HUMAN%20RESOURCE%20MANAGEMENT%20PRACTICE/62%20-%20HR%20Information%20Systems.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTERFACE BETWEEN HR & IT**			
1.1	Introduction to HRIS	3	Chalk & Talk	Black Board
1.2	Interface between HR & IT.	2	Chalk & Talk	LCD
1.3	Data, Information, and Database-	2	Lecture	PPT & White board

1.4	HRIS Model-Benefits	2	Lecture	Smart Board
1.5	HRIS needs	1	Lecture	Black Board
1.6	Planning and Analysis	1	Discussion	Google classroom
1.7	Components using System Development Life cycle	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**LOGICAL PROCESS MODELLING**			
2.1	Logical design	1	Lecture	Green Board
2.2	Logical process Modeling	2	Chalk & Talk	Green Board
2.3	Data flow diagram-Physical design & System feasibility	3	PPT	LCD
2.4	HRIS Cost Benefit Analysis	3	PPT	LCD
2.5	Methods of Estimating Sources and time	3	Chalk & Talk	Black Board
UNIT -3	**ISSUES OF HRIS**			
3.1	HRIS implementation issues	3	Lecture	PPT & White board
3.2	Models of Change Process	3	Lecture	PPT & White board
3.3	System failure	3	Chalk & Talk	Black Board

3.4	Organisation and Individual issues	3	Chalk & Talk	Black Board
UNIT -4	**FUNCTIONAL AREAS OF HR**			
4.1	HRIS and Functional Areas of HR	2	Discussion	Black Board
4.2	Job analysis.	2	Chalk & Talk	Black Board
4.3	HR Planning-Recruitment and Selection technology	3	Lecture	PPT & White board
4.4	Training and development	3	Lecture	PPT & White board
4.5	Strategic Implementation	2	Discussion	Black Board
UNIT -5	**PERFORMANCE MANAGEMENT**			
5.1	Performance Management	3	Discussion	Black Board
5.2	Compensation	3	Chalk & Talk	Black Board
5.3	HR progress in Global organization	3	Lecture	PPT & White board
5.4	Role of HR in Information Security	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S	PSOs ADDRESSED

		TAXONOMY)	
CO 1	Outline information about interface between HR & IT.	K2	PSO1
CO 2	Discuss the logical process modelling.	K2, K3	PSO2
CO 3	Analyse the various issues of HRIs	K3	PSO3
CO 4	Asses HRIs & Functional Areas of HR.	K4	PSO4
CO 5	Evaluate performance and compensating management in organisation	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2

CO4	2	3	2	3	3
CO5	2	2	3	2	3

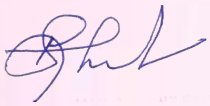
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA406A	Value Engineering & Waste Control	Major Elective	5	5

COURSE DESCRIPTION

This course makes the students to learn the basics of value engineering and its importance. The course deals with uses of value engineering and reducing waste.

COURSE OBJECTIVES

This course is created to understanding the various value engineering technique and management of waste control.

UNITS

UNIT I : INTRODUCTION TO VALUE ENGINEERING [12 HRS]

Background and significance of value engineering, effects of changing technological, commercial and government factors – VE as a new discipline – general operation and costs – relations of VE to other operations.

The principle of value engineering problem recognition and definition; the role of creativity – the criteria for comparison – the element of choice.

UNIT II : FUNCTIONS OF VALUE ENGINEERING [12 HRS]

The meaning and analysis of function – the general concept – meaning of use esteem and exchange value – the anatomy of functions – basic Vs. secondary Vs. unnecessary functions – using and evaluating functions. The role of management in value engineering an integral part of the VE programme – responsibility – organization of management – budget auditing merit recognition.

UNIT III :THE TECHNIQUES OF VALUE ENGINEERING [12 HRS]

Value engineering techniques – selecting products and operations for VE action, how to time the VE programme – determining and weighing the functions assigning money equitations – developing alternative in decision making measuring – benefits –reporting results – follow –up. Value and decision – decision process – theory of the decision – matrix (linear programming) – concept of utility make or buy. Scheduling of value engineering activity man's system – Gantt charts – PERT charts and techniques – net work logic critical path method (CPM) use of control charts.

UNIT IV: ORGANISATION OF VALUE ENGINEERING [12 HRS]

Organisation and staffing for value, engineering; general organisation concept – relation of Organisation to expected VE actions – centralization Vs. decentralization – level of VE in the organization – small plant VE activity – size and skills of VE staff. Training for value engineering – objectives- initial programme – management orientation agenda – detail training of value engineers – introduction of peripheral personal – conducting training – programme costs.

UNIT-V: EMERGING TRENDS IN VALUE ENGINEERING [12 HRS]

Value engineering at work- variety reduction – case studies with costs of VE efforts improving function quality performance, indirect labour costs – material cost – capital cost. Value analysis – implications on cost and quality.

SELF STUDY:

Value analysis – Implications on cost and quality

TEXT BOOK :

1. Value analysis in design, C. Flower, van nostrand reinlhold inc.2017

REFERENCE BOOKS :

1. Reengineering for sustainable industrial production, Camarinha, PHI publications, 2011.
2. Manufacturing excellence in goal market, W. Evershein, PHI publications, 2011.
3. Productivity Management - John heap – cassell, PHI publications, 2011.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.ddegjust.ac.in/2017/Uploads/11/POM-324.pdf
2. https://www.saijmcoe.org/?gclid=EAIaIQobChMI7PKO_uDA7gIVGiUrCh01FwhxEAMYASAAEgL1O_D_BwE

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO VALUE ENGINEERING**			
1.1	Background and significance of value engineering	1	Lecture	PPT &White board
1.2	Effects of changing technological, commercial and government factors	1	Lecture	Smart Board
1.3	VE as a new discipline – general operation and costs – relations of VE to other operation	3	Chalk &Talk	Black Board
1.4	The principle of value engineering problem recognition and definition	3	Chalk &Talk	Black Board
1.5	The role of creativity	2	Discussion	Google classroom
1.6	The criteria for comparison and the element of choice.	2	Discussion	Black Board
UNIT -2	**FUNCTIONS OF VALUE ENGINEERING**			
2.1	The meaning and analysis of function and the general concept.	1	Lecture	Green Board
2.2	Meaning of use esteem and exchange value	1	Flipped Learning	E- Content
2.3	The anatomy of functions	1	Discussion	Google classroom
2.4	Basic Vs. secondary Vs. unnecessary functions and using and evaluating functions	3	Lecture	PPT & White board
2.5	The role of management in value engineering an integral part of the	3	Lecture	Smart Board

	VE programme			
2.6	Responsibility, organization of management and budget auditing merit recognition.	3	Discussion	Black Board
UNIT -3	**THE TECHNIQUES OF VALUE ENGINEERING**			
3.1	Value engineering techniques , selecting products and operations for VE action, how to time the VE programme	3	Lecture	Green Board Charts
3.2	Determining and weighing the functions assigning money equitations, developing alternative in decision making measuring, benefits, reporting results and follow –up.	3	Chalk &Talk	Green Board
3.3	Value and decision, decision process, theory of the decision, matrix (linear programming), concept of utility make or buy.	3	Lecture	PPT & White board
3.4	Scheduling of value engineering activity man's system, Gantt charts, PERT charts and techniques , net work logic critical path method (CPM) use of control charts.	3	Lecture	Smart Board
UNIT -4	**ORGANISATION OF VALUE ENGINEERING**			
4.1	Organisation and staffing for value, engineering; general organisation concept, relation of Organisation to expected VE actions	3	Lecture	Green Board Charts
4.2	Centralization Vs. decentralization , level of VE in the organization , small plant VE activity , size and	3	Chalk &Talk	Green Board

	skills of VE staff.			
4.3	Training for value engineering, objectives, initial programme, management orientation agenda.	3	Lecture	PPT & White board
4.4	Detail training of value engineers, introduction of peripheral personal, conducting training and programme costs.	3	Lecture	Smart Board
UNIT -5	**EMERGING TRENDS IN VALUE ENGINEERING**			
5.1	Value engineering at work	3	Lecture	Green Board Charts
5.2	Variety reduction	3	Chalk &Talk	Green Board
5.3	Case studies with costs of VE efforts improving function quality performance, indirect labour costs – material cost – capital cost.	3	Chalk & Talk	Green Board
5.4	Value analysis and implications on cost and quality.	3	Lecture	PPT & White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%

K3	**5**	-	-	**5**	**10**		**10**	**20%**
K4	**5**	**5**	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	-	**10**		**10**	**20%**
Non Scholastic	-	-	-	-	-	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ All the course outcomes are to be assessed in the various CIA components.
- ✓ The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :

K2-Understand, K3-Apply, K4-Analyse, K5-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of value engineering and discuss the relation of VE to other operations	K2	PSO1
CO 2	Identify the different value engineering techniques and assess the decision making process	K2, K3	PSO2
CO 3	Discuss the concept of scheduling and analyse the different techniques in scheduling	K3	PSO3
CO 4	Assess the different types of training	K4	PSO4

	for value engineering		
CO 5	Discuss and communicate the value engineering at workplace	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3

CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2** ♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME	COURSE	COURSE TITLE	CATEGORY	HRS/W	CREDITS

CODE	CODE			EEK	
MBA	19MBA406B	Production Planning & Control	Major Elective	5	5

COURSE DESCRIPTION

The course introduces students to the basic concept of production planning and control. The students will have the opportunity to learn routing and scheduling being used in the business environment which enables students to make better decisions.

COURSE OBJECTIVES

This course is created to understand the production planning and control mechanism in the organisation.

UNITS

UNIT 1 : PRODUCTION CAPACITY PLANNING [12 HRS]

Meaning and objectives- Methods of capacity planning – Measurement of capacity planning – Factors affecting capacity planning - Meeting customer's needs - Maintaining high levels of internal operational efficiency – forecasts of customer orders– Assessment of productive capacity.

UNIT 2 : PRODUCTION CAPACITY FORECASTING [12 HRS]

Production planning – production facilities - capacity to meet delivery schedules – maximizes the utilization of scarce productive resource - Capacity determination of production resources.

UNIT 3 : ROUTING [12 HRS]

Meaning – Functions of Routing – Routing procedures – Advantages of Routing- Techniques of Routing - Dispatching – Expedition of production order – materials management.

UNIT 4 : SCHEDULING [12 HRS]

Definition – Objectives – Types of Schedules – Problems in Scheduling – Principles of scheduling – Scheduling strategies – ERP Software for Master Production Scheduling – Flexible production scheduling.

UNIT 5 : PRODUCTION CONTROL [12 HRS]

Production control – control of activities – control of materials – control of tools – control of quality – control of labour efficiency – control of progress of orders-Computer aided production planning and control systems. Line balancing, Johnson Algorithms, GANTT Chart.

SELF STUDY

Computer aided production planning and control systems

TEXT BOOK :

1. Production & Planning & Information System – J.J. Verizili, Macmillan Publishers, 2010

REFERENCE BOOKS :

1. Introduction to Industrial Engineering and Management Science – Philip E. Hicks, Macmillan Publishers, 2010
2. Production Systems – Planning Analysis & Control – Rigggs, Macmillan Publishers, 2010
3. Modern Production Control – Willsmore, Macmillan Publishers, 2010

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://mrcet.com/downloads/digital_notes/ME/IV%20year/PPC%20NOTES.pdf
2. http://courseware.cutm.ac.in/wp-content/uploads/2020/06/Production-planning-control-pdf-2.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**PRODUCTION CAPACITY PLANNING**			
1.1	Meaning and objectives- Methods of capacity planning	1	Lecture	PPT & White board
1.2	Measurement of capacity planning	1	Lecture	Smart Board
1.3	Factors affecting capacity planning - Meeting customer's needs	3	Chalk & Talk	Black Board
1.4	Maintaining high levels of internal operational efficiency	3	Chalk & Talk	Black Board
1.5	Forecasts of customer orders	2	Discussion	Google classroom
1.6	Assessment of productive capacity	2	Discussion	Black Board
UNIT -2	**PRODUCTION CAPACITY FORECASTING**			
2.1	Production planning	2	Lecture	Green Board Charts
2.2	Production facilities	2	Flipped Learning	Online/ E-Content/ Text Books
2.3	Capacity to meet delivery schedules	2	Discussion	Google classroom
2.4	Maximizes the utilization of scarce productive resource	3	Lecture	PPT & White

				board
2.5	Capacity determination of production resources	3	Lecture	Smart Board
UNIT -3 ROUTING				
3.1	Meaning – Functions of Routing	3	Lecture	Green Board Charts
3.2	Routing procedures and Advantages of Routing	3	Chalk &Talk	Green Board
3.3	Techniques of Routing and Dispatching	3	Lecture	PPT & White board
3.4	Expedition of production order and materials management	3	Lecture	Smart Board
UNIT -4 SCHEDULING				
4.1	Definition,Objective and Types of Schedules	3	Lecture	Green Board Charts
4.2	Problems in Scheduling and Principles of scheduling	3	Chalk & Talk	Green Board
4.3	Scheduling strategies and ERP Software for Master Production Scheduling	3	Lecture	PPT & White board
4.4	Flexible production scheduling.	3	Lecture	Smart Board
UNIT -5 PRODUCTION CONTROL				
5.1	Production control and control of activities	2	Lecture	Green Board

5.2	Control of materials, control of tools and control of quality.	2	Chalk &Talk	Green Board
5.3	Control of labour efficiency	3	Chalk & Talk	Green Board
5.4	Control of progress of orders, Computer aided production planning and control systems.	2	Lecture	PPT & White board
5.5	Line balancing, Johnson Algorithms, GANTT Chart.	3	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45

Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of production planning and different control procedures in the organisation.	K2	PSO1
CO 2	Discuss the application of routing & scheduling in production planning.	K2, K3	PSO2
CO 3	Identify the different type of production system and control technique.	K3	PSO3
CO 4	Assess the different stages of production control.	K4	PSO4
CO 5	Discuss different types of computer aided production planning and computer systems.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA406C	Project Management	Major Elective	5	5

COURSE DESCRIPTION

This course has been designed with an objective to familiarise students with key aspects of project management. This course will equip them to understand the influences of heuristics while taking investment decision.

COURSE OBJECTIVES

This come aim at appraising the students with the concept and techniques used in the process of project conception feasibility study, evaluation implementation and there by develop necessary skills for project planning and management.

UNITS

UNIT I : INTRODUCTION TO PROJECT MANAGEMENT [12 HRS]

Overview of the process for project Feasibility analysis generation and screening of venture ideas – Market Analysis – Social Cost Benefit Analysis (SCBA)

UNIT II : PROJECT EVALUATION [12 HRS]

Project Management and Introduction to Project Planning and Evaluation- Bar Charts.

UNIT III :NETWORK TECHNIQUE [12 HRS]

The Network technique - Finding Critical Path – The PERT Model – The CPM Model – PERT / Cost and Creating – Scheduling under resource constraints – PERT in practice.

UNIT IV : GERT AND PROJECT MANAGEMENT [12 HRS]

Modification of PERT such as GERT simulation and its application in project management

UNIT V: PROJECT ORGANIZATION **[12 HRS]**

Project organization – Matrix organization – Project costing – Contact Lock Administration

SELF STUDY :

Matrix organization

TEXT BOOK :

1. Project Feasibility Analysis – D.S Clittion & D.E. Fytte, BritainG NashOxford University Press, 2017

REFERENCE BOOKS :

1. Project Appraisal & Planning in Development Economics – I.M.D Little & A. Mirless, BritainG NashOxford University Press, 2017
2. Guidelines for Project Evaluation – P. Dasgupta, A.K. Seu & S. Marglin BritainG NashOxford University Press, 2017
3. Management Guide to PERT & CPM – Wiest & LevyBritainG NashOxford University Press, 2017

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://www.opentextbooks.org.hk/system/files/export/15/15694/pdf/Project_Management_15694.pdf
2. https://www.nesacenter.org/uploaded/conferences/SEC/2014/handouts/Rick_Detwiler/15_Detwiler_Resources.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

odule No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO PROJECT MANAGEMENT**			
1.1	Overview of the process for project Feasibility analysis generation	3	Lecture	PPT & White

				board
1.2	Screening of venture ideas	3	Lecture	Smart Board
1.3	Market Analysis	3	Chalk & Talk	Black Board
1.4	Social Cost Benefit Analysis (SCBA)	3	Chalk & Talk	Black Board
UNIT -2	**PROJECT EVALUATION**			
2.1	Project Management	3	Lecture	Green Board Charts
2.2	Introduction to Project Planning	3	Flipped Learning	Online/ E-Content/ Text Books
2.3	Project Evaluation	3	Discussion	Google classroom
2.4	Bar Charts.	3	Lecture	PPT & White board
UNIT -3	**NETWORK TECHNIQUE**			
3.1	The Network technique - Finding Critical Path	3	Lecture	Green Board Charts
3.2	The PERT Model – The CPM Model	3	Chalk & Talk	Green Board
3.3	PERT / Cost and Creating	3	Lecture	PPT & White board

3.4	Scheduling under resource constraints and PERT in practice	3	Lecture	Smart Board
UNIT -4 GERT AND PROJECT MANAGEMENT				
4.1	Modification of PERT	4	Lecture	Green Board Charts
4.2	GERT simulation	4	Chalk & Talk	Green Board
4.3	Application in project management	4	Lecture	PPT & White board
UNIT -5 PROJECT ORGANISATION				
5.1	Project organization	3	Lecture	Green Board
5.2	Matrix organization	3	Chalk & Talk	Green Board
5.3	Project costing	3	Chalk & Talk	Green Board
5.4	Contact Lock Administration	3	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%

K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	-	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks

C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concept of project management and discuss the project feasibility analysis	K2	PSO1
CO 2	Discuss the market analysis and evaluate social cost Benefit Analysis.	K2, K3	PSO2
CO 3	Identify the different networking techniques used in project construction.	K3	PSO3
CO 4	Explain the concept of GERT simulation and its application in project management.	K4	PSO4
CO 5	Prepare the project organisation and project costing.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2** ♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R. Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA407A	Hospital Services Management	Major Elective	5	5

COURSE DESCRIPTION

The course will focus on sharing the latest trends, best practices and procedures in Hospital administration.

COURSE OBJECTIVES

This course is aimed at impairing the application of management concepts in hospital.

UNITS

UNIT I: OUTPATIENT SERVICES AND TRAUMA CARE [12 HRS]

Functions, Patient Flow, Location, Design and Layout, Staffing, Physical Facilities, Daily Planning and Scheduling of Work, Specialty, Sub-speciality and Super Speciality Clinics, Day Care, Front Office, Information and Communication, Managing Waiting Time, Reservation, Appointment by Phone, Patient Counselling, Other Facilities: Pharmacy, Gifts Shop, Prayer / Meditation Room, Disaster Management: Principles and Classification, Ambulance and Paramedic Services, Medico-legal Procedures, Communication System Medical Records: Functions, Types of Forms, Retention Policy, Medical Records Committee, EMR, Microfilming and Smart Cards.

UNIT II: INPATIENT SERVICES, OT AND ICU [12 HRS]

Inpatient: Functions, Location, Design and Layout, Staffing, Physical Facilities, Admission, Transfer, Billing and Discharge Procedures, Bed Compliment, Bed Days, Average Length of Stay (LOS), Bed Occupancy Rate, Daily Ward Census, Bed Turnover Rate, Gross / Net / Postoperative Death Rate, Managing Deaths. OT: Functions, Patient

Flow, Location, Design and Layout, Staffing, Physical Facilities, Daily Planning and Scheduling, Determinants of number of Operating Rooms, Zoning and Aseptic / Sterile Techniques, Centralised Sterile Supply, Safety Issues. ICU: Functions, Location, Design and Layout, Staffing, Physical Facilities, Types of ICUs

UNIT III: DIAGNOSIS [12 HRS]

Radiology Services: Functions, Location, Design and Layout, Staffing. Laboratory Services: Functions, Location, Design and Layout, Staffing, Classification.

UNIT IV: ENGINEERING SERVICE [12 HRS]

Functions of Civil, Electrical and Biomedical Services. Equipment- Types and Characteristics; Purchase, Inspection, Installation, Records, and Responsibilities.

UNIT V: SUPPORT SERVICES [12 HRS]

Functioning of Dietary Services – Functions – Equipment – Store – Day store – General kitchen – Special diet kitchen – Food distribution. Linen & Laundry: meaning – Importance – Types of service – Laundry arrangements – Washing materials – Washing arrangements - Housekeeping and security.

SELF STUDY :

Housekeeping and security

TEXT BOOK :

1. Syed Amin Tabish, Hospital and Health Services Administration Principles and Practice(Oxford University Press, New Delhi)

REFERENCE BOOKS :

1. B.M. Sakharkar, Principles of Hospital Administration and Planning (Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi)
2. C.M. Francis and et al., Hospital Administration (Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi)

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.vpmthane.org/adc/Uploads/Hospital_Admin.pdf
2. https://www.pdfdrive.com/hospital-administration-books.html

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**OUTPATIENT SERVICES AND TRAUMA CARE**			
1.1	Functions, Patient Flow, Location, Design and Layout, Staffing, Physical Facilities	1	Lecture	PPT & White board
1.2	Daily Planning and Scheduling of Work, Specialty, Sub-speciality and Super Speciality Clinics, Day Care, Front Office	1	Lecture	Smart Board
1.3	Information and Communication, Managing Waiting Time, Reservation, Appointment by Phone, Patient Counselling, Other Facilities	3	Chalk &Talk	Black Board
1.4	Pharmacy, Gifts Shop, Prayer / Meditation Room, Disaster Management	3	Chalk & Talk	Black Board
1.5	Principles and Classification, Ambulance and Paramedic Services, Medico-legal Procedures, Communication System	2	Discussion	Google classroom
1.6	Medical Records: Functions, Types of Forms, Retention Policy, Medical Records Committee, EMR, Microfilming and Smart Cards	2	Discussion	Black Board
UNIT -2	**INPATIENT SERVICES, OT AND ICU**			
2.1	Inpatient: Functions, Location, Design and Layout, Staffing, Physical Facilities	1	Lecture	Green Board Charts
2.2	Admission, Transfer, Billing and Discharge Procedures, Bed	1	Flipped Learning	Online/ E-Content/

	Compliment, Bed Days, Average Length of Stay (LOS)			Text Books
2.3	Bed Occupancy Rate, Daily Ward Census, Bed Turnover Rate, Gross / Net / Postoperative Death Rate, Managing Deaths	1	Discussion	Google classroom
2.4	OT: Functions, Patient Flow, Location, Design and Layout, Staffing, Physical Facilities, Daily Planning and Scheduling	3	Lecture	PPT & White board
2.5	Determinants of number of Operating Rooms, Zoning and Aseptic / Sterile Techniques, Centralised Sterile Supply, Safety Issues	3	Lecture	Smart Board
2.6	ICU: Functions, Location, Design and Layout, Staffing, Physical Facilities, Types of ICUs	3	Discussion	Black Board
UNIT -3 DIAGNOSIS				
3.1	Radiology Services: Functions, Location	3	Lecture	Green Board Charts
3.2	Design and Layout, Staffing	3	Chalk & Talk	Green Board
3.3	Laboratory Services: Functions and Location	3	Lecture	PPT &White board
3.4	Design and Layout, Staffing and Classification	3	Lecture	Smart Board
UNIT -4 ENGINEERING SERVICE				

4.1	Functions of Civil, Electrical and Biomedical Services	3	Lecture	Green Board Charts
4.2	Equipment types and Characteristics	3	Chalk & Talk	Green Board
4.3	Purchase, Inspection, Installation, Records	3	Lecture	PPT & White board
4.4	Engineering service responsibilities	3	Lecture	Smart Board
UNIT -5 SUPPORT SERVICES				
5.1	Functioning of Dietary Services	2	Lecture	Green Board Charts
5.2	Functions, Equipment, Store, Day store, General kitchen and Special diet kitchen	2	Chalk &Talk	Green Board
5.3	Food distribution. Linen & Laundry: meaning,Importance and types of service.	3	Chalk & Talk	Green Board
5.4	Laundry arrangements, washing materials.	2	Lecture	PPT & White board
5.5	Washing arrangements, Housekeeping and security.	3	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessm

	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	ent
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total

10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the overview of outpatient services and Trauma care in hospital.	K2	PSO1
CO 2	Demonstrate the impatient services and functions of OT/ICU in the hospital.	K2, K3	PSO2
CO 3	Explain the diagnosis procedures in the hospital.	K3	PSO3
CO 4	Identify the role of engineering service in Hospital.	K4	PSO4
CO 5	Discuss the various supporting services in Hospital.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA407B	Quality Management In Hospital	Major Elective	5	5

COURSE DESCRIPTION

The course aims to prepare students to provide in-depth knowledge of quality management that can be used in hospitals.

COURSE OBJECTIVES

To deal with formulation and implementation of strategy. To study and understand the various steps in strategic management

UNITS

UNIT I : INTRODUCTION TO QUALITY MANAGEMENT [12 HRS]

Quality: Meaning – Concept – Quality Terminologies: Quality control – Quality assurance – Quality Management – Total quality management – 6 Sigma – Meaning and significance.

UNIT II : QUALITY MANUAL [12 HRS]

Quality Management: Fundamentals – Objectives – Quality Management in Hospital Services: Need – Importance – Quality manual.

UNIT III : QUALITY ASSURANCE [12 HRS]

Quality Assurance in Hospital Services: Quality in core and support services – Quality Circles.

UNIT IV : TOTAL QUALITY STANDARDS [12 HRS]

Total Quality Management: Elements – TQM in global perspective – Quality standards – ISO 9000 series – Business Process Reengineering.

UNIT V: AUDIT AND CONTROL TECHNIQUES [12 HRS]

Quality Assessment: Quality review – Medical audit – Peer review – Quality recognition – Quality awards. Quality Control Techniques: Core competence – Strategic alliances for ensuring quality – Bench marking.

SELF STUDY:

Bench Marking

TEXT BOOK :

1. Armond V. Feigerbaum, Total Quality Control, McGraw Hill. 2011

REFERENCE BOOKS :

1. Ron Collard, Total Quality, Jaico, Delhi, 2009
2. John Bark, Essence of TQM, Prentice Hall, Delhi, 2011
3. Willborn & Cheng, Global Management of Quality Assurance Systems, McGraw Hill, 2010
4. Townsend & Gebhardt, Commit to Quality, John Wiley & Sons, 2010

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.diva-portal.org/smash/get/diva2:171369/FULLTEXT01.pdf
2. https://www.ghdonline.org/uploads/QMMP.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO QUALITY MANAGEMENT**			
1.1	Quality: Meaning and Concept.	2	Lecture	PPT & White board
1.2	Quality Terminologies	2	Lecture	Smart Board
1.3	Quality control and Quality	3	Chalk & Talk	Black

	assurance			Board
1.4	Quality Management and Total quality management	3	Chalk & Talk	Black Board
1.5	6 Sigma - Meaning and significance	2	Discussion	Google classroom
UNIT -2 QUALITY MANUAL				
2.1	Quality Management	1	Lecture	Green Board Charts
2.2	Fundamentals	2	Flipped Learning	Online/ E-Content/ Text Books
2.3	Objectives	1	Discussion	Google classroom
2.4	Quality Management in Hospital Services	4	Lecture	PPT & White board
2.5	Need – Importance – Quality manual	4	Lecture	Smart Board
UNIT -3 QUALITY ASSURANCE				
3.1	Quality Assurance in Hospital Services	4	Lecture	Green Board Charts
3.2	Quality in core and support services	4	Chalk &Talk	Green Board
3.3	Quality Circles	4	Lecture	PPT & White board
UNIT -4 TOTAL QUALITY STANDARDS				
4.1	Total Quality Management	3	Lecture	Green Board Charts
4.2	Elements and TQM in global perspective	3	Chalk & Talk	Green Board
4.3	Quality standards and ISO 9000 series	3	Lecture	PPT & White board
4.4	Business Process Reengineering	3	Lecture	Smart Board
UNIT -5 AUDIT AND CONTROL TECHNIQUES				

5.1	Quality Assessment and Quality review	2	Lecture	Green Board
5.2	Medical audit – Peer review – Quality recognition – Quality awards	2	Chalk &Talk	Green Board
5.3	Quality Control Techniques	3	Chalk & Talk	Green Board
5.4	Core competence	2	Lecture	PPT & White board
5.5	Strategic alliances for ensuring quality and Bench marking	3	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45

Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the Quality terminologies, TQM and Six Sigma	K2	PSO1
CO 2	Explain the Quality Management in Hospital Services	K2, K3	PSO2
CO 3	Identify the problems of Quality Assurance in Hospital Services	K3	PSO3
CO 4	Analyze the Quality standards, ISO 9000 series & Business Process Reengineering..	K4	PSO4
CO 5	Assess the Strategic alliances for ensuring quality & Bench marking	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA407C	Marketing Of Hospital Services	Major Elective	5	5

COURSE DESCRIPTION

The course provides students scope, skills and tools of marketing. Then the student will be able to start their marketing careers in the Hospital.

COURSE OBJECTIVES

This course develop to understand the effect of marketing services in hospital.

UNITS

UNIT I: SERVICE MARKETING [12 HRS]

Meaning, Concept – Significance – Salient features – Service Mission Statement – Planning for marketing hospital services – Market Segmentation in hospital services – Services mix – Elements – Their relation to hospital marketing.

UNIT II: HOSPITAL SERVICES [12 HRS]

Meaning – Service product mix – Planning and development of new services – Modification – Diversification and Elimination of services – Branding of hospital services – Implication on marketing – Package of services.

UNIT III: PRICE AND DISTRIBUTION [12 HRS]

Pricing of Hospital Services – Meaning – Factors influencing pricing – Pricing objectives and methods – Distribution of hospital services – Need – Importance – Types – Medical camps – Suburban centers – Rural centers management – Logistics management – Franchise in hospital services.

UNIT IV: PROMOTIONAL STRATEGIES [12 HRS]

Promotion and Communication mix for Hospital Services – Promotional strategies – Advertisement and Public relations – Sales Promotion – Personal selling – Medical Tourism.

UNIT V: PEOPLE, PROCESS AND PHYSICAL EVIDENCE [12 HRS]

People and Process in hospital services – Internal marketing – Processes – Customer relationship marketing – Process – Service quality – Delivery of hospital services – Procedures, tasks, schedules, mechanisms, activities and routines. Physical Evidence in hospital services – Meaning – Need – Importance – Kinds – Brochures – Physical facilities and equipments.

SELF STUDY:

Medical Tourism

TEXT BOOK:

1. Jha S.M, Service Marketing, Himalaya Publishing, Mumbai, 2016.

REFERENCE BOOKS :-

1. Adrian Payne, The Essence of Services Marketing, PHI, New Delhi, 2000.
2. Helen Woodruffe, Services Marketing, Macmillan, Delhi, 2005.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. http://dspace.hmlibrary.ac.in:8080/jspui/bitstream/123456789/1732/11/11_Chapter%202.pdf
2. http://blr.healthleadersmedia.com/supplemental/7297_browse.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**SERVICE MARKETING**			
1.1	Meaning, Concept and Significance	1	Lecture	PPT & White board
1.2	Salient features	1	Lecture	Smart Board
1.3	Service Mission Statement	3	Chalk & Talk	Black Board
1.4	Planning for marketing hospital services.	3	Chalk & Talk	Black Board
1.5	Market Segmentation in hospital services.	2	Discussion	Google classroom
1.6	Services mix, Elements and their relation to hospital marketing	2	Discussion	Black Board
UNIT -2	**HOSPITAL SERVICES**			
2.1	Meaning	1	Lecture	Green Board Charts
2.2	Service product mix	1	Flipped Learning	Online/ E-Content/ Text Books
2.3	Planning and development of new	1	Discussion	Google

	services			classroom
2.4	Modification – Diversification and Elimination of services	3	Lecture	PPT & White board
2.5	Branding of hospital services and Implication on marketing	3	Lecture	Smart Board
2.6	Package of services	3	Discussion	Black Board
UNIT -3 PRICE AND DISTRIBUTION				
3.1	Pricing of Hospital Services, Meaning and Factors influencing pricing.	3	Lecture	Green Board Charts
3.2	Pricing objectives and methods, Distribution of hospital services	3	Chalk & Talk	Green Board
3.3	Need,Importance, Types,Medical camps and Suburban centers.	3	Lecture	PPT & White board
3.4	Rural centers management, Logistics management and Franchise in hospital services	3	Lecture	Smart Board
UNIT -4 PROMOTIONAL STRATEGIES				
4.1	Promotion and Communication mix for Hospital Services	3	Lecture	Green Board Charts
4.2	Promotional strategies	3	Chalk & Talk	Green Board
4.3	Advertisement and Publicrelations, Sales Promotion	3	Lecture	PPT & White board

4.4	Personal selling and Medical Tourism	3	Lecture	Smart Board
UNIT -5 PEOPLE, PROCESS AND PHYSICAL EVIDENCE				
5.1	People and Process in hospital services and Internal marketing	2	Lecture	Green Board Charts
5.2	Processes, Customer relationship marketing, Process and Service quality	2	Chalk & Talk	Green Board
5.3	Delivery of hospital services, Procedures, tasks, schedules, mechanisms, activities and routines	3	Chalk & Talk	Green Board
5.4	Physical Evidence in hospital services, Meaning, Need and Importance	2	Lecture	PPT & White board
5.5	Kinds, Brochures,Physical facilities and equipments	3	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%

K5	-	**5**	**5**	-	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	-	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks

C5 - Attendance 1 - 5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

S.NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concept of service of service marketing and identify different service mix components for hospital.	K2	PSO1
CO 2	Discuss the procedure for planning and development of new services in the hospital.	K2, K3	PSO2
CO 3	Asses the different type of pricing methods and franchise in hospital service.	K3	PSO3
CO 4	Identify the promotion and communication mix for hospital services.	K4	PSO4
CO 5	Analyse the role and importance of people, process and physical evidence in hospital service.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R. Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA408A	International Marketing	Major Elective	5	5

COURSE DESCRIPTION

The course seeks to improve the knowledge of learners on the international context of marketing orientation. It also inculcates the expertise in the managers to formulate marketing decisions in the international context.

COURSE OBJECTIVES

This course intends to enhance the marketing skills in international context.

UNITS

UNIT I : INTRODUCTION [12 HRS]

Evolution to international marketing -Scope and significance of International marketing – India's Foreign Trade – Trends in foreign trade – Government policies – Infrastructure for export promotion – Export documentation and procedures - Appraisal on international markets – Planning Entry – Entry decisions – Marketing research and information system – Market targeting – Deciding type of entry - Organizing marketing department- Challenges of International Marketing

UNIT II : PRODUCT STRATEGY [12 HRS]

Meaning - Standard Vs Differentiated products – Product line alternatives – Product line adaptation – Product diffusion – Branding and packaging Decisions.

UNIT III : PRICING STRATEGY [12 HRS]

Meaning – Pricing objectives – Cost factors – Price Escalation – Market pricing – Administered pricing.

UNIT IV : DISTRIBUTION STRATEGY [12 HRS]

Meaning – Channels of distribution – Factors in channel selection – Physical distribution decisions.

UNIT V: PROMOTION STRATEGY [12 HRS]

Meaning – International Advertising media decisions – Agency arrangements – Personal selling and other promotional tools – Co-ordination and control – Types of control – Optimizing and International marketing strategy.

SELF STUDY:

Channels of distribution.

TEXT BOOK:

1. Keegan, Warren J., Global Marketing Management, 7th ed., New Delhi: Prentice Hall of India, 2007.

REFERENCE BOOKS :

1. Cateora, Philip R., Gilly, Mary C., & Graham, John L., International Marketing, 15th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2017.
2. Saxena, Rajan., Marketing Management, --4th ed., New Delhi: Tata Mc-Graw Hill Education Pvt Ltd., 2009.
3. Balagopal, T A S, Export Marketing, Mumbai: Himalaya publishing House, 2014
4. Cherunilam, Francis, International Business Environment, --7th revised ed., Mumbai: Himalaya Publishing House, 2015.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://artnet.unescap.org/tid/artnet/mtg/competitivenesss_s7.pdf
2. https://ebs.online.hw.ac.uk/EBS/media/EBS/PDFs/International-Marketing-Course-Taster.pdf
3. https://www.emerald.com/insight/content/doi/10.1108/eb008329/full/html?skipTracking=true

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Evolution to international marketing-Scope and significance of International marketing – India's Foreign Trade – Trends in foreign trade – Government policies-Challenges of International Marketing	4	Lecture	LCD
1.2	Infrastructure for export promotion – Export documentation and procedures - Appraisal on international markets – Planning Entry – Entry decisions	4	Blended learning	Online learning
1.3	Marketing research and information system – Market targeting – Deciding type of entry - Organizing marketing department	4	Group Discussion	Materials
UNIT -2	**PRODUCT STRATEGY**			
2.1	Meaning - Standard Vs Differentiated products – Product line alternatives	3	Lecture	White Board
2.2	Product line adaptation – Product diffusion	4	Problem-based learning	White Board

2.3	Branding and packaging Decisions	5	Blended learning	Google classroom
UNIT -3	**PRICING STRATEGY**			
3.1	Meaning – Pricing objectives	3	Lecture	LCD
3.2	Cost factors – Price Escalation	5	Lecture	White Board
3.3	Market pricing – Administered pricing	4	Demonstration	Google classroom
UNIT -4	**DISTRIBUTION STRATEGY**			
4.1	Meaning – Channels of distribution	3	Lecture	LCD
4.2	Factors in channel selection	5	Blended learning	Google classroom
4.3	Physical distribution decisions	4	Problem-based learning	Google classroom
UNIT -5	**PROMOTION STRATEGY**			
5.1	Meaning – International Advertising media decisions – Agency arrangements	2	Case study analysis	Materials
5.2	Personal selling and other promotional tools	3	Blended learning	Online learning
5.3	Co-ordination and control – Types of control	4	Lecture	LCD
5.4	Optimizing and International marketing strategy	3	Blended learning	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explain foreign trade and plan for international market entry decisions	K2	PSO1
CO 2	Formulate product mix decisions	K2, K3	PSO2
CO 3	Plan Pricing mix decisions	K3	PSO3

CO 4	Analyze Distribution strategies	K4	PSO4
CO 5	Evaluate promotion strategies and predict control aspects	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

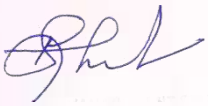
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA408B	Export Finance & Documentation	Major Elective	5	5

COURSE DESCRIPTION

The purpose of the course is to implant proficiency in Export operations and procedures among the learners. The course intends to build up the logical ability of the managers in handling foreign trade transactions.

COURSE OBJECTIVES

This Course is aimed at inculcating expertise in export operations and procedures and provides systematic approach in handing foreign trade transactions.

UNITS

UNIT I : FOREIGN TRADE PROCEDURES [12 HRS]

Domestic trade vs. Foreign trade Procedures involved in export – Import formalities – Visible and invisible imports and exports – Balance of trade – Balance of payments – contract terms – Inco terms – Methods of payment used in foreign trade - Mechanism of letter of credit – Payment credit – Types of L.C – Stand-by credit (Bank Guarantee) – Practical problems faced.

UNIT II : FINANCING FOREIGN TRADE [12 HRS]

Introduction – Packing credit (Pre-shipment credit) – Post-shipment credit - Packing and Post-shipment credit denominated in foreign currency – Bills purchase / discount – Advance against bills sent for collection on consignment goods – Duty drawback – Undrawn balance – Retention money – Buyers credit – Sellers credit – Role of IBRD – IDA – IFC – EXIM Bank – Asian Development Bank (ADB) – ECGC – MIGA (Export credit Guarantee corporation – Multilateral Investment Guarantee Agency

UNIT III : SHIPPING DOCUMENTS [12 HRS]

Commercial documents – Regulatory Documents Invoice – Proforma – Commercial Invoice – Customs invoice – Consular invoice – Legalized invoice – Packing list – Certificate of origin – Insurance Policy – Bill of lading – Bill of exchange – Certificate of Inspection – Q.C. G.R./ PP/VP/COD/ Softex forms – AR4 – Shipping Bill for duty free – dutiable - ex-bond for duty drawback and port trust copy - Freight payment certificate – Insurance premium payment certificate – Bill of Entry Logistics – Container service.

UNIT IV : FOREIGN EXCHANGE THEORIES [12 HRS]

Past and present theories – Exchange rate arithmetic – spot & forward rates – Exchange control Regulations FEMA and PML – Foreign exchange Dealers Association of India (FEDAI) and RBI – IMF and SDR – Convertibility – Factors that influence exchange rate.

UNIT V: PROMOTION OF FOREIGN TRADE [12 HRS]

Trade control – EXIM policy highlights – EPC – EIA (Export Promotion Council, Export Inspection Agency) General provisions regarding exports, imports – Promotional measures – Duty exemption/ remission scheme – Export promotion capital goods scheme – EOU, EPZ, EHTP, STP, AEZ, SEZ – Deemed Exports.

SELF STUDY:

EXIM Policy highlights

TEXT BOOK:

1. Jeevanandam, C., Foriegn Exchange: Practice, Concepts & Control., New Delhi: Sultan Chand & Sons, 2016.

REFERENCE BOOKS :

1. Jain's, R K., Foreige Trade Policy & Handbook of Procedures [2015 – 20] Vol.1. –24th ed., New Delhi: Centax Publications, 2017 – 18.
2. Mahajan, M.I.Foreign Trade: Policy, Procedures and Documentation, Exports, Imports, Foreign Exchange Management, Mumbai: Snow White, 2005.
3. Bhalla, V.K.,International Business: Environment and Management., New Delhi: Anmol Publications Pvt Ltd, 2004.
4. Cherunilam, Francis, International Trade and Export Management, Mumbai: Himalaya Publishing House, 2010.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://grow.exim.gov/hs-fs/hub/421983/file-2055772500-pdf/Guides/trade-guide.pdf
2. http://www.eximguru.com/exim/guides/export-finance/ch_4_trade_documents.aspx

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**FOREIGN TRADE PROCEDURES**			
1.1	Domestic trade vs. Foreign trade Procedures involved in export – Import formalities	3	Blended learning	Online learning
1.2	Visible and invisible imports and exports – Balance of trade – Balance of payments – contract terms – Inco terms	3	Lecture	LCD
1.3	Methods of payment used in foreign trade - Mechanism of letter of credit – Payment credit – Types of L.C – Stand-by credit (Bank Guarantee)	4	Lecture	White board
1.4	Practical problems faced	2	Demonstration	Google classroom
UNIT -2	**FINANCING FOREIGN TRADE**			
2.1	Introduction – Packing credit (Pre-shipment credit) – Post-shipment credit - Packing and Post-shipment credit denominated in foreign currency	4	Lecture	White Board
2.2	Bills purchase / discount – Advance against bills sent for collection on consignment goods	4	Lecture	LCD

	– Duty drawback – Undrawn balance – Retention money – Buyers credit – Sellers credit			
2.3	Role of IBRD – IDA – IFC – EXIM Bank – Asian Development Bank (ADB) – ECGC – MIGA (Export credit Guarantee corporation – Multilateral Investment Guarantee Agency	4	Group Discussion	Materials
UNIT -3	**SHIPPING DOCUMENTS**			
3.1	Commercial documents – Regulatory Documents Invoice – Proforma – Commercial Invoice – Customs invoice – Consular invoice – Legalized invoice	4	Lecture	LCD
3.2	Packing list – Certificate of origin – Insurance Policy – Bill of lading – Bill of exchange – Certificate of Inspection – Q.C. G.R./ PP/VP/COD/ Softex forms – AR4	4	Blended learning	White Board
3.3	Shipping Bill for duty free – dutiable - ex-bond for duty drawback and port trust copy - Freight payment certificate – Insurance premium payment certificate – Bill of Entry Logistics – Container service	4	Lecture	White Board
UNIT -4	**FOREIGN EXCHANGE THEORIES**			
4.1	Past and present theories – Exchange rate arithmetic – spot & forward rates	4	Blended learning	White board
4.2	Exchange control Regulations FEMA and PML – Foreign exchange Dealers Association of India (FEDAI) and RBI	4	Problem-based learning	Smart board

4.3	IMF and SDR – Convertibility – Factors that influence exchange rate	4	Group Discussion	-
UNIT -5 PROMOTION OF FOREIGN TRADE				
5.1	Trade control – EXIM policy highlights – EPC – EIA (Export Promotion Council, Export Inspection Agency) General provisions regarding exports, imports	5	Lecture	LCD
5.2	Promotional measures – Duty exemption/ remission scheme	3	Group Discussion	-
5.3	Export promotion capital goods scheme – EOU, EPZ, EHTP, STP, AEZ, SEZ – Deemed Exports	4	Problem-based learning	Smart board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholasti	-	-	-	-	-	5	5	10 %

c								
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

CIA Components

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks

C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explain foreign trade formalities, payments and practical problems faced	K2	PSO1
CO 2	Analyse financing foreign trade and financing schemes	K2, K3	PSO2
CO 3	Create shipping documents in foreign trade	K3	PSO3
CO 4	Apply Foreign exchange theories	K4	PSO4
CO 5	Evaluate Trade control policies and Promotional measures	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2

CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

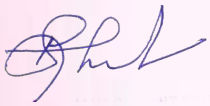
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	19MBA408C	International Human Resource Management	Major Elective	5	5

COURSE DESCRIPTION

This course intends to improve the familiarity of learners on the HRM practices in the international context. It enables the students to face the HRM challenges in the International context.

COURSE OBJECTIVES

This course seeks to enhance the mastery of HRM practices and challenges in International context.

UNITS

UNIT I : INTRODUCTION [12 HRS]

International Human Resource Management – Approaches to IHRM – IHRM Model – Difference between Domestic and International Human Resource Management – Expanding role of HRM in International firms — Managing people in an International context.

UNIT II : CULTURE IN INTERNATIONAL CONTEXT [12 HRS]

Defining Culture in International context – Cultural values – Human Resource Practices in different cultures (America, Japan, Russia and Middle East).

UNIT III : RECRUITMENT & SELECTION [12 HRS]

Practices in MNCs – Executive nationality staffing policies – Issues in staff selection – Expatriation selection and repatriation – Training and Development – Expatriate training – Components of effective pre-departure training.

UNIT IV : PERFORMANCE MANAGEMENT [12 HRS]

Performance Management – Factors affecting individual performance and appraisal – Criteria used for performance Appraisal of International employees – Compensation – Objectives – Key components of international compensation – Approaches to compensation management.

UNIT V: INDUSTRIAL RELATIONS [12 HRS]

Industrial relations – Labour relations policies and practices of multinational films – Industrial relations comparative practices (USA, Japan, India, Europe) – Impact of globalization on Industrial relations.

SELF STUDY:

Issues in staff selection

TEXT BOOK:

1. Bhatia, S.K., International Human Resource Management: A Global Perspective. New Delhi: Deep & Deep Publications, 2013.

REFERENCE BOOKS :

1. Dowling, Peter J, Festing, Marion and Engle, SR., Allen D, International Human Resource Management: –6th ed., Australia: Cengage Learning EMEA, 2013.
2. Tayeb, Monir H.,International Human Resource Management: A Multinational Company Perspective, London: Oxford University Press, 2005.
3. Hrewster Chris, Houldsworth Elizabeth, Sparrow Paul, and Vernon Guy, International Human Resource Management, --4th ed., CIPD – Kogan Page, 2016.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.ftms.edu.my/images/Document/MOD001055%20-%20International%20Business/CHAPTER%208.pdf
2. https://www.longdom.org/open-access/international-human-resource-management-2167-0358-1000203.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	International Human Resource Management – Approaches to IHRM – IHRM Model –Difference between Domestic and International Human Resource Management	4	Problem-based learning	Smart board
1.2	Expanding role of HRM in International firms	4	Lecture	LCD
1.3	Managing people in an International context	4	Lecture	White board
UNIT -2	**CULTURE IN INTERNATIONAL CONTEXT**			
2.1	Defining Culture in International context – Cultural values	5	Lecture	White Board
2.2	Human Resource Practices in different cultures (America, Japan, Russia and Middle East)	7	Blended learning	Google classroom
UNIT -3	**RECRUITMENT & SELECTION**			
3.1	Practices in MNCs – Executive nationality staffing policies – Issues in staff selection	3	Lecture	LCD
3.2	Expatriation selection and repatriation	4	Group Discussion	-
3.3	Training and Development – Expatriate training – Components of effective pre-departure training	5	Problem-based learning	Smart board

UNIT -4	**PERFORMANCE MANAGEMENT**			
4.1	Performance Management – Factors affecting individual performance and appraisal – Criteria used for performance Appraisal of International employees	5	Lecture	White board
4.2	Compensation – Objectives – Key components of international compensation	4	Problem-based learning	Smart board
4.3	Approaches to compensation management	3	Blended learning	Google classroom
UNIT -5	**INDUSTRIAL RELATIONS**			
5.1	Industrial relations – Labour relations policies and practices of multinational films	4	Lecture	LCD
5.2	Industrial relations comparative practices (USA, Japan, India, Europe)	5	Group Discussion	-
5.3	Impact of globalization on Industrial relations	3	Problem-based learning	Smart board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessm

	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	ent
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

C1 – Average of Two Weekly Tests

C2 – Average of Two Monthly Tests

C3 - Mid Sem Test

C4 – Once in a Semester

C5 – Non – Scholastic

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Formulate approaches to IHRM and identify role of HRM in international firms.	K2	PSO1
CO 2	Demonstrate different cultures and its values.	K2, K3	PSO2
CO 3	Plan recruitment & selection practices in MNCs and design T&D components.	K3	PSO3
CO 4	Apply performance appraisal and	K4	PSO4

	compare approaches to Compensation Management.		
CO 5	Assess comparative practices of Industrial relations internationally.	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2

CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

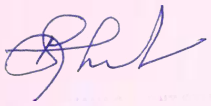
Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena

Forwarded By



(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2024 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MBA	24MBA408D	REVERSE AND CONTRACT LOGISTICS	Major Elective	5	5

COURSE DESCRIPTION

This course emphasizes the reverse and contract logistics in an organisation. The basic concepts such as Closed loop supply chain, management process and supply chain relationships are also discussed in this course.

COURSE OBJECTIVES

To make the students successfully implement a contract logistics and closed supply chain in Retail, FMCG and Automobile sectors.

UNITS

UNIT-I CONTRACT LOGISTICS [12 HRS]

Third party logistics industry overview - A framework for strategic alliances - Evolution of contract logistics - Types of third party logistics providers – Automobile, FMCG and Retail-Third party services and integration

UNIT-II CLOSED LOOP SUPPLY CHAINS AND LOGISTICS [12 HRS]

Introduction closed loop supply chains and logistics – Logistics and closed loop supply chain service - Overview of return logistics and closed loop supply chain models – Introduction product returns - Product Vs Parts returns - Strategic issues in closed loop supply chains

UNIT-III BUSINESS AND MARKET [12 HRS]

Overview - Introduction life cycle management - Trends and opportunities – Auto Warranty management, return process and benchmarks - Market overview - Reasons

for using reverse logistics- General characteristics - Consumer goods Depot repair and value added services - Operating dynamics - Competitive evaluation - Secondary markets and final disposal.

UNIT-IV MANAGING PROCESSES [12 HRS]

Managing processes- Step by step process - Use of third party service providers – Additional factors – Contemporary issues – Make in India and its impact on Countries GDP and Economic Growth.

UNIT-V EMERGING TRENDS [12 HRS]

Emerging trends in Retail, E-Commerce- FMCG and Automobile sectors- Systems and technology - For consumer goods operations, High tech logistics system - Impact and value of advanced logistics

SELF STUDY

Strategic issues in closed loop supply chains

TEXT BOOKS

1.Janat Shah,Supply Chain Management: Text and Cases, Pearson Education India, 2009

REFERENCE BOOKS

1.Coyleet.al,ManagementOfTransportation,7thEdition,CengageLearning,2011

2.D.F.Blumberg,ReverseLogistics&ClosedLoopSupplyChainProcesses,Taylorand Francis, 2005

3.HsinIHsiao,Wageningen,LogisticsOutsourcingintheFoodProcessingIndustry,Academic Pub, 2009.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1.https://wtocentre.iift.ac.in/EU%20BTIA/EU%20BTIA/Report%20on%20Logistic%20Services%20-%20India-EU%20BTIA.pdf

2.https://web.mit.edu/supplychain/www/spiscm/repository/papadop2_0202.pdf

3.https://www.cleo.com/blog/knowledge-base-3pl-third-party-logistics

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**CONTRACT LOGISTICS**			
1.1	Third party logistics industry overview	3	Chalk & Talk	Black Board
1.2	A framework for strategic alliances	3	Chalk & Talk	LCD
1.3	Evolution of contract logistics -	3	Lecture	PPT & White board
1.4	Types of third party logistics providers – Automobile, FMCG and Retail-Third party services and integration	3	Lecture	Smart Board
UNIT -2	**CLOSED LOOP SUPPLY CHAINS AND LOGISTICS**			
2.1	Introduction closed loop supply chains and logistics	1	Lecture	Green Board Charts
2.2	Logistics and closed loop supply chain service	2	Chalk & Talk	Green Board
2.3	Overview of return logistics and closed loop supply chain models	3	PPT	LCD
2.4	Introduction product returns	2	PPT	LCD
2.5	Product Vs Parts returns	2	Chalk & Talk	Black Board
2.6	Strategic issues in closed loop supply chains	2	Flipped Learning	Online/ E-Content/ Text Books
UNIT -3	**BUSINESS AND MARKET**			
3.1	Overview - Introduction life cycle	2	Lecture	PPT & White board

	management			
3.2	Trends and opportunities – Auto Warranty management, return process and benchmarks	2	Lecture	PPT & White board
3.3	Market overview - Reasons for using reverse logistics	2	Chalk & Talk	Black Board
3.4	General characteristics - Consumer goods Depot repair and value added services	2	Chalk & Talk	Black Board
3.5	Operating dynamics	2	Chalk & Talk	Black Board
3.6	Competitive evaluation - Secondary markets and final disposal.	2	Lecture	PPT & White board
UNIT -4	**MANAGING PROCESSES**			
4.1	Managing processes- Step by step process	1	Discussion	Black Board
4.2	Use of third party service providers	2	Chalk & Talk	Black Board
4.3	Additional factors	3	Lecture	PPT & White board
4.4	Contemporary issues	3	Lecture	PPT & White board
4.5	Make in India and its impact on Countries GDP and Economic Growth.	3	Chalk & Talk	Black Board
UNIT -5	**EMERGING TRENDS**			

5.1	Emerging trends in Retail, E-Commerce	3	Discussion	Black Board
5.2	FMCG and Automobile sectors-	3	Chalk & Talk	Black Board
5.3	Systems and technology - For consumer goods operations, High tech logistics system	3	Lecture	PPT & White board
5.4	Impact and value of advanced logistics	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA

Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Introduce the meaning and types of service providers.	K2	PSO1
CO 2	Focus on closed loop supply chain and strategic issues in an organisation	K2	PSO2
CO 3	Insist an importance of supply chain management and its global business applications	K3	PSO3
CO 4	Assess the importance of supply chain relationships and third party logistics	K4	PSO4
CO 5	Emphasis emerging trends in supply chain along with its values	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**

♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr.R.Suganya

Forwarded By

(Dr.P.Shyamala)

HOD'S Signature

& Name

II MBA

SEMESTER –IV

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19MBA410	Managerial Environment	Major Core	2	2

COURSE DESCRIPTION

This practical course on Managerial environment is designed to give practical knowledge to students on the different business environments and analyse the interdependence of various environments.

COURSE OBJECTIVES

This course intends to train students on various corporate environments and its interdependence.

UNITS

UNIT I: INTRODUCTION **[5 HRS]**

Organization and its environment – Systems approach – Social Responsibilities of Business.

UNIT II: TECHNICAL ENVIRONMENT **[5 HRS]**

Features of Technical environment – Impact of Technical environment on business.

UNIT III: EDUCATIONAL ENVIRONMENT **[5 HRS]**

Meaning – Features of Educational Environment – Education system – Relationship between Education and Business.

UNIT IV: SOCIAL & CULTURAL ENVIRONMENT **[5 HRS]**

Meaning of Social Environment – Impact of Social factors affecting Business Environment and strategy – Meaning of Cultural environment – Business culture – Key cultural issues

UNIT V: ECONOMIC & LEGAL ENVIRONMENT [5 HRS]

Meaning of economic environment – Impact of Macro & Micro environment factors on business – Legal environment of business – Impact of Legal factors on Business

SELF STUDY:

Business culture

TEXT BOOK:

1. Cherunilam, Francis, Global Economy and Business Environment, --3rd ed., Mumbai: Himalaya Publishing House, 2013.

REFERENCE BOOKS :

1. Understanding Environment / edited by Kiran B Chhokar,, Mamata Pandya and Meena Raghunathan., New Delhi: Sage Publications India Pvt. Ltd., 2005.
2. Adhikary. M., Economic Environment of Business: Theory and the Indian Case. --12th ed., New Delhi: Sultan Chand & Sons, 2008.

DIGITAL OPEN EDUCATIONAL RESOURCES:

https://www.coursehero.com/file/25307452/3-Managerial-Environment-Notes-v2-1pdf/

https://edoc.unibas.ch/45633/1/Paper_D126.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Organization and its environment – Systems approach	3	Peer-assisted learning	Smart board
1.2	Social Responsibilities of	2	Group	-

	Business		discussion	
UNIT -2	**TECHNICAL ENVIRONMENT**			
2.1	Features of Technical environment	3	Lecture	Green Board Charts
2.2	Impact of Technical environment on business	2	Case study analysis	Mobile learning
UNIT -3	**EDUCATIONAL ENVIRONMENT**			
3.1	Meaning – Features of Educational Environment – Education system	3	Blended learning	Google classroom
3.2	Relationship between Education and Business	2	Problem-based learning	Smart board
UNIT -4	**SOCIAL & CULTURAL ENVIRONMENT**			
4.1	Meaning of Social Environment – Impact of Social factors affecting Business Environment and strategy	3	Case study analysis	Mobile learning
4.2	Meaning of Cultural environment – Business culture – Key cultural issues	2	Peer-assisted learning	Google classroom
UNIT -5	**ECONOMIC & LEGAL ENVIRONMENT**			
5.1	Meaning of economic environment – Impact of Macro & Micro environment factors on business	3	Case study analysis	Mobile learning
5.2	Legal environment of business – Impact of Legal factors on Business	2	Group discussion	-

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%
K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	20
Non Scholastic	5
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC	NON -	MARKS

				SCHOLASTIC			
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
5	**5**	**5**	**5**	**5**	**25**	**25**	**50**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Demonstrate Systems approach to various environments	K2	PSO1
CO 2	Predict technical environment	K2, K3	PSO2
CO 3	Assess educational environment	K3	PSO3
CO 4	Analyze sociological & cultural environment	K4	PSO4
CO 5	Evaluate economic & legal environment	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

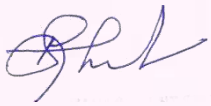
Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. L. Meena



(Dr.P.Shyamala)
HOD'S Signature
& Name

Forwarded By

II MBA

For those who joined in 2021 onwards

PURELY SKILL-EMBEDDED CERTIFICATE COURSE
INTERPERSONAL SKILLS – 21MBAVA01

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	21MBAVA01	Interpersonal Skills	Purely Skill – Embedded Certificate Course	2	1

COURSE DESCRIPTION

This course guides students in self analysis and assessment of others. It helps them in interpersonal effectiveness, team building and assertiveness.

COURSE OBJECTIVES

The course is designed to inculcate effective interpersonal relationship that helps the students to work as a team

UNITS

UNIT I: LISTENING SKILL **[5 HRS]**

Importance of Listening, listening to a process, being an active listener

UNIT II: SPEAKING SKILL **[5 HRS]**

Formal and informal talk, Response after listening, disagreeing while speaking

UNIT III: PRESENTATION SKILL **[5 HRS]**

Importance of presentation, factors influencing good presentation, group presentation, pair presentation, participation in group discussion

UNIT IV: ASSERTIVENESS **[5 HRS]**

Behavioural choices – Direct aggression, indirect aggression, Submissive and Assertive Characteristics of assertiveness

UNIT V: CREATIVE THINKING **[5 HRS]**

Boosting up creative thinking – Management games

SELF STUDY

Factors influencing presentation, characteristics of assertiveness

Reference Books:

1. Brooks, Margret. Skills for Success Listening and speaking. Level 4 Oxford University Press, Oxford:2011
2. Richards, C. Jack. & David Bholke. Speak Now Level 3. Oxford University Press, Oxford: 2010.
3. McGrath S J, E H. Basic Managerial Skills for All. --6th edition. New Delhi: Prentice Hall of India Pvt Ltd, 2007.
4. Mainiero, Lisa A., Developing Managerial Skills in Organizational Behaviour: Exercises, Cases and Readings. --2nd ed. New Delhi: Prentice Hall of India Pvt Ltd, 1999.

DIGITAL OPEN EDUCATIONAL RESOURCES:

4. https://www.researchgate.net/publication/263421616_The_development_of_managerial_skills_in_MBA_programs_A_reconsideration_of_learning_goals_and_assessment_procedures
5. https://www.academia.edu/4358901/managerial_skill_development_pdf?auto=download
6. http://www.ebookbou.edu.bd/Books/Text/SARD/DYDW/module07.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**LISTENING SKILL**			
1.1	Importance of Listening skill	1	Chalk & Talk	Black Board
1.2	Listening as a process	1	Chalk & Talk	LCD
1.3	Listening as a process	1	Lecture	PPT & White board
1.4	Being an active listener	1	Lecture	Smart Board
1.5	Being an active listener	1	Flipped Learning	Online/ E-Content/ Text Books

				/Materials/
UNIT -2	**SPEAKING SKILL**			
2.1	Formal and informal talk	1	Lecture	Green Board Charts
2.2	Formal and informal talk	1	Chalk & Talk	Green Board
2.3	Response after listening	1	PPT	LCD
2.4	Response after listening	1	PPT	LCD
2.5	Disagreeing while speaking	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**PRESENTATION SKILL**			
3.1	Importance of presentation	1	Lecture	PPT & White board
3.2	Factors influencing good presentation	2	Lecture	PPT & White board
3.3	Group presentation, pair presentation, participation in group discussion	2	Chalk & Talk	Black Board
UNIT -4	**ASSERTIVENESS**			
4.1	Behavioural choices	1	Discussio n	Black Board
4.2	Direct aggression	1	Chalk & Talk	Black Board
4.3	Indirect aggression	1	Lecture	PPT & White board
4.4	Submissive and Assertive	1	Lecture	PPT & White board
4.5	Characteristics of	1	Flipped	Online/ E-

	assertiveness		Learning	Content/ Text Books /Materials/ Field Visit/
UNIT -5	**CREATIVE THINKING**			
5.1	Boosting up creative thinking	2	Discussion	Black Board
5.2	Management games	3	Chalk & Talk	Black Board

Levels	**C1**	**C2**	**C3**	**C4**	**Total Scholastic Marks**	**Non Scholastic Marks C5**	**CIA Total**	**% of Assessment**
	5 Mks.	**5 Mks.**	**5 Mks.**	**5 Mks.**	**20 Mks.**	**5 Mks.**	**25 Mks.**	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%
K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	**20**
Non Scholastic	**5**

	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
5	**5**	**5**	**5**	**5**	**25**	**25**	**50**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

****The Average of two will be taken into account***

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL	PSOs

		(ACCORDING TO REVISED BLOOM'S TAXONOMY)	ADDRESSED
CO 1	Demonstrate Listening Process	K2	PSO1
CO 2	Formal and Informal talk	K2, K3	PSO2
CO 3	Group Presentation	K2, K4	PSO3
CO 4	Analyse and practice assertiveness	K2, K3, K5	PSO4
CO 5	Design team development plan.	K2, K3, K4, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2

CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**
♦ Weakly Correlated –**1**

COURSE DESIGNER:

M. Nagarenitha

1. Staff Name: Dr. M.Nagarenitha

(Dr.P.Shyamala)
HOD'S Signature
& Name

MBA

SEMESTER –II

For those who joined in 2021 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	21MBA1ID	Career Management	Interdisciplinary (Offered to MCA Department)	5	5

COURSE DESCRIPTION

This course explores the impact of changing environment in career development. It helps to evaluate the changing career dynamic and its impact.

COURSE OBJECTIVES

This course aims at imparting insights in to career Management.

UNITS

UNIT I: INTRODUCTION **[12 HRS]**

Introduction- Career Developing in a changing Environment-Components of Career Development- Concept of career Anchor-Models of Career Development-Benefits.

UNIT II: CAREER PROGRESSION & COMPETENCY MANAGEMENT **[12 HRS]**

Career Progression-Setting the Baseline for Competency Management-Self-assessment, career awareness, Goal setting, skill development and career management-Compensation and associated Behaviour- Skill set for specific job roles-Developing new capabilities.

UNIT III : CAREER PLAN & TALENT MANAGEMENT **[12 HRS]**

Career Paths-career Transition-Changing Landscape for new employees-Talent Management-On boarding new employees –orientation-Developing new employees.

UNIT IV : CAREER DYNAMICS **[12 HRS]**

Assessing levels of expertise -Employee succession plan-Changing career dynamics and its impact on growing capability-Mentoring for employee development-Dual ladder for career development.

UNIT V: CAREER DEVELOPMENT PLAN **[12 HRS]**

Career Development Plan -Collaborative plan-Experiential plan-Measuring success of career development programs-career development and business strategy.

SELF STUDY:

Changing career dynamics and its impact on growing capability

TEXT BOOKS :

1. Mary Ann Bopp, "Agile Career Development" –IBM Press,2009
2. Sharon.L.Hanna,"Career development by design", Deep and Deep Publications Pvt. Ltd, New Delhi, 2010.

REFERENCE BOOKS :

1. Willam J.Rothwell, "Career Planning and Succession Planing", Prentice Hall International (UK) Ltd, 2009.
2. Devi Vallabhaneri,"A Manager's Career Development Tool", Wiley; 1 edition 2009.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1. https://www.researchgate.net/publication/19176960_Career_management_An_active_process
2. https://web.iima.ac.in/assets/snippets/workingpaperpdf/2004-05-06sunilm.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION**			
1.1	Introduction to Career Developing in a changing Environment	3	Chalk & Talk	Black Board
1.2	Components of Career Development	3	Chalk & Talk	LCD
1.3	Concept of career Anchor	3	Lecture	PPT & White board

1.4	Models of Career Development &its Benefits	3	Lecture	Smart Board
UNIT -2	**CAREER PROGRESSION & COMPETENCY MANAGEMENT**			
2.1	Career Progression	2	Lecture	Green Board Charts
2.2	Setting the Baseline for Competency Management	3	Chalk & Talk	Green Board
2.3	Self-assessment, career awareness, Goal setting, skill development and career management	3	PPT	LCD
2.4	Compensation and associated Behaviour- Skill set for specific job roles	2	PPT	LCD
2.5	Developing new capabilities.	2	Flipped Learning	Online/ E-Content
UNIT -3	**CAREER PLAN & TALENT MANAGEMENT**			
3.1	Career Paths & career Transition	2	Lecture	PPT & White board
3.2	Changing Landscape for new employees	3	Lecture	PPT & White board
3.3	Talent Management	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
3.4	On boarding new employees	2	Chalk &	Black

			Talk	Board
3.5	Orientation & Developing new employees	2	Chalk & Talk	Black Board
UNIT -4 CAREER DYNAMICS				
4.1	Assessing levels of expertise	2	Discussion	Black Board
4.2	Employee succession plan	2	Chalk & Talk	Black Board
4.3	Changing career dynamics and its impact on growing capability	3	Lecture	PPT & White board
4.4	Mentoring for employee development	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
4.5	Dual ladder for career development.	3	Chalk & Talk	Black Board
UNIT -5 CAREER DEVELOPMENT PLAN				
5.1	Career Development Plan	3	Discussion	Black Board
5.2	Collaborative plan & Experiential plan	3	Chalk & Talk	Black Board
5.3	Measuring success of career development programs	3	Lecture	PPT & White board
5.4	Career development and business strategy	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/

				Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**
  K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTRN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

•

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts & Components of career development	K2	PSO1
CO 2	Analyse the career progression and the baseline for competency management	K2, K3	PSO2
CO 3	Assess the career paths and talent management	K3	PSO3
CO 4	Evaluating the changing career dynamic and its impact	K4	PSO4
CO 5	Discuss the various career development plan	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2

CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

2. Staff Name: Ms.B.Usha

(Dr.P.Shyamala)

HOD'S Signature

& Name

MBA

SEMESTER –IV

For those who joined in 2021 onwards

PROGRAMME	COURSE	COURSE	CATEGORY	HRS/	CREDITS

CODE	CODE	TITLE		WEEK	
MBA	21MBA2ID	Human Resource Information System	Interdisciplinary (Offered to MCA Department)	5	5

COURSE DESCRIPTION

This course focuses at enhancing the knowledge on integration of HR and information technology. It helps the students to integrate information system with functional areas of HR.

COURSE OBJECTIVES

This course aims at imparting students knowledge on the integration of HR principles and information technology.

UNITS

UNIT I : INTERFACE BETWEEN HR & IT [12 HRS]

Introduction-Interface between HR & IT- Data, Information, and Database-HRIS Model-Benefits-HRIS needs-Planning and Analysis-Components using System Development Life cycle.

UNIT II : LOGICAL PROCESS MODELLING [12 HRS]

Logical design-Logical process Modeling-Data flow diagram-Physical design-System feasibility- HRIS Cost Benefit Analysis-Estimating Sources and time-Methods.

UNIT III : ISSUES OF HRIS [12 HRS]

HRIS implementation issues- Models of Change Process-System failure-Organisation and Individual issues

UNIT IV : FUNCTIONAL AREAS OF HR. [12 HRS]

HRIS and Functional Areas of HR-Job analysis and HR Planning-Recruitment and Selection technology-Training and development-Strategic Implementation.

UNIT V: PERFORMANCE MANAGEMENT [12 HRS]

Performance Management-Compensation-HR progress in Global organization-Role of HR in Information Security

SELF STUDY

Role of HR in Information Security.

TEXT BOOK:

2. Michael J.Kavanagh and Mahan Thite, HRIS, Sage Publications,2008

REFERENCE BOOKS:

3. J. Allen Doran ,HRM System-A Practical Approach, Carswell Legal Pubns; 2 edition 1, 1999
4. P.K. Gupta Susheel Chbabra, HRIS, Himalaya Publishers,2008

DIGITAL OPEN EDUCATIONAL RESOURCES:

3. https://nscpolteksby.ac.id/ebook/files/Ebook/Business%20Administration/ARMSTRONGS%20HANDBOOK%20OF%20HUMAN%20RESOURCE%20MANAGEMENT%20PRACTICE/62%20-%20HR%20Information%20Systems.pdf
4. https://nscpolteksby.ac.id/ebook/files/Ebook/Business%20Administration/ARMSTRONGS%20HANDBOOK%20OF%20HUMAN%20RESOURCE%20MANAGEMENT%20PRACTICE/62%20-%20HR%20Information%20Systems.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTERFACE BETWEEN HR & IT**			
1.1	Introduction to HRIS	3	Chalk & Talk	Black Board
1.2	Interface between HR & IT.	2	Chalk & Talk	LCD
1.3	Data, Information, and Database-	2	Lecture	PPT & White board
1.4	HRIS Model-Benefits	2	Lecture	Smart Board

1.5	HRIS needs	1	Lecture	Black Board
1.6	Planning and Analysis	1	Discussion	Google classroom
1.7	Components using System Development Life cycle	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**LOGICAL PROCESS MODELLING**			
2.1	Logical design	1	Lecture	Green Board
2.2	Logical process Modeling	2	Chalk & Talk	Green Board
2.3	Data flow diagram-Physical design & System feasibility	3	PPT	LCD
2.4	HRIS Cost Benefit Analysis	3	PPT	LCD
2.5	Methods of Estimating Sources and time	3	Chalk & Talk	Black Board
UNIT -3	**ISSUES OF HRIS**			
3.1	HRIS implementation issues	3	Lecture	PPT & White board
3.2	Models of Change Process	3	Lecture	PPT & White board
3.3	System failure	3	Chalk & Talk	Black Board
3.4	Organisation and Individual issues	3	Chalk & Talk	Black Board
UNIT -4	**FUNCTIONAL AREAS OF HR**			
4.1	HRIS and Functional Areas of	2	Discussion	Black

	HR			Board
4.2	Job analysis.	2	Chalk & Talk	Black Board
4.3	HR Planning-Recruitment and Selection technology	3	Lecture	PPT & White board
4.4	Training and development	3	Lecture	PPT & White board
4.5	Strategic Implementation	2	Discussion	Black Board
UNIT -5 PERFORMANCE MANAGEMENT				
5.1	Performance Management	3	Discussion	Black Board
5.2	Compensation	3	Chalk & Talk	Black Board
5.3	HR progress in Global organization	3	Lecture	PPT & White board
5.4	Role of HR in Information Security	3	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5 =10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-

K2	**-**	**5**	**5**	**2.5**	**12.5**		**12.5**	**25%**
K3	**5**	**-**	**-**	**5**	**10**		**10**	**20%**
K4	**5**	**5**	**-**	**2.5**	**12.5**		**12.5**	**25%**
K5	**-**	**5**	**5**	**-**	**10**		**10**	**20%**
Non Scholastic	**-**	**-**	**-**	**-**	**-**	**5**	**5**	**10 %**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100 %**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				**NON - SCHOLASTIC**	**MARKS**		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment/Open Book Test	2	-	10 Mks

C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline information about interface between HR & IT.	K2	PSO1
CO 2	Discuss the logical process modelling.	K2, K3	PSO2
CO 3	Analyse the various issues of HRIs	K3	PSO3
CO 4	Asses HRIs & Functional Areas of HR.	K4	PSO4
CO 5	Evaluate performance and compensating management in organisation	K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2

CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated –**1**

COURSE DESIGNER:

1. Staff Name: Dr. B. Jayanthi

2. Staff Name: Ms.P.Nancy Vincentina Mary

(Dr.P.Shyamala)

HOD'S Signature

& Name

MBA

VALUE ADDED COURSES

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19PGVAMBA1	Corporate Etiquette	Value Added Course	3	2

COURSE DESCRIPTION

The crash course is offered by MBA Department as "Corporate Etiquette" is viewed with the objective of inculcating varied etiquettes expected in the corporate work place and enhance modern day etiquettes. The etiquettes related to communication, job interview, office gossip, social media and networking netiquettes are insisted in this course. The skills related to enhancement and handling up of issues related to social media networking and cross cultural issues are discussed and strategies to handle also educated through this crash course.

COURSE OBJECTIVES

To inculcate varied etiquettes expected in the corporate work place and enhance modern day etiquettes.

UNITS

UNIT-I WORKPLACE COMMUNICATION [6 HOURS]

Communication etiquettes in the workplace – Focus on the person – Listening – Timing – Right delivery – Two-way communication – Power of words.

UNIT- II INTERVIEW AND ITS TECHNIQUES [6 HOURS]

Job Interview etiquettes – Rehearse – Research – Body language – Dress-code – Handshakes & smile – Ask queries – Thank you letters.

UNIT-III GOSSIPPING [6 HOURS]

Office Gossip etiquettes – Steps to minimize Gossips at the office: Talk to the person directly, Do's during gossips about others, Do's during gossips about self.

UNIT-IV PERSONAL AND SOCIAL MEDIA [6 HOURS]

Social Media etiquettes – Complete self-information – Different accounts for personal connections – Offering valuable & relevant information – Representative screen name – Compose posts without mistakes.

UNIT-V NETWORKING ANDF RELATIONSHIP [6 HOURS]

Networking etiquettes – Right introduction – Balanced handshakes - Polite conversation – Swapping business cards – Follow-up communication.

SELF STUDY

Polite Conversation

TEXT BOOK

Dan J. Bye, Guide to Business Etiquette, Prentice Hall, Boston, 2011.

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**WORKPLACE COMMUNICATION**			
1.1	Communication etiquettes in the workplace	1	Chalk & Talk	Black Board
1.2	Focus on the person	1	Chalk & Talk	LCD
1.3	Listening	2	Lecture	PPT & White board
1.4	Timing - Right delivery	1	Lecture	Smart Board
1.5	Two-way communication – Power of words	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**INTERVIEW AND ITS TECHNIQUES**			
2.1	Job Interview etiquettes	1	Lecture	Green Board Charts
2.2	Rehearse – Research	1	Chalk & Talk	Green Board
2.3	Body language	1	PPT	LCD
2.4	Dress-code – Handshakes & smile	1	PPT	LCD
2.5	Ask queries – Thank you letters	2	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -3	**GOSSIPPING**			
3.1	Office Gossip etiquettes	2	Lecture	PPT & White board
3.2	Steps to minimize Gossips at the office	2	Lecture	PPT & White board

3.3	Talk to the person directly, Do's during gossips about others, Do's during gossips about self	2	Chalk & Talk	Black Board
UNIT -4	**PERSONAL AND SOCIAL MEDIA**			
4.1	Social Media etiquettes	1	Discussion	Black Board
4.2	Complete self-information – Different accounts for personal connections	1	Chalk & Talk	Black Board
4.3	Offering valuable & relevant information	2	Lecture	PPT & White board
4.4	Representative screen name	1	Lecture	PPT & White board
4.5	Compose posts without mistakes	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -5	**NETWORKING ANDF RELATIONSHIP**			
5.1	Networking etiquettes – Right introduction – Balanced handshakes -	3	Discussion	Black Board
5.2	Polite conversation – Swapping business cards – Follow-up communication	3	Chalk & Talk	Black Board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%

K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	**20**
Non Scholastic	**5**
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
5	**5**	**5**	**5**	**5**	**25**	**25**	**50**

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Frame out the Communication etiquettes in the workplace.	K2	PSO1
CO 2	Sketch out the Job Interview etiquettes along with corporate strategies	K2, K3	PSO2
CO 3	Asses the various Office Gossip etiquettes.	K2, K4	PSO3
CO 4	Emphasis on process of Social Media etiquettes and its impact.	K2, K3, K5	PSO4
CO 5	Focus on the techniques and applications of Networking etiquettes.	K2, K3, K4, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3

CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**
♦ Weakly Correlated –**1**

COURSE DESIGNER:

1. Staff Name: Dr.N.Asha

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

MBA

VALUE ADDED COURSES

For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	19PGVAMBA2	Disaster Management	Value Added Course	3	2

COURSE DESCRIPTION

This course helps the students to explore and inculcating skills to manage disaster and crisis.

COURSE OBJECTIVES

To course aims at inculcating skills for students to manage disaster & crisis

UNITS

UNIT I: OVERVIEW OF NATURAL DISASTER MANAGEMENT [6 HRS]

Natural Disaster Management - Drought-Earth quake-flood-Land slide-Tsunami-case studies.

UNIT II: SKILL DEVELOPMENT FOR DISASTER MANAGEMENT [6 HRS]

Skill Development for Disaster management - Team building- types of team building –team behaviour-problem solving-conflict management-characteristics, positive thinking

UNIT III: STEPS IN PROJECT RESCUE [6 HRS]

Project Rescue - Decision making-cross functional; interdependence – constraint management.

UNIT IV: LEADER'S ROLE IN EMOTIONAL INTELLIGENCE [6 HRS]

Leader's Role - Emotional-practical-logical-rational-emotional intelligence-testing EQ.

UNIT V: ETHICS AND SOCIAL RESPOSIBILITY [6 HRS]

Ethics and social responsibility - Tough job-activity-high performing time-corporate social responsibility- Role of government, NGO, corporates-case studies.

SELF STUDY:

Role of government

TEXT BOOK

1. Sundar, I.,Disaster Management / I Sundar and T Sezhiyan. ,New Delhi: Sarup & sons, 2007.

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**OVERVIEW OF NATURAL DISASTER MANAGEMENT**			
1.1	Natural Disaster Management	1	Chalk & Talk	Black Board
1.2	Drought	1	Chalk & Talk	LCD
1.3	Earth quake	1	Lecture	PPT & White board
1.4	flood	2	Lecture	Smart Board
1.5	Land slide-Tsunami-case studies	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/
UNIT -2	**SKILL DEVELOPMENT FOR DISASTER MANAGEMENT**			
2.1	Skill Development for Disaster management	1	Lecture	Green Board Charts
2.2	Team building	1	Chalk & Talk	Green Board
2.3	Types of team building	1	PPT	LCD
2.4	Team behaviour-problem solving	2	PPT	LCD
2.5	Conflict management-characteristics, positive thinking	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/

UNIT -3	**STEPS IN PROJECT RESCUE**			
3.1	Project Rescue	2	Lecture	PPT & White board
3.2	Decision making- cross functional	2	Lecture	PPT & White board
3.3	Interdependence – constraint management	2	Chalk & Talk	Black Board
UNIT -4	**LEADER'S ROLE IN EMOTIONAL INTELLIGENCE**			
4.1	Leader's Role	1	Discussio n	Black Board
4.2	Emotional	1	Chalk & Talk	Black Board
4.3	Practical-logical-rational	1	Lecture	PPT & White board
4.4	Emotional intelligence	1	Lecture	PPT & White board
4.5	Testing EQ	1	Flipped Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
UNIT -5	**ETHICS AND SOCIAL RESPOSIBILITY**			
5.1	Ethics and social responsibility	3	Discussion	Black Board
5.2	Tough job-activity-high performing time-corporate social responsibility- Role of government, NGO, corporate -case studies	3	Chalk & Talk	Black Board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%
K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	20
Non Scholastic	5
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
5	5	5	5	5	25	25	50

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline an overview of Natural Disaster Management	K2	PSO1
CO 2	Assess the skill development for disaster Management	K2, K3	PSO2
CO 3	Discuss the steps in project rescue	K2, K4	PSO3

CO 4	Analyze the Leader's Role in emotional intelligence	K2, K3, K5	PSO4
CO 5	Examine the ethics and social responsibility	K2, K3, K4, K5	PSO5

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**
♦ Weakly Correlated –**1**

COURSE DESIGNER:

R.Suganya

1. Staff Name: Dr. R.Suganya

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

MBA

VALUE ADDEDCOURSES

(for those who joined in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MBA	24PGVAMBA3	Counselling & Guidance	Value Added Course	3	2

COURSE DESCRIPTION

This course focuses on inculcating knowledge about the importance of Counselling and the various areas involved in counselling. It also gives in depth views about guidances to the students and relaxation techniques for their personal development. It helps the student to develop the counselling skills.

COURSE OBJECTIVES

This Course intends at inculcating / imparting knowledge about application of Counselling and Guidance among students.

UNITS

UNIT-I INTRODUCTION TO COUNSELING [6 HOURS]

Meaning and importance of counselling. Areas of counselling- Family counselling, Parental counselling, Peer counselling, Marriage counselling .

UNIT-II DEALING WITH BEHAVIORAL PROBLEMS [6 HOURS]

Dealing behavioral problems like aggression, anxiety, depression, truancy, delinquency, bullying, peer-pressure and inferiority complexes

UNIT-III RELAXATION STRATEGIES [6 HOURS]

Types of relaxation strategies- Yoga, meditation, music therapies for reducing stress.

UNIT-IV INTRODUCTION TO GUIDANCE [6 HOURS]

Conceptual framework of Guidance: Meaning, Nature, Goals and Objectives, Principles of Guidance.

UNIT-V TYPES OF GUIDANCE [6 HOURS]

Types of guidance- Educational, vocational and Personal - functions. Practical Analysis and case study on problems faced by students

SELF STUDY

Behavioral problems

TEXT BOOK

1. Prabha Sharma: Career Guidance and Counselling, Principles and techniques, New Delhi,

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	**INTRODUCTION TO COUNSELING**			
1.1	Meaning & Characteristics of counselling	1	Chalk & Talk	Black Board
1.2	Areas of counselling	1	Chalk & Talk	LCD
1.3	Parental counselling, Peer counselling	2	Lecture	PPT & White board

1.4	Marriage counselling	2	Lecture	Smart Board
UNIT -2	**DEALING WITH BEHAVIORAL PROBLEMS**			
2.1	Dealing behavioral problems	1	Lecture	Green Board Charts
2.2	aggression, anxiety	2	Chalk & Talk	Green Board
2.3	Depression, truancy, delinquency	2	PPT	LCD
2.4	peer-pressure and inferiority complexes	1	PPT	LCD
UNIT -3	**RELAXATION STRATEGIES**			
3.1	Role of relaxation strategies	2	Lecture	PPT & White board
3.2	Yoga ,meditation	2	Lecture	PPT & White board
3.3	music therapies for reducing stress.	2	Chalk & Talk	Black Board
UNIT -4	**INTRODUCTION TO GUIDANCE**			
4.1	Conceptual framework of Guidance	2	Discussion	Black Board
4.2	Meaning, Nature, Goals and Objectives	2	Chalk & Talk	Black Board
4.3	Principles of Guidance	2	Lecture	PPT & White board
UNIT -5	**TYPES OF GUIDANCE**			
5.1	Types of guidance	2	Discussion	Black Board
5.2	Educational, vocational and Personal - functions	2	Chalk & Talk	Black Board

5.3	Analysis and case study on problems faced by students	2	Lecture	PPT & White board

COURSE CONTENTS & LECTURE SCHEDULE:

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	5 Mks.	5 Mks.	5 Mks.	5 Mks.	20 Mks.	5 Mks.	25 Mks.	
K1	-	-	-	-	-	-	-	-
K2	5	-	-	-	5	-	5	20%
K3	-	5	-	-	5	-	5	20%
K4	-	-	5	-	5	-	5	20%
K5	-	-	-	5	5	-	5	20%
Non Scholastic	-	-	-	-	-	5	5	20%
Total	5	5	5	5	20	5	25	100 %

CIA	
Scholastic	20
Non Scholastic	5
	25

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MBA are :**

K2-Understand, **K3**-Apply, **K4**-Analyse, **K5**-Evaluate

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
5	5	5	5	5	25	25	50

- **CIA Components**

			Nos		
C1	-	Test (CIA 1)	2*	-	5 Mks
C2	-	Test (CIA 2)	1	-	5 Mks
C3	-	Assignment/Open Book Test	2	-	5 Mks
C4	-	Seminar	1	-	5 Mks
C5	-	Attendance	1	-	5 Mks

The Average of two will be taken into account

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Outline the concepts of Counselling & Guidance	K2	PSO1
CO 2	Analyze Concept of mental health and behavior modification.	K2, K3	PSO2
CO 3	Discuss the Types of relaxation strategies	K2, K4	PSO3
CO 4	Evaluate the Conceptual framework of Guidance	K2, K3, K5	PSO4
CO 5	Explain the Types of guidance	K2, K3, K4,	PSO5

		K5	

Mapping of COs with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	2	2
CO4	2	2	2	3	2
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	2	3	2	3	3
CO5	2	2	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ ModeratelyCorrelated – **2**
♦ WeaklyCorrelated –**1**

COURSE DESIGNER:

1. Staff Name: Dr.B.Jayanthi

Forwarded By

(Dr.P.Shyamala)
HOD'S Signature
& Name

FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with "A++" Grade by NAAC (4th Cycle)

Maryland, Madurai- 625 018, Tamil Nadu, India

NAME OF THE DEPARTMENT : DEPARTMENT OF MCA

NAME OF THE PROGRAMME : MCA

PROGRAMME CODE : MCA

ACADEMIC YEAR : 2024 – 2026

VISION

Being women of communion, contemplative and prophetic, empower women and children through faith formation and value-based education for societal equality, harmony and to care for our common home.

MISSION

To energize Women and Children towards Academic excellence through Quality Education. To endow them with character, competence, creativity & commitment. To enkindle in them inclusive love, building fraternal communities and stand for the cause of those at the periphery with compassion.

VISION OF THE DEPARTMENT

To Empower women by providing them unique learning experience with ethical values in computer applications to meet the industrial standards and societal expectations.

MISSION OF THE DEPARTMENT

- Training in the cutting edge technologies to adapt to the Dynamic IT world
- Promoting a learning community in a supportive and caring environment that lead students to successfully complete their goals
- Build up Leadership traits among students
- Craft responsible Computer Professionals with strong Moral Values

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1	**Subject Proficiency -** Our graduates will be academic, digital and information literates, creative, inquisitive, innovative and desirous for the "more" in all aspects
PEO 2	**Professional Growth -** They will be efficient individual and team performers, exhibiting progress, flexibility, transparency and accountability in their professional work
PEO 3	**Managerial Skills** - The graduates will be effective managers of all sorts of real – life and professional circumstances, making ethical decisions, pursuing excellence within the time framework and demonstrating apt leadership skills
PEO 4	**Needs of the Society-** They will engage locally and globally evincing social and environmental stewardship demonstrating civic responsibilities and employing right skills at the right moment.

PROGRAMME OUTCOMES (PO)

The learners would be able to

PO 1	Apply the knowledge of computing maths and science for the solution of problems and requirements
PO 2	Identify, critically analyze, formulate and develop computer applications using fundamental principles of relevant domain disciplines
PO 3	Design and evaluate solutions for computer based problems to meet the desired needs within realistic constraints such as safety, security and applicability
PO 4	Use research based knowledge to conduct experiments and interpret data to attain well-defined conclusions.
PO 5	Create, select and apply modern computing tools by understanding the limitations, with dexterity.
PO 6	Demonstrate the competency in programming skills as per industry expectations.
PO 7	Understand the impact of system solutions in societal, environmental and cultural issues within local and global contexts for sustainable development
PO 8	Commit to professional ethics and cyber regulations, responsibilities & norms.
PO 9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary environment to manage projects.
PO 10	Communicate effectively with the society about computing technologies.
PO 11	Demonstrate knowledge and understanding of the management principles and apply these to manage projects.
PO 12	Appreciate the importance of goal setting and to recognize the need for life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSO)

On completion of MCA programme, the graduates would be able to

PSO 1	Ability to design and develop applications in the computing discipline to meet the customer's business objectives.
PSO 2	Ability to Integrate various system components to provide user interactive solutions for various challenges
PSO 3	Ability to test and maintain the software applications with latest computing tools and technologies.
PSO 4	Ability to understand the evolutionary changes in the practices and strategies in software project development.
PSO 5	Ability to enhance teamwork and leadership skills to solve time critical problems

FATIMA COLLEGE (AUTONOMOUS), MADURAI-18

DEPARTMENT OF MCA

MCA

(For those who joined in June 2024 onwards)

MAJOR CORE – 112 CREDITS

PROGRAMME CODE : MCA

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
SEMESTER – I						
24MCA101	Discrete Mathematics	4	4	50	50	100
23MCA102	Relational Database Management System	4	4	50	50	100
20MCA103	Operating Systems	4	4	50	50	100
23MCA104	Programming in Python	4	4	50	50	100
*	**Elective I – Specialization**	**4**	**4**	**50**	**50**	**100**
23MCA105	Lab I - RDBMS	6	3	50	50	100
23MCA106	Lab II – Python Programming	6	3	50	50	100
20MCA107	Skill Based Lab I–Linux	2	1	25	25	50
20MCA108	Soft Skills I- Professional Communication	2	2	25	25	50
20MCA109	Comprehensive Viva - I	-	1	-	50	50
	Total Credits		**30**			**850**
SEMESTER – II						
20MCA201	Data Structures and Algorithms	4	4	50	50	100
23MCA202	Computer Networks & Communication	4	4	50	50	100
23MCA203	Programming in Java	4	4	50	50	100
*	**Elective II – Specialization**	4	4	50	50	100
*	**Elective I – General**	4	4	50	50	100

20MCA204	Lab III – Web Technologies	6	3	50	50	100
23MCA205	Lab IV- Java Programming	6	3	50	50	100
24MCA206	Skill Based Lab II – Mobile App Design	2	1	25	25	50
20MCA207	Soft Skills II- Aptitude Training	2	2	25	25	50
20MCA208	Comprehensive Viva - II	1	1	-	50	50
	Total Credits		**30**			**850**
SEMESTER – III						
20MCA301	Internship & Mini Project	-	6	50	50	100
24MCA302	Software Engineering Principles	4	4	50	50	100
24MCA303	Cloud Computing	4	4	50	50	100
23MCA304	Application Development Frameworks	4	4	50	50	100
*	**Elective III– Specialization**	4	4	50	50	100
*	**Elective II-General**	4	4	50	50	100
23MCA305	Lab V - Full Stack Development	6	3	50	50	100
23MCA306	Lab VI - Application Development Frameworks	6	3	50	50	100
24MCA307	Skill Based Lab III – Domain Study	2	1	25	25	50
20MCA308	Soft Skill III- Interpersonal Skills for Corporate Readiness	2	2	25	25	50
20MCA309	Comprehensive Viva - III	-	1	-	50	50
	Total Credits		**36**			**950**
SEMESTER – IV						
*	**Elective III – General (Self Learning)**	4	4	50	50	100
20MCA401	Project *Viva Voce*	-	12	100	100	200
	Total Credits		**16**			**300**
	Total Credits		**112**			**2950**

ELECTIVES

SPECIALIZATION ELECTIVE – DATA ANALYTICS

S.NO	SEMESTER	COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
1.	I	20MCADA01	Data Mining Techniques	4	4	50	50	100
2.	I	20MCADA02	Data Analytics and Visualization using Spreadsheets	4	4	50	50	100
3.	II	20MCADA03	Big Data Analytics	4	4	50	50	100
4.	II	20MCADA04	Data Analytics Tools & Techniques	4	4	50	50	100
5.	III	20MCADA05	Business Analytics Using R	4	4	50	50	100
6.	III	20MCADA06	Big Data Security	4	4	50	50	100

SPECIALIZATION ELECTIVE – DISTRUIBUTED SYSTEM SECURITY

S.NO	SEMESTER	COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
1.	I	23MCADS01	Distributed Systems	4	4	50	50	100
2.	I	23MCADS02	Secured Wireless Communication	4	4	50	50	100
3.	II	20MCADS03	Cryptography & Network Security	4	4	50	50	100
4.	II	24MCADS04	Cyber Security	4	4	50	50	100
5.	III	20MCADS05	Cloud Security	4	4	50	50	100
6.	III	23MCADS06	Web Security	4	4	50	50	100

SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING

S.NO	SEMESTER	COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
1.	I	20MCAAM01	Artificial Intelligence & Expert System	4	4	50	50	100
2.	I	20MCAAM02	Soft Computing	4	4	50	50	100
3.	II	23MCAAM03	Machine Learning	4	4	50	50	100
4.	II	20MCAAM04	Neural Networks	4	4	50	50	100
5.	III	20MCAAM05	Human Computer Interaction	4	4	50	50	100
6.	III	20MCAAM06	Deep Learning	4	4	50	50	100

GENERAL ELECTIVES

S.NO	COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
1.	23MCAGE01	E Content Development	4	4	50	50	100
2.	20MCAGE02	Financial Management and Accounting	4	4	50	50	100
3.	24MCAGE03	Organizational Behaviour	4	4	50	50	100
4.	20MCAGE04	E-Commerce	4	4	50	50	100
5.	24MCAGE05	Professional Ethics	4	4	50	50	100
6.	20MCAGE06	Resource Management Techniques	4	4	50	50	100
7.	20MCAGE07	Entrepreneurship Development	4	4	50	50	100
8.	23MCAGE08	Principles of Artificial Intelligence	4	4	50	50	100
9.	20MCAGE09	Research Methodology	4	4	50	50	100
10.	20MCAGE10	Digital Image Processing	4	4	50	50	100
11.	24MCAGE11	Integrated Web Development	4	4	50	50	100
12.	20MCAGE12	Agile Software Engineering	4	4	50	50	100
13.	23MCAGE13	Internet & Web Designing	4	4	50	50	100
14.	23MCAGE14	Foundation of Data Science	4	4	50	50	100
15.	24MCAGE15	Block Chain Technology	4	4	50	50	100

Note: All the General Elective Courses are offered through all the semesters of the programme

ADD - ON COURSES

Sub. Code	Courses	Hrs.	Credits	Semester in which the course is offered	CIA Mks	ESE Mks	Total Marks
20MCA109	Comprehensive Viva - I	-	1	I	-	50	50
20MCA208	Comprehensive Viva - II	-	1	II	-	50	50
20MCA309	Comprehensive Viva - III	-	1	III	-	50	50
	TOTAL		3				150

EXTRA CREDIT COURSES (FOR ADVANCED LEARNERS)

Course. Code	Courses	Hrs.	Credits	Semester in which the course is offered	CIA Mks	ESE Mks	Total Marks
20MCAAL01	**INTERNET OF THINGS (Self Learning Course))**	-	2	IV	50	50	100
	MOOC COURSES / International Certified online Courses(Department Specific Courses/any other courses) * Students can opt other than the listed course from UGC-SWAYAM /UGC /CEC	-	Minimum 2 Credits	I - IV	-	-	-

INTERDISCIPLINARY EXTRA CREDIT COURSES

(FOR ADVANCED LEARNERS- (For MBA students)

Course. Code	Courses	Hrs.	Credits	Semester in which the course is offered	CIA Mks	ESE Mks	Total Marks
21MCA2SL	**INFORMATION TECHNOLOGY FOR MANAGEMENT (Self Learning Course))**	-	4	I-II	50	50	100
21MCA4SL	**WEB ANALYTICS (Self Learning Course))**	-	4	III-IV	50	50	100

- **Lab Courses :**
  - A range of 10-15 experiments per semester

- **Summer Internship:**
  - Duration-1 month (2nd Week of May to 2nd week of June-before college reopens)
- **Project**
  - Off class
  - Evaluation components-Report writing + Viva Voce + Internal marks-50 + External marks 50
- **Interdisciplinary & Self Learning Courses**
  - Internal Evaluation through presentation
  - External Evaluation through Exam
  - Interdisciplinary courses offered to the MBA students.

I MCA

SEMESTER – I

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	24MCA101	DISCRETE MATHEMATICS	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides the logical, analytical and mathematical concepts that are fundamental for Computer Science.

COURSE OBJECTIVE

- To introduce the concept of propositional and predicate logic and their applications.
- To know the concepts of relations
- To know and solve matrices , rank of matrix & characteristic equations
- To study the graphs and its types

- To inculcate logical thinking and promote arithmetic knowledge

UNIT- I MATHEMATICAL LOGIC (12 Hours)

Introduction – Propositional calculus – Propositional variables and constants – Logical connectives and compound proposition – Basic Logical Operations - Conjunction – Disjunction – Negation – Derived Connectives – Statements generated by a set – Conditional Statements – Converse, Inverse and Contra-positive Statements – Converse Statements – Inverse Statements – Contra-positive Statements - Bi conditional statements - Negation of Bi Conditional Statements – Tautologies & Contradictions – Arguments - Quantifiers- Universal Quantifiers- Existential Quantifiers

SELF STUDY: Bi conditional statements - Negation of Bi Conditional Statements

UNIT- II RELATIONS AND FUNCTIONS (12 Hours)

Relations- Binary relations-Operations on relations- properties of binary relations in a set – Equivalence relations–– Representation of a relation by a matrix -Representation of a relation by a digraph

Functions-Functions-Definition and examples-Classification of functions - Composition of functions-Inverse function

SELF STUDY: Equivalence relations

UNIT – III SET THEORY (12 Hours)

Introduction – Set and its elements –Standard Sets and Symbols – Set Description– Cardinal number of a set – Types of Sets - Venn – Euler diagram – Set Operations and Laws of Set Theory – Union of Sets – Intersection of Sets – Disjoint Sets – Difference of Two Sets – Complement of a Set – Distributive Laws – De Morgan's Laws

SELF STUDY: Standard Sets and Symbols

UNIT – IV MATRICES 12 Hours)

MATRICES

Introduction – Algebra of Matrices – Types of Matrices- Rank of a Matrix –Inverse of Matrix – Cayley Hamilton - Eigen Values and Eigen Vectors (Only Problems)

SELF STUDY: Algebra of Matrices

UNIT–V GRAPH THEORY **(12 Hours)**

Basic concepts of Graphs, Sub Graphs, Matrix Representation of Graphs, Isomorphic graphs, Paths and Circuits – Eularian Graphs – Hamiltonian Graphs – Planar Graphs – Euler's Formula – Regular & Bipartite Graphs – Trees - Properties of trees - Spanning trees

SELF STUDY: Regular & Bipartite Graphs

REFERENCES:

1.N.Chandrasekaran and M.Umaparvathi, "Discrete mathematics ", PHI Learning Private Limited, New Delhi, 2010.

2. Kimmo Eriksson &Hillevi Gavel, Discrete Mathematics & Discrete Models, Student literature AB, 2015.

3. Kenneth H. Rosen Discrete Mathematics and applications, Mc Graw Hill, 2012

4. J.K. Sharma, "Discrete Mathematics", Laxmi Publications, 4th Edition , 2018. 5. Dr.S.Arumugam, A.T.Isaac, "Modern Algebra", SciTech Publications India Pvt. Ltd, 2015

6. NarsinghDeo, "Graph Theory ". Prentice Hall of India, Reprint 2012.

WEB REFERENCES:

1. www.britannica.com/science/set-theory
2. https://www.khanacademy.org/math/precalculus/precalc-matrices

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1- MATHEMATICAL LOGIC				
1.1	Introduction – Propositional calculus - Propositional variables and constants	1	Lecture	Black Board
1.2	Logical connectives and compound proposition – Basic Logical Operations - Conjunction – Disjunction – Negation	2	Chalk & Talk	White board
1.3	Statements generated by a set – Conditional Statements	1	Chalk & Talk	Black Board
1.4	Converse, Inverse and Contra-positive Statements	2	Chalk & Talk	Black Board
1.5	Converse Statements – Inverse Statements- Contra-positive Statements	2	Chalk & Talk	Black Board
1.6	Bi conditional statements - Negation of Bi Conditional Statements	2	Chalk & Talk	White board
1.7	Tautologies & Contradictions – Arguments - Quantifiers- Universal Quantifiers- Existential Quantifiers	2	Chalk & Talk	White board
UNIT 2 - RELATIONS AND FUNCTIONS				
2.1	Relations- Binary relations - Operations on relations	2	Chalk & Talk	Black Board
2.2	Properties of binary relations in a set - Equivalence relations	2	Chalk & Talk	Black Board
2.3	Representation of a relation by a matrix - Representation of a relation by a digraph	3	Chalk & Talk	Black Board
2.4	Functions-Definition and examples- Classification of functions	2	Chalk & Talk	Black Board

2.5	Composition of functions-Inverse function	3	Chalk & Talk	Black Board
UNIT 3 - SET THEORY				
3.1	Introduction – Set and its elements	1	Chalk & Talk	Black Board
3.2	Standard Sets and Symbols – Set Description	1	Chalk & Talk	Black Board
3.3	Cardinal number of a set – Types of Sets	1	Chalk & Talk	Black Board
3.4	Venn – Euler diagram	2	Chalk & Talk	Black Board
3.5	Set Operations and Laws of Set Theory	1	Chalk & Talk	Black Board
3.6	Union of Sets – Intersection of Sets – Disjoint Sets	2	Chalk & Talk	Black Board
3.7	Difference of Two Sets – Complement of a Set	2	Chalk & Talk	Black Board
3.8	Distributive Laws – De Morgan's Laws	2	Chalk & Talk	Black Board
UNIT 4 - MATRICES				
4.1	Introduction	1	Lecture	White board
4.2	Algebra of Matrices	2	Chalk & Talk	Black Board
4.3	Types of Matrices- Rank of a Matrix	2	Chalk & Talk	Black Board
4.4	Inverse of Matrix-	2	Chalk & Talk	Black Board
4.5	Cayley Hamilton	2	Chalk & Talk	Black Board
4.6	Eigen Values and Eigen Vectors	3	Chalk & Talk	Black Board
UNIT 5 – GRAPH THEORY				
5.1	Basic concepts of Graphs, Sub Graphs	2	Lecture	PPT
5.2	Matrix Representation of Graphs, Isomorphic graphs	2	Lecture	Black Board

5.3	Paths and Circuits – Eularian Graphs	2	Chalk & Talk	Black Board
5.4	Hamiltonian Graphs – Planar Graphs	2	Chalk & Talk	Black Board
5.5	Euler's Formula – Regular & Bipartite Graphs	2	Chalk & Talk	Black Board
5.6	Trees- Properties of trees - Spanning trees	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	**2.5**	**12.5**		**12.5**	**25%**
K3	5	-	-	**5**	**10**		**10**	**20%**
K4	5	5	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	5	5	-	**10**		**10**	**20%**
Non-Scho.	-	-	-	-	-	**5**	5	**10%**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100%**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

CIA Components			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

***The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Perform Logical operations and predicate calculus needed for computing skill.	K2, K4	PSO1 & PSO2
CO 2	To understand the concepts of relations	K2, K3, K4	PSO1 & PSO2
CO 3	To solve and know various types of matricesfor designing and solving problems	K2 , K4	PSO1 & PSO3
CO 4	To evaluate and solve various types of graphs	K2, K3,K4 & K5	PSO1 & PSO4
CO 5	Apply the techniques of set theory to solve real life applications	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	2	3	1	1	1
CO3	3	1	3	1	1
CO4	3	1	1	2	1
CO5	1	1	1	3	2

Mapping of COs with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	1	2	1	1	2	2	1	1	1
CO2	3	2	3	2	1	1	1	1	2	2	2	2
CO3	3	2	3	1	2	2	1	1	2	2	1	1
CO4	3	2	3	1	2	2	1	1	2	2	1	2
CO5	3	1	3	2	1	1	2	1	2	1	1	2

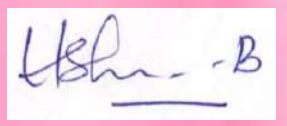
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

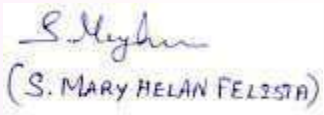
♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

1. **B. Usha**
2. **P. Nancy Vincentina Mary**

HOD'S Signature





I MCA

SEMESTER – I

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA102	RELATIONAL DATABASE MANAGEMENT SYSTEMS	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides knowledge on different issues involved in the design of a database system and it Provide strong foundation of database concepts and to introduce students to application development in DBMS.

COURSE OBJECTIVE

- The course describes the data, organizing the data in database, database administration..
- To study the physical and logical database designs, integrity and normalization.
- It also gives introduction to SQL language to retrieve the data from the database with suitable application development.

UNIT – I INTRODUCTION (12 Hours)

Database system applications - Purpose of Database Systems - View of data - Database languages – Relational Databases - Database design –Data Storage and Querying – Transaction Management – Database Architecture - Data Mining and Information Retrieval- Specialty Databases - Database Users and administrators - Introduction to Relational Model -Structure of Relational Databases - Database Schema – Keys – Schema Diagrams- Relational query languages.

SELF STUDY: Relational Operations.

UNIT- II RELATIONAL DATABASE DESIGN (12 Hours)

Formal Relational Query Languages - Relational Algebra - The Tuple relational calculus - Domain relational calculus - Database design and the E-R Model - The Entity-Relationship Model- Constraints – Entity-Relationship Diagrams - Extended E-R features - Atomic Domains and First Normal form- Decomposition using Functional dependencies - Decomposition Using Multivalued Dependencies

SELF STUDY: Entity-Relationship Design Issues.

UNIT - III POSTGRESQL BASICS (12 Hours)

What is PostgreSQL? – History – Features – Database Administration – Advantages and Disadvantages – Database – Connect - Create - Select -Drop – Data types

SELF STUDY: Select

UNIT - IV POSTGRESQL – TABLE (12 Hours)

Create Table - Drop Table - Schema - Insert Query - Select Query - Operators - Expressions - Where Clause - AND & OR Clauses- Update Query- Delete Query- Like Clause- Limit Clause - Order By Clause - Group By - With Clause- Having Clause - Distinct Keyword.

SELF STUDY: AND & OR Clauses

UNIT- V ADVANCED POSTGRESQL (12 Hours)

Constraints - Joins - Unions Clause - NULL Values - Alias Syntax - Triggers- Indexes - Alter Table Command - Truncate Table Command - Views - Transactions - Locks - Sub Queries - Auto Increment - Privileges - Date/Time Functions & Operators - Functions - Useful Functions

SELF STUDY: Auto Increment

REFERENCE BOOKS

1. Abraham Silberschatz, Henry F. Korth, S.Sudarshan, "Database System Concepts" ,Tata McGraw Hill publishers, 6th Edition, 2018.
2. Hans-Jürgen Schönig, "Mastering PostgreSQL 12", Packt Publishing, Limited, 3rd Edition, 2019.
3. R. Elmasri, S.B. Navathe, "Fundamentals of Database Systems", Pearson Education, Seventh Edition, 2017.
4. Dimitri Fontaine, "Mastering PostgreSQL in Application Development", Lulu.com, 2017.

WEB RESOURCES

1. https://www.tutorialspoint.com/postgresql/index.htm
2. https://www.w3schools.com/postgresql/index.php
3. http://www.ss64.com/ora/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION				
1.1	Database system Applications & Purpose	1	Chalk & Talk	Black Board
1.2	Relational Databases	2	Chalk & Talk	Black Board
1.3	Transaction Management	1	Lecture	PPT
1.4	Database Architecture	1	Chalk & Talk	Black Board
1.5	Database Users and administrators	2	Discussion	Black Board
1.6	Structure of Relational Databases	2	Lecture	White board
1.7	Database Schema Diagrams	1	Discussion	Google classroom
1.8	Relational query languages & operations	2	Lecture	White board
UNIT - 2 RELATIONAL DATABASE DESIGN				
2.1	Formal Relational Query Languages	1	Lecture	PPT
2.2	The Tuple relational calculus	2	Chalk & Talk	Black Board
2.3	Domain relational calculus	2	Lecture	PPT
2.4	Database design & the E-R Model	2	Lecture	White board
2.5	Expression Trees	1	Discussion	Black Board
2.6	The E-R Model & Diagrams	1	Chalk & Talk	Black Board
2.7	First Normal form	1	Chalk & Talk	Black Board

2.8	Decomposition Using functional and Multi-valued Dependencies	2	Lecture	PPT
UNIT – 3 POSTGRESQL BASICS				
3.1	What is PostgreSQL?	1	Lecture	White board
3.2	History – Features	1	Chalk & Talk	Black Board
3.3	Database Administration	2	Lecture	PPT
3.4	Advantages and Disadvantages	1	Lecture	White board
3.5	Database	1	Discussion	Google classroom
3.6	Connect	1	Lecture	PPT
3.7	Create	1	Chalk & Talk	Black Board
3.8	Select	2	Lecture	White board
3.9	Drop – Data types	2	Chalk & Talk	Black Board
UNIT – 4 POSTGRESQL – TABLE				
4.1	Create Table - Drop Table	1	Lecture	PPT
4.2	Schema	2	Lecture	PPT
4.3	Insert Query	1	Chalk & Talk	Black Board
4.4	Select Query	2	Chalk & Talk	Black Board
4.5	Operators - Expressions - Where Clause	1	Discussion	Black Board
4.6	AND & OR Clauses- Update Query	1	Lecture	PPT
4.7	Delete Query- Like Clause- Limit	2	Chalk & Talk	Black Board

	Clause			
4.8	Order By Clause - Group By - With Clause- Having Clause - Distinct Keyword	2	Lecture	PPT
UNIT – 5 ADVANCED POSTGRESQL				
5.1	Constraints - Joins - Unions Clause	1	Chalk & Talk	Black Board
5.2	NULL Values - Alias Syntax	2	Lecture	PPT
5.3	Triggers- Indexes	2	Lecture	PPT
5.4	Alter Table Command - Truncate Table Command	2	Lecture	White board
5.5	Views - Transactions - Locks	2	Lecture	White board
5.6	Sub Queries - Auto Increment	1	Lecture	White board
5.7	Privileges - Date/Time Functions & Operators	1	Lecture	White board
5.8	Functions - Useful Functions	1	Discussion	Class Room

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand the basic concepts of Relational Data Model, Entity Relationship Model and process of Normalization.	K2, K4	PSO1 & PSO 2
CO 2	Attain a good practical skill of managing and retrieving of data using Data Manipulation Language (DML)	K2, K3, K4	PSO2 & PSO4
CO 3	Understand the basics and construct database in PostgreSQL.	K2 , K4	PSO1 & PSO3
CO 4	Master writing queries and SQL statements to operate PostgreSQL.	K2, K3,K4& K5	PSO2 & PSO4
CO 5	Understand and use built-in functions and enhance the knowledge of handling multiple tables	K2,K3,K4& K5	PSO 4 & PSO 5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	1	2	1
CO3	2	1	3	1	1
CO4	1	2	1	3	1
CO5	1	1	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	3	2	1	2	1	1	2	1	3	2
CO2	1	3	2	1	3	2	2	2	1	2	1	1
CO3	1	1	3	2		3	3	1	1	2	1	2
CO4	3	2	2	1	3	1	1	1	2	3	2	1
CO5	1	2	1	1	2	1	2	1	1	1	3	1

COURSE DESIGNER:

S. MARY HELAN FELISTA

S. Mary Helan Felista

Forwarded By

HOD'S Signature & Name

S. Mary Helan Felista

I MCA

SEMESTER – I

(For those who joined in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCA103	OPERATING SYSTEMS	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides knowledge on the concepts of abstraction, scheduling mechanisms, implementations and manages a computer's resources, especially the allocation of those resources among other programmes.

COURSE OBJECTIVES

- To be aware of the evolution and fundamental principles of operating system.
- To understand the various operating system components like process management, memory management, file management.
- To be familiar with storage management.

UNIT - I INTRODUCTION (12 Hours)

What Operating Systems Do – System Organization – System Architecture – System Structure – Protection and Security – Open Source Operating Systems –Process Concept – Process Scheduling –Operations on Processes – Inter process Communication.

SELF STUDY: Inter process Communication

UNIT – II PROCESS SYNCHRONIZATION & SCHEDULING (12 Hours)

Critical Section Problem – Peterson's Solution - Synchronization Hardware – Semaphores – Classic Problems of Synchronization – Monitors –CPU Basic Concepts – Scheduling Criteria – Scheduling Algorithms

SELF STUDY: Monitors

UNIT – III DEADLOK &MEMORY MANAGEMENT (12 Hours)

Deadlock System Model – Deadlock Characterization – Methods for Handling – Prevention – Avoidance – Detection – Recovery from Deadlock.

Memory Management – Background – Swapping – Contiguous Memory Allocation – Segmentation –Paging – Structure of Page Table.

SELF STUDY: Segmentation.

UNIT - IV VIRTUAL MEMORY &STORAGE MANAGEMENT (12 Hours)

Virtual Memory –Demand Paging –Copy-on-Write – Page Replacement. Disk Structure – Disk Attachment - Disk Scheduling – Disk Management – Swap-Space Management – RAID Structure

SELF STUDY: Demand Paging

UNIT – V FILE SYSTEM INTERFACE & IMPLEMENTATION (12 Hours)

File Concept – Access Methods – Directory and Disk Structure – File system mounting – File sharing – File System Structure – File System Implementation – Directory Implementation - Allocation Methods – Free Space Management

SELF STUDY: Swap-Space Management

REFERENCES:

1. Abraham Silberschatz, Peter Baer Galvin, Greg Gagne, "Operating System Principles", Wiley Publication, 9th Edition, 2013.
2. William Stallings, "Operating Systems: Internals and Design Principles", Prentice Hall, 9th Edition, 2018.
3. Madnick&J.Donovan, "Operating Systems", McGraw, Hill Publication, 2nd Edition, 2013.
4. H.M.Deitel, "Operating systems", Addison Wesley Publication, 3rd Edition, 2013.
5. William Stallings, "Operating Systems ", Prentice Hall Publication, 7th Edition, 2014.

WEB REFERENCES:

1. http://Williamstallings.com/os/animations
2. https://www.tutorial.com/operating system/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION				
1.1	What Operating Systems Do – System Organization	1	Chalk & Talk	Black Board
1.2	System Architecture	1	Chalk & Talk	LCD
1.3	System Structure	4	Lecture	PPT & White board
1.4	Protection and Security	1	Lecture	Smart Board
1.5	Open Source Operating Systems – Process Concept	1	Lecture	Black Board
1.6	Process Scheduling –Operations on Processes	2	Discussion	Google classroom
1.7	Inter process Communication	2	Lecture	PPT & White board
UNIT -2 PROCESS SYNCHRONIZATION & SCHEDULING				
2.1	Critical Section Problem	1	Lecture	Green Board Charts
2.2	Peterson's Solution	2	Chalk & Talk	Green Board
2.3	Synchronization Hardware	1	Lecture	Smart Board
2.4	Semaphores	1	Lecture	Black Board
2.5	Classic Problems of Synchronization	2	Discussion	Google classroom
2.6	Monitors	1	Lecture	Green Board Charts
2.7	CPU Basic Concepts	2	Chalk & Talk	Green Board
2.8	Scheduling Criteria	1	Lecture	Smart Board
2.9	Scheduling Algorithms	1	Lecture	Black Board
UNIT –3 DEADLOK &MEMORY MANAGEMENT				

3.1	Deadlock System Model – Deadlock Characterization	1	Chalk & Talk	Black Board
3.2	Methods for Handling	1	Chalk & Talk	LCD
3.3	Prevention – Avoidance	3	Lecture	PPT & White board
3.4	Detection – Recovery from Deadlock	1	Lecture	Smart Board
3.5	Memory Management	1	Lecture	Black Board
3.6	Background – Swapping	1	Discussion	Google classroom
3.7	Contiguous Memory Allocation	2	Lecture	PPT & White board
3.8	Segmentation –Paging	1	Discussion	Black Board
3.9	Structure of Page Table	1	Lecture	Black Board
UNIT – 4 VIRTUAL MEMORY &STORAGE MANAGEMENT				
4.1	File Concept – Access Methods	1	Chalk & Talk	Black Board
4.2	Directory and Disk Structure	1	Chalk & Talk	LCD
4.3	File system mounting	3	Lecture	PPT & White board
4.4	File sharing	1	Lecture	Smart Board
4.5	File System Structure	1	Lecture	Black Board
4.6	File System Implementation	1	Discussion	Google classroom
4.7	Directory Implementation	2	Lecture	PPT & White board
4.8	Allocation Methods	1	Discussion	Black Board
4.9	Free Space Management	1	Lecture	Black Board

UNIT – 5 FILE SYSTEM INTERFACE & IMPLEMENTATION				
5.1	Disk Structure & Attachment	2	Chalk &Talk	Black Board
5.2	Disk Scheduling	2	Chalk & Talk	LCD
5.3	Disk Management	1	Lecture	PPT & White board
5.4	RAID Structure	2	Lecture	Smart Board
5.5	I/O Systems	1	Lecture	Black Board
5.6	I/O Hardware	1	Discussion	Google classroom
5.7	I/O interface	1	Lecture	PPT & White board
5.8	I/O Subsystem	1	Discussion	Black Board
5.9	I/O Request to hardware operations	1	Lecture	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify the components and processes.	K2, K4	PSO1 & PSO2
CO 2	Analyse on scheduling algorithms and deadlocks.	K2, K3, K4	PSO1 & PSO2
CO 3	Demonstrate the mapping between the physical memory and virtual memory	K2 , K4	PSO1 & PSO4
CO 4	Identify the secondary memory management techniques	K2, K3,K4 & K5	PSO1 & PSO3
CO 5	Analyse on the I/O systems	K2,K3,K4 & K5	PSO1 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	2	1	1	1
CO3	2	1	1	3	1
CO4	2	1	3	1	1
CO5	2	1	1	1	3

Mapping of C0s with POs

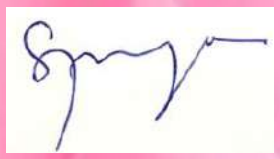
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	1	2	1	1	1	1	1	2	1
CO2	1	2	1	1	2	1	2	1	1	1	3	1
CO3	1	2	1	1	2	3	1	1	1	1	3	1
CO4	1	3	1	1	3	1	2	1	1	1	2	1
CO5	3	2	1	1	2	2	3	1	1	1	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S. JEBAPRIYA



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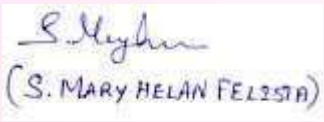

I MCA

SEMESTER – I

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA104	PROGRAMMING IN PYTHON	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides the basics of writing and running Python scripts to more advanced features such as file operations, regular expressions, working with OOPs concept and using the extensive functionality of Python modules. Extra emphasis is placed on features unique to Python, such as tuples, array slices, and output formatting.

COURSE OBJECTIVE

- To differentiate syntax of Python from other programming languages.
- To get familiar in writing simple programs using Python language.
- To understand various data structures provided by Python library including string, List.
- To build real-world applications using OOPs, Files and Exception handling.

UNIT – I INTRODUCTION **(12 Hours)**

Basics of Python Programming

Features – Writing First Python Program – Constants – Variables – Data Types – Input Operation – Operators – Expression – Strings – Type Conversions.

Decision Control Statements

Selection Statements – Basic Loop Structures – Nested Loops – The break Statement – The continue Statement – the pass Statement – the else Statement used with loops.

SELF STUDY : Type Conversions

UNIT - II FUNCTIONS & STRINGS **(12 Hours)**

Functions and Modules

Function Definition – Function Call – Variable Scope – The return Statement – Lambda Functions – Recursive Functions – Modules – Packages – Standard Library Modules.

Strings

String Operations – Strings are Immutable – String Formatting Operator – Built-in String Methods – Slice Operation – String Module – Regular Expressions.

SELF STUDY : Variable Scope

UNIT - III File Handling & Data Structures (12 Hours)

File Handling

File path – Types of Files – Opening and Closing files – Reading and Writing files – File positions – Renaming and Deleting files – Directory Methods.

Data Structures

Sequence – Lists – List Operations – List Methods – Tuple – Tuple Operations – Tuple methods – Sets – Dictionaries – Dictionary Opearations- Dictionary Functions – List vs Tuple vs Dictionary vs Set.

SELF STUDY : List vs Tuple vs Dictionary vs Set

UNIT - IV OBJECT ORIENTED FEATURES (12Hours)

Classes and Objects

Classes and Objects – Self Argument – Constructor – Special Methods – Public and Private Data Members – Private Methods- Built-in Functions – Built-in Class Attributes – Class Methods – Static Methods

Inheritance

Inheriting Class in Python – Types of Inheritance – Composition – Abstract Classes and Interfaces.

SELF STUDY : Private Methods

UNIT - V ERROR AND EXCEPTION HANDLING (12 Hours)

Operator Overloading

Implementing Operator Overloading – Reverse Adding – Overriding – Overloading Miscellaneous Functions.

Error and Exception Handling

Introduction – Handling Exceptions – Multiple Except Blocks – The else clause – Raising Exception – The finally Block.

REFERENCES:

1. Reema Thareja, "Python Programming", Oxford University Press, 2017
2. Richard L. Halterman, "Learning To Program with Python", 2013.
3. Kenneth A. Lambert, "Fundamentals of Python: First Programs", Course Technology Inc; 2nd Edition, 2018
4. Allen B. Downey, "Python for Software Design", 2018.
5. Bill Lubanovic, "Introducing Python", O 'Reilly Media Publications, 2015

WEB REFERENCES:

1. http://spoken-tutorial.org/tutorial-search/python
2. https://docs.python.org

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 Introduction				
1.1	**Basics of Python Programming** Features – Writing First Python Program	2	PPT	LCD
1.2	Constants – Variables	1	PPT	LCD
1.3	Data Types – Input Operation	2	Flipped Classroom	LCD
1.4	Operators – Expression – Strings – Type Conversions.	2	PPT	LCD
1.5	Selection Statements – Basic Loop Structures – Nested Loops	1	Group Discussion	White Board

1.6	The continue Statement – the pass Statement	2	Flipped Classroom	LCD
1.7	The else Statement used with loops.	2	PPT	LCD
UNIT 2 Functions & Strings				
2.1	Function Definition – Function Call.	1	Flipped Classroom	LCD
2.2	Variable Scope – The return Statement	1	Lecture	White Board
2.3	Lambda Functions – Recursive Functions	1	PPT	White Board
2.4	Modules – Packages – Standard Library Modules0	1	Flipped Classroom	LCD
2.5	String Operations – Strings are Immutable	2	PPT	LCD
2.6	String Formatting Operator	2	PPT	LCD
2.7	Built-in String Methods – Slice Operation	2	Self Study	Presentation using PPT
2.8	String Module – Regular Expressions.	2	PPT	LCD
UNIT 3 File Handling & Data Structures				
3.1	File path – Types of Files – Opening and Closing files	2	Flipped Classroom	LCD
3.2	Reading and Writing files – File positions	2	PPT	White Board
3.3	Renaming and Deleting files – Directory Methods	2	PPT	LCD
3.4	Sequence – Lists – List Operations – List Methods	2	PPT	LCD
3.5	Tuple – Tuple Operations – Tuple methods – Sets – Dictionaries	2	Chalk and Talk	Blackboard

3.6	Dictionary Opearations- Dictionary Functions – List vs Tuple vs Dictionary vs Set	2	PPT	LCD
UNIT 4 Object Oriented Features				
4.1	Classes and Objects – Self Argument – Constructor	2	Chalk and Talk	Blackboard
4.2	Special Methods – Public and Private Data Members	2	Chalk and Talk	Blackboard
4.3	Private Methods- Built-in Functions – Built-in Class Attributes – Class Methods – Static Methods	2	Chalk and Talk	Blackboard
4.4	Inheriting Class in Python	2	Flipped Classroom	LCD
4.5	Types of Inheritance – Composition	2	PPT	LCD
4.6	Abstract Classes and Interfaces	2	PPT	LCD
UNIT 5 Error and Exception Handling				
5.1	Implementing Operator Overloading	2	Flipped Classroom	LCD
5.2	Reverse Adding	1	Flipped Classroom	LCD
5.3	Overriding	2	Lecture	PPT
5.4	Overloading Miscellaneous Functions	1	PPT	White Board
5.5	Introduction – Handling Exceptions	2	Demonstration	LCD
5.6	Exceptions – Multiple Except Blocks	1	PPT	White Board
5.7	The else clause – Raising Exception	2	Demonstration	White Board
5.8	The finally Block.	1	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
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K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Predict the basics of Python programming.	K2, K4	PSO1& PSO2
CO 2	Solve problems requiring the writing of well-documented programs in the Python language, including use of the logical constructs of that language & Formulate solutions for String	K2, K3, K4	PSO2& PSO3
CO 3	Use and manipulate File operations and python data structures.	K2 , K4	PSO3&PSO4
CO 4	Apply object-oriented programming concepts to develop dynamic interactive Python applications.	K2, K3,K4 & K5	PSO1&PSO4
CO 5	Formulate exception handling model to develop robust programs.	K2,K3,K4 & K5	PSO4&PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	3	1	1
CO2	1	2	3	1	1
CO3	3	1	1	1	1
CO4	1	1	1	3	2
CO5	1	1	3	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with Pos

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	1	1	3	1	2
CO2	1	2	2	2	3	2	2	3	1	2	2	2
CO3	1	3	1	2	2	3	3	1	3	3	2	1
CO4	2	2	3	1	1	1	2	1	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	1	1	2

COURSE DESIGNER:

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HOD'S Signature & Name

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I MCA

SEMESTER – I

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PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA105	LAB I – RDBMS	MAJOR LAB	6	3

COURSE DESCRIPTION

This course provides practical knowledge in PL/SQL programming, utilizing the services provided by Oracle database in a stored procedure perspective. This also includes implementation of Subprograms, Triggers, and Cursor concepts in depth.

COURSE OBJECTIVE

- To give a good formal foundation on the relational model of data
- To present the techniques relating to query processing by SQL engines.
- To develop PL/SQL programs with stored procedures, stored functions, cursors and packages.

LAB LIST

SQL QUERIES

1. DDL statements to Create, Alter, Drop, Truncate and rename tables.
2. DML statements to perform Select, Insert, Delete, Update on tables.
3. DCL statements to access database using Grant and Revoke.
4. TCL statements to work on Commit, Rollback and Save point.
5. SQL queries to implement Where, Like, Order By, Group By, Having clauses.
6. SQL queries to implement arithmetic, Logical, Concatenation and Quote operators.
7. SQL queries to implement mathematical functions. (count, minimum value, maximum value, sum, average, First and Last)
8. SQL queries to implement scalar functions. (UCASE, LCASE, MID, ROUND)
9. SQL queries to implement Set Operations. (Intersect, Union, Union All, Minus)
10. SQL queries to implement column and table level constraints.(NOT NULL, UNIQUE, PRIMARY KEY, FOREIGN KEY, CHECK and DEFAULT)

11. SQL queries to perform Natural, Inner, Outer, Left, Right and Equi Joins.
12. SQL queries to implement subqueries and nested queries.

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Enhance Programming skills and techniques.	K2	PSO1, PSO2 & PSO3
CO 2	Formulate complex queries using SQL	K2, K3, K4	PSO1 & PSO2
CO 3	Use Cursors, Triggers and PL/SQL code constructs using Procedures & Functions	K2, K3& K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	1	1
CO2	2	3	1	1	1
CO3	1	1	1	3	2

Mapping of COs with POs

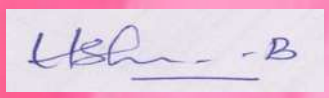
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	2	2	2	1	2	1	2
CO2	3	1	2	1	3	2	2	3	1	2	1	2
CO3	3	2	3	2	2	3	2	3	2	2	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

B.USHA



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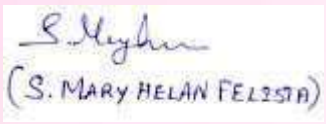

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SEMESTER – I

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PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	23MCA106	LAB II – PYTHON PROGRAMMING	MAJOR LAB	6	3

COURSE DESCRIPTION

This course provides the practical knowledge of implementing Python programs with loops, functions and represent compound data using lists, tuples and dictionaries.

COURSE OBJECTIVES

- To write, test and debug simple Python programs.
- To use functions for structuring Python programs.
- To read and write data from/to files in Python.

LAB LIST

1. Running instructions in Interactive interpreter and a Python Script.
2. Write a program to purposefully raise Indentation Error and correct it.
3. Write a program add.py that takes 2 numbers as command line arguments and prints its sum.
4. Write a program using arrays.
5. Write a program using for loop that loops over a sequence.
6. Write a program using a while loop that asks the user for a number, and prints a countdown from that number to zero.
7. Write a program to count the numbers of characters in the string and to use split and join methods in the string.
8. Write a program combine lists that combines these lists into a dictionary.
9. Write a function nearly equal to test whether two strings are nearly equal. Two strings a and b are nearly equal when a can be generated by a single mutation on b.
10. Write a function reverse to reverse a list. Without using the reverse function.

11. Write a program using built in functions
12. Write a program to implement dictionary operations.
13. Write a program to implement Tuple operations.
14. Write a program to implement Exception Handling
15. Find the most frequent words in a text read from a file.

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Implement Math functions, Strings, List and Tuple in Python programs.	K2	PSO1, PSO2 & PSO3
CO 2	Express different Decision Making statements and Functions.	K2, K3, K4	PSO3 & PSO4
CO 3	Interpret Object oriented programming in Python & File handling operations.	K2, K3 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	1	1
CO2	1	1	2	3	1
CO3	1	1	1	2	2

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	2	2	2	1	2	1	2
CO2	3	1	2	1	3	2	2	3	1	2	1	2
CO3	3	2	3	2	2	3	2	3	2	2	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S. Mary Helan Felista

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I MCA

SEMESTER –I

(For those who joined in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCA107	SKILL BASED-LAB I-LINUX	SKILL BASED	2	1

COURSE DESCRIPTION

This course provides focus on the fundamental tools and concepts of Linux and Unix OS. It gives practical exposure on topics such as LINUX environment, commands, file system, processes and utilities. Specific emphasis is given to the bash shell and user environment with several flavours of UNIX/Linux using a version of Red Hat Linux.

COURSE OBJECTIVES

- To learn the basic set of commands and utilities in Linux.
- To develop software for Linux systems.

LAB LIST

SHELL PROGRAMMING

1. Using Basic Commands.
2. Arithmetic Operations Using Case Statement.
3. Sum of the Digits Calculation.
4. Check for file Existence.
5. Check for String Palindrome.
6. Prime Number Generation.
7. Factorial Calculation.
8. Pattern checking Using grep command.
9. Open a file using System Call.

C PROGRAMMING

1. Open a file using System Call.
2. Emulate scanf and printf Function.
3. Copying Files.
4. Changing File Permissions.
5. File Copy using fgetc.
6. Print the directory Content.
7. Memory Allocation.
8. File Manipulations.
9. Simple C Programs.

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Use Linux utilities and develop shell scripts to perform tasks.	K2	PSO1
CO 2	EffectivelyuseLinuxenvironmenttoaccomplishsoftwaredevelopmenttasks	K2, K3, K4	PSO1 & PSO2
CO 3	Monitor system performance and network activities	K2 & K3	PSO3

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	1	1	1
CO2	2	3	1	1	1
CO3	1	1	3	1	1

Mapping of COs with POs

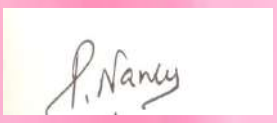
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	3	2	1	2	1	1	2	1	3	2
CO2	1	3	2	1	3	2	2	2	1	2	1	1
CO3	1	1	3	2	1	3	3	1	1	2	1	2

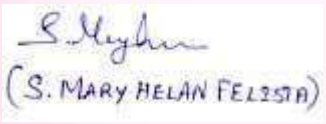
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

P.NANCY VINCENTINA MARY **HOD'S Signature & Name**





I MCA

SEMESTER – I

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	20MCA108	SOFT SKILLS I – PROFESSIONAL COMMUNICATION	SOFT SKILLS	2	2

COURSE DESCRIPTION

This course provides skills of oral and written communication to work in different environments, develop emotional sensitivity and an awareness of how to work and negotiate with people.

COURSE OBJECTIVE:

- To communicate ethically and efficiently.
- To develop Presenting & Writing skills.

TOPICS

1. Elements of Communication.
    a. The importance of communication through English.
    b. Factors that influence communication.
    c. Verbal and Non Verbal Communication.
    d. Business Communication.
2. Review of English Grammar.
3. Pronunciation Practice.
4. The Sounds of English.
5. Reading and Writing Skills.

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
SECTION 1 – ELEMENTS OF COMMUNICATION				
1.1	The importance of communication through English	3	Lecture	White board
1.2	Factors that influence communication	3	Chalk & Talk	Black Board
1.3	Verbal and Non Verbal Communication	5	Discussion	Black Board
1.4	Business Communication	3	Lecture	White board
SECTION 2 - ENGLISH GRAMMAR				
2.1	Review of English Grammar	5	Lecture	White board
2.2	Pronunciation Practice	3	Chalk & Talk	Black Board
2.3	The Sounds of English	3	Discussion	Black Board
2.4	Reading and Writing Skills	5	Lecture	White board

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Display competence in oral and written communication.	K2	PSO1 & PSO2
CO 2	Use current technology related to the communication.	K2, K3	PSO2 & PSO3
CO 3	Ability to enhance reading and writing skills	K3	PSO3

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	2	1	1
CO3	1	1	3	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	3	2	1	2	1	1	2	1	3	2
CO2	1	3	2	1	3	2	2	2	1	2	1	1
CO3	1	1	3	2	2	3	3	1	1	2	1	2

COURSE DESIGNER

R. SMEETA MARY

Name

Forwarded By

HOD'S Signature &

(S. MARY HELAN FELISTA)

I MCA

SEMESTER – II

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCA201	DATA STRUCTURES AND ALGORITHMS	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides knowledge on several fundamental algorithms and data structures and to implement them in C++ to be an effective designer, developer, or customer for new applications.

COURSE OBJECTIVE

- To understand the concept of data structures through ADT including List, Stack and Queues.
- To design, develop and implement various data structure algorithms.
- To compute the complexity of various algorithms.

UNIT – I LISTS, STACKS AND QUEUES (12 Hours)

Abstract Data Types - The List ADT – Array Implementation of List - Single Linked Lists – Doubly Linked Lists – Circular Linked Lists - The Stack ADT - Stack Model – Implementation Of Stacks – Array Implementation of Stacks- Applications - The Queue ADT -Queue Model – Implementation Of Queues.

SELF STUDY : Applications of Stack and queue

UNIT - II TREES (12 Hours)

Preliminaries - Implementation Of Trees – Tree Traversals With An Application – Binary Trees – Implementation - Expression Trees – The Search Tree ADT – Binary Search Trees – Make Empty – Find – Min and Max – Insert – Delete.

SELF STUDY : Expression Trees

UNIT - III ADVANCED SEARCH TREES AND HASHING (12 Hours)

AVL Trees - Single Rotation – Double Rotation – Splay Trees – Splaying – Tree Traversals - B-Trees – Hashing - General Idea – Hash Function – Open Addressing – Linear Probing – Quadratic Probing – Double Hashing – Rehashing – Extendible Hashing.

SELF STUDY : Separate Chaining

UNIT - IV PRIORITY QUEUE AND SORTING **(12 Hours)** Priority Queue (Heaps) - Model – Implementation - Binary Heap - Structure Property - Heap Order Property - Basic Heap Operations – Selection Problem - Sorting **-** Insertion Sort – Heap Sort – Merge Sort – Quick Sort - Bucket Sorting – External Sorting – Multiway Merge – Polyphase Merge – Replacement Selection.

SELF STUDY : Application of Priority Queues

UNIT - V GRAPHS **(12 Hours)**

Graph Algorithm - Definitions – Representation of Graphs – Shortest-Path Algorithms – Unweighted Shortest Paths - Dijkstra's Algorithm – Minimum Spanning Tree – Prim's Algorithm – Kruskal's Algorithm - Greedy Algorithms – Huffman Codes - Divide And Conquer – Running Time Of Divide And Conquer Algorithms - Closest Point Problem.

SELF STUDY :A Simple Scheduling Problem

REFERENCES :

1. Mark Allen Weiss, "Data Structures and Algorithm Analysis in C",2nd Edition, Pearson Education Asia, 2016.
2. Seymour Lipschutz, "Data structures with C", Tata Mc Graw Hill, 2011.
3. Debasis Samanta, "Classic Data Structures", 2nd Edition, PHI, 2012.
4. Ashok N. Kamthane , "Programming and Data structure", Dorling Kindersley,2012.
5. E.Balagursamy," Data Structures using C", Tata McGraw Hill, 2015 Reprint.

WEB REFERENCES:

1. https://www.w3schools.in/data-structures-tutorial/intro
2. https://www.tutorialride.com/data-structures/data-structures-tutorial.htm
3. https://www.geeksforgeeks.org/fundamentals-of-algorithms/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 LISTS, STACKS AND QUEUES				
1.1	Abstract Data Types, List ADT	1	Chalk & Talk	Black Board
1.2	Array Implementation of List	2	Chalk & Talk	Black Board
1.3	The Stack ADT	1	Lecture	White board
1.4	Stack Model	1	Chalk & Talk	Black Board
1.5	Array Implementation of Stacks	2	Discussion	Black Board
1.6	Applications of Stack	2	Lecture	White board
1.7	Queue Model	1	Lecture	White board
1.8	Implementation, Applications of Queues	2	Discussion	Google classroom
UNIT - 2 TREES				
2.1	Introduction To Trees, Binary Trees	1	Lecture	PPT
2.2	Implementation Of Trees	2	Chalk & Talk	Black Board
2.3	Tree Traversals With An Application	2	Lecture	PPT
2.4	Binary Tree Implementation	2	Lecture	White board
2.5	Expression Trees	1	Discussion	Black Board
2.6	The Search Tree ADT	1	Chalk & Talk	Black Board
2.7	Binary Search Trees	1	Chalk & Talk	Black Board

2.8	Binary Search Tree Operations	2	Lecture	PPT
UNIT – 3ADVANCED SEARCH TREES AND HASHING				
3.1	AVL Trees, Rotations	1	Lecture	White board
3.2	Splay Trees	1	Chalk & Talk	Black Board
3.3	Tree Traversals	1	Lecture	PPT
3.4	B-Trees	1	Lecture	White board
3.5	Hashing, Hash Function	1	Discussion	Black Board
3.6	Separate Chaining	1	Lecture	PPT
3.7	Open Addressing	1	Chalk & Talk	Black Board
3.8	Linear Probing	1	Lecture	White board
3.9	Quadratic Probing	1	Chalk & Talk	Black Board
3.10	Double Hashing	1	Chalk & Talk	Black Board
3.11	Rehashing	1	Discussion	Black Board
3.12	Extendible Hashing	1	Lecture	White board
UNIT - 4 PRIORITY QUEUE AND SORTING				
4.1	Priority Queue Model	1	Lecture	PPT
4.2	Priority Queue Implementation	2	Lecture	PPT
4.3	Binary Heap	1	Chalk & Talk	Black Board
4.4	Basic Heap Operations	1	Chalk & Talk	Black Board
4.5	Application Of Priority Queues	1	Discussion	Black Board

4.6	Selection Problem	1	Lecture	PPT
4.7	Insertion Sort, Heap Sort	1	Chalk & Talk	Black Board
4.8	Merge Sort	1	Lecture	PPT
4.9	Quick Sort	1	Lecture	PPT
4.10	Bucket Sorting	1	Chalk & Talk	Black Board
4.11	External Sorting, Multiway Merge, Polyphase Merge, Replacement Selection	1	Chalk & Talk	Black Board
UNIT – 5 GRAPHS				
5.1	Definition of Graph Algorithm	1	Chalk & Talk	Black Board
5.2	Representation of Graphs, Unweighted Shortest Paths	1	Lecture	PPT
5.3	Shortest-Path Algorithms, Minimum Spanning Tree	1	Lecture	PPT
5.4	Dijkstra's Algorithm	1	Lecture	White board
5.5	Prim's Algorithm	1	Lecture	White board
5.6	Kruskal's Algorithm	1	Lecture	White board
5.7	Greedy Algorithms	1	Lecture	White board
5.8	A Simple Scheduling Problem	1	Chalk & Talk	Black Board
5.9	Huffman Codes	1	Chalk & Talk	Black Board
5.10	Divide And Conquer	1	Discussion	Black Board

5.11	Running Time Of Divide And Conquer Algorithms	1	Chalk & Talk	Black Board
5.12	Closest Point Problem	1	Discussion	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

✓ **All the course outcomes are to be assessed in the various CIA components.**

✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **TheAverage of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Select appropriate data structures as applied to specified problem definition.	K2, K4	PSO1 & PSO 2
CO 2	Implement operations like searching, insertion, deletion and traversing in trees.	K2, K3, K4	PSO2 & PSO4
CO 3	Compare the data structures of advanced search trees.	K2 , K4	PSO1 & PSO3
CO 4	Implement appropriate heap operations, sorting, searching techniques for a given problem.	K2, K3,K4& K5	PSO2 & PSO4
CO 5	Determine and analyze the complexity of graph Algorithms.	K2,K3,K4& K5	PSO 4 & PSO 5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	1	2	1
CO3	2	1	3	1	1
CO4	1	2	1	3	1
CO5	1	1	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	3	2	1	2	1	1	2	1	3	2
CO2	1	3	2	1	3	2	2	2	1	2	1	1
CO3	1	1	3	2		3	3	1	1	2	1	2
CO4	3	2	2	1	3	1	1	1	2	3	2	1
CO5	1	2	1	1	2	1	2	1	1	1	3	1

COURSE DESIGNER

S. JEBAPRIYA

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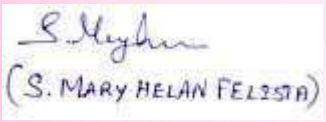

I MCA

SEMESTER – II

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA202	COMPUTER NETWORKS & COMMUNICATION	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides the basic concepts, design principles and underlying technologies of networking.

COURSE OBJECTIVE

- To familiarize with the basic taxonomy & terminology of data communication.
- To analyze the function & design strategies of Physical, Datalink, Network and Transport layer.
- To acquire the basic knowledge of various Application protocols.

UNIT – I **(12 Hours)**

INTRODUCTION

Introduction: Data Communications – Networks – Network Types - Network Models - Protocol Layering - OSI Model- Layers in the OSI model - TCP/ IP protocol suite – Addressing

SELF STUDY: Network Types

UNIT – II **(12 Hours)**

PHYSICAL LAYER MEDIA & DATA LINK LAYER

Transmission Media- Introduction- Guided Media- Unguided Media.

Switching – Circuit switched Network- Datagram Network- Virtual Circuit Network

Error detection and Correction- Introduction- Block Coding

Data link Control -DLC Services - Framing- - Data Link Layer Protocols- Noiseless Channels- Noisy Channels

SELF STUDY: Error detection and Correction

UNIT – III **(12 Hours)**

NETWORK LAYER & TRANSPORT LAYER

Network Layer - Internet Protocol –Datagram Format - IPV4- IPV6- Transition from IPV4 to IPV6 - Routing: Unicast Routing Protocols

Transport Layer Protocols -Introduction - UDP – TCP – SCTP.

SELF STUDY: Transition from IPV4 to IPV4

UNIT –IV **(12 Hours)**

APPLICATION LAYER

Domain Name System- Name Space- Domain Name Space- Distribution of Name Space - DNS in the Internet -DNS Messages– Types of records - Resolution - Remote Login Remote Logging, Electronic Mail and File Transfer- Remote Logging – Email - FTP

SELF STUDY: Remote Login – Email

UNIT –V **(12 Hours)**

COMPUTER NETWORK SECURITY PROTOCOLS

Introduction – Application Level Security – PGP – S/MIME – S-HTTP – SET – Kerberos – Security in the Transport Layer – SSL – TLS – Security in the Network Layer – IPSec – VPN – Security in the Link Layer – PPP – RADIUS – TACSCS

SELF STUDY: Security in the Transport Layer

REFERENCES:

1. Behrouz A Forouzan, “Data Communication and Networking”, 4th Edition, Tata McGraw Hill.
2. Joseph MiggaKizza, “ A Guide to Computer Network Security”, Springer International Publishing, 2020
3. Andrew. S. Tanenbaum, “Data Communication and Networking”, 4th Edition, Pearson Education.

4. Ertaul, Levent, “Computer Network Security Essentials”, Springer International Publishing, 2017

WEB REFERENCES:

1. http://www.omnisecu.com/basic-networking/
2. https://www.geeksforgeeks.org/network-security/
3. https://www.ibm.com/docs/en/SSLTBW_2.2.0/com.ibm.zos.v2r2.halz002/security_protocols.htm

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT-1 OVERVIEW				
1.1	Introduction: Data Communications	2	Chalk & Talk	Black Board
1.2	Networks - Network Types	2	Chalk & Talk	Black Board
1.3	Network Models - Protocol Layering	2	Chalk & Talk	Black Board
1.4	OSI Model - Layers in the OSI model	3	Chalk & Talk	Black Board
1.5	TCP/ IP protocols suite	2	Lecture	White board
1.6	Addressing	1	Chalk & Talk	Black Board
UNIT 2 PHYSICAL LAYER MEDIA & DATA LINK LAYER				
2.1	Transmission Media - Introduction- Guided Media- Unguided Media	2	Chalk & Talk	Black Board
2.2	Switching - Circuit switched Network	1	Lecture	PPT

2.3	Datagram Network - Virtual Circuit Network	2	Lecture	White board
2.4	- Error detection and Correction Introduction- Block Coding	1	Discussion	Black Board
2.5	Data link Control- Framing- Flow and Error control	1	Chalk & Talk	Black Board
2.6	Protocols - Noiseless Channels	2	Chalk & Talk	Black Board
2.7	Protocols – Noisy Channels	3	Lecture	White board
UNIT 3 NETWORK LAYER& TRANSPORT LAYER				
3.1	Network Layer - Internet Protocol- Datagram Format - IP V4	1	Lecture	White board
3.2	IP V6– Transition from IP V4 to IP V6	1	Chalk & Talk	Black Board
3.3	Routing - Unicast Routing Protocols	3	Lecture	PPT
3.4	Transport Layer – Introduction - Process-to-Process delivery	1	Chalk & Talk	Black Board
3.6	UDP	2	Lecture	PPT
3.7	TCP	2	Chalk & Talk	Black Board
3.8	SCTP	2	Chalk & Talk	Black Board
UNIT 4 APPLICATION LAYER				
4.1	Domain Name System :Name Space	1	Chalk & Talk	Black Board
4.2	Domain Name Space	1	Lecture	PPT
4.3	Distribution of Name Space	1	Lecture	PPT
4.4	DNS in the Internet	1	Lecture	White board
4.5	DNS Messages– Types of records	1	Lecture	White board

4.6	Resolution	2	Lecture	White board
4.7	Remote Login	1	Lecture	White board
4.8	Remote Logging, Electronic Mail and File Transfer: Remote Logging	1	Chalk & Talk	Black Board
4.9	Email	1	Lecture	White board
4.10	FTP	2	Chalk & Talk	Black Board
UNIT 5 COMPUTER NETWORK SECURITY PROTOCOLS				
5.1	Introduction – Application Level Security	2	Chalk & Talk	Black Board
5.2	PGP – S/MIME – S-HTTP	2	Lecture	PPT
5.3	SET – Kerberos – Security in the Transport Layer – SSL – TLS	2	Lecture	PPT
5.4	Security in the Network Layer – IPSec – VPN	2	Lecture	PPT
5.5	Security in the Link Layer – PPP	2	Lecture	PPT
5.6	RADIUS – TACSCS	2	Demonstration	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify the functionalities of Networking layers of both OSI and TCP/IP reference models.	K2, K4	PSO1 & PSO2
CO 2	Analyze the design issues of Datalink layer and techniques to resolve it.	K2, K3, K4	PSO2 & PSO3
CO 3	Compare the principles of Internet protocols and Routing algorithm. Predict the TCP and UDP related procedures	K2 , K4	PSO3
CO 4	Outline the Application layer protocols.	K2, K3,K4 & K5	PSO1 & PSO4
CO 4	Examine and Explore Network Security Protocols	K2,K3,K4 & K5	PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	2	1	1
CO3	3	1	3	1	1
CO4	2	1	1	3	1
CO5	1	1	1	3	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12
CO1	3	3	1	2	2	3	3	1	1	3	1	2
CO2	1	2	2	2	3	2	2	3	1	2	3	2
CO3	1	3	1	2	2	3	3	1	3	3	2	3
CO4	2	2	3	3	1	1	2	1	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	2	1	2

COURSE DESIGNER:

B.USHA

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HOD'S Signature & Name

(S. MARY HELAN FELISTA)

I MCA

SEMESTER – II

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA203	PROGRAMMING IN JAVA	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides an exhaustive coverage of Core Java programming language features like OOPS and GUI programming.

COURSE OBJECTIVE

- To understand the basic Java programming constructs
- To develop program by using OOPS concept.
- To handle Packages, Exception , Basics of AWT
- To create and manipulate databases in Java using JDBC
- To Gain a knowledge on the web development frameworks of Java

UNIT – I **(12 Hours)**

INTRODUCTION TO OOP IN JAVA

An overview of Java – Object Oriented Programming – Introduction to classes – Class fundamentals – Declaring object – Introducing Methods - Constructors– The this keyword- Methods and Classes – Overloading Methods and Constructors – Object as Parameter – Argument passing – Returning objects.

SELF STUDY: Methods and Classes

UNIT – II **(12 Hours)**

INHERITANCE, PACKAGES AND INTERFCES

Inheritance Basics – Using Super – Creating a Multilevel Hierarchy - Method Overriding –Dynamic Method Dispatch – Abstract Classes – Final with Inheritance

Packages - Access protection – Importing Packages

Interfaces – Default Interface Methods – Static methods in an Interface.

SELF STUDY: Static methods in an Interface

UNIT - III **(12 Hours)**

EXCEPTION HANDLING AND THREADS

Exception Handling fundamentals - Exception Types – Uncaught Exceptions - Using try and catch – Multiple catch – Nested try statements – Built-in Exceptions.

Multithreaded Programming – Java Thread Model – Main Thread - Creating a Thread – Creating Multiple Threads –Using isAlive() and join() - Thread Priorities – Synchronization – Inter-thread communication – Suspending, Resuming and Stopping Threads.

SELF STUDY: Built-in Exceptions

UNIT – IV **(12 Hours)**

AWT CLASSES AND CONTROLS & JDBC

AWT classes – Window fundamentals – Frame windows – Creating Windowed program – AWT Control fundamentals - Labels – Buttons – Checkbox – Choice control – Lists – Scroll Bars – Text Field - Text Area –Layout Managers - Menu bars and Menus – Dialog boxes.

Introduction to JDBC – Installing JDBC – Basic JDBC Programming Concepts

SELF STUDY: Layout Managers

UNIT – V **(12 Hours)**

WEB DEVELOPMENT USING JAVA

SPRING - Spring framework-Advantages of Spring Framework -Spring Modules-Steps to create spring application-Spring MVC CRUD Example.

STRUTS– Introduction – Features - MVC framework – STRUTS architecture.

HIBERNATE - Introduction - Hibernate Framework -Advantages of Hibernate Framework -Hibernate Architecture - Steps to create Hibernate Application.

SELF STUDY: Spring MVC CRUD Example

REFERENCES:

1. Herbert Schildt, "JAVA the Complete Reference",9th Edition, Tata McGraw Hill,2016
2. Jim Keogh, "The Complete Reference J2EE", 3rd Edition, Tata McGraw Hill, Reprint 2010.

3. Ken Arnold, David Holmes, James Gosling,"The JAVA Programming Language", 3rd Edition, PrakashGoteti.
4. Christian Bauer, Gavin King, and Gary Gregory, Java Persistence with Hibernate, Second Edition, Manning Publications Co, 2019
5. Craig Walls, Spring in Action, Fifth Edition, Manning Publications,2018

WEB REFERENCES:

1. https://www.cs.cmu.edu/afs/cs.cmu.edu/user/gchen/www/download/java/LearnJava.pdf
2. https://lecturenotes.in/subject/73/java-programming-java

COURSE CONTENTS AND LECTURE SCHEDULE :

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION TO OOP IN JAVA				
1.1	An overview of Java – Object Oriented Programming	2	Chalk & Talk	Black Board
1.2	Introduction to classes – Class fundamentals	3	Chalk & Talk	Black Board
1.3	Declaring object – Introducing Methods	2	Discussion	PPT
1.4	Constructors– The this keyword	2	Chalk & Talk	Black Board
1.5	Methods and Classes – Overloading Methods and Constructors	1	Lecture	Black Board
1.6	Object as Parameter – Argument passing	1	Discussion	White board

1.7	Returning objects	1	Lecture	PPT
UNIT - 2 INHERITANCE, PACKAGES AND INTERFACES				
2.1	Inheritance Basics – Using Super	2	Lecture	PPT
2.2	Creating a Multilevel Hierarchy - Method Overriding	2	Chalk & Talk	Black Board
2.3	Dynamic Method Dispatch – Abstract Classes - Final with Inheritance	2	Lecture	PPT
2.4	Packages - Access protection	2	Lecture	White board
2.5	Importing Packages - Interfaces	2	Discussion	Black Board
2.6	Default Interface Methods – Static methods in an Interface	2	Chalk & Talk	Black Board
UNIT – 3 EXCEPTION HANDLING AND THREADS				
3.1	Exception Handling fundamentals - Exception Types	1	Lecture	White board
3.2	Uncaught Exceptions - Using try and catch	1	Chalk & Talk	Black Board
3.3	Multiple Catch - Nested try statements	2	Lecture	PPT
3.4	Built-in Exceptions	1	Lecture	White board
3.5	Multithreaded Programming - Java Thread Model	1	Lecture	PPT
3.6	Main Thread - Creating a Thread	1	Discussion	PPT
3.7	Creating Multiple Threads –Using isAlive() and join()	2	Chalk & Talk	Black Board

3.8	Thread Priorities – Synchronization - Inter-thread communication	2	Lecture	PPT
3.9	Suspending, Resuming and Stopping Threads.	1	Chalk & Talk	Black Board
UNIT - 4 AWT CLASSES AND CONTROLS & JDBC				
4.1	AWT classes - Window fundamentals – Frame windows	2	Lecture	PPT
4.2	Creating Windowed program	1	Lecture	PPT
4.3	AWT Control fundamentals - Labels – Buttons	2	Chalk & Talk	Black Board
4.4	Checkbox - Choice control – Lists - Scroll Bars – Text Field - Text Area	2	Chalk & Talk	Black Board
4.5	Layout Managers - Menu bars and Menus – Dialog boxes	1	Discussion	Black Board
4.6	Introduction to JDBC - Installing JDBC	2	Lecture	PPT
4.7	Basic JDBC Programming Concepts	2	Chalk & Talk	Black Board
UNIT – 5 WEB DEVELOPMENT USING JAVA				
5.1	Spring framework-Advantages of Spring Framework	2	Chalk & Talk	Black Board
5.2	Spring Modules-Steps to create spring application	2	Lecture	PPT
5.3	Spring MVC CRUD Example	2	Lecture	PPT
5.4	STRUTS – Introduction – Features - MVC framework – STRUTS architecture	2	Lecture	White board

5.5	HIBERNATE - Introduction - Framework -Advantages	2	Lecture	White board
5.6	Hibernate Architecture - Steps to create Hibernate Application	2	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Analyse the hierarchy of java classes to develop object oriented programs.	K2, K4	PSO1 & PSO5
CO 2	Design software in Java using Packages and Interfaces	K2, K3, K4	PSO1& PSO2
CO 3	Develop programs for handling Exceptions & implementing Multithreading concepts	K2 , K4	PSO1 & PSO3
CO 4	Implement Concepts of AWT for Creating GUI and JDBC connectivity	K2, K3,K4 & K5	PSO3 & PSO4
CO 5	Explore the frameworks in Java and develop applications for the basic CRUD operation using frameworks	K2,K3,K4 & K5	PSO1&PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	2	1	1	1
CO3	2	1	3	1	1
CO4	1	1	2	3	1
CO5	2	1	1	1	3

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	2	1	2	3	1	2	3	2	1
CO2	1	3	2	1	2	2	3	1	1	2	2	1
CO3	3	1	3	1	2	2	3	1	1	3	1	1
CO4	1	1	3	2	3	2	2	2	1	3	2	2
CO5	1	1	2	1	1	2	2	2	3	3	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER:

B.USHA

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HOD'S Signature & Name

(S. MARY HELAN FELISTA)

I MCA

SEMESTER – II

(For those who joined in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCA204	Lab III – WEB TECHNOLOGIES	MAJOR LAB	4	2

COURSE DESCRIPTION

This course provides information about two powerful technologies. Together, these two technologies provide a powerful platform for building database-driven Web applications.

COURSE OBJECTIVE

- To understand how client side and server-side programming works on the web.
- To Test, debug and deploy web pages containing PHP and MySQL.
- To create, read and process data in a MySQL database.

LAB LIST

1. Basic programs in HTML5, CSS3, JavaScript and jquery
2. Program for implementing mathematical functions.
3. Program for implementing string functions.
4. Program for Validating Registration Form.
5. Program to create Login form using PHP and MYSQL.
6. Program for online quiz using PHP and MYSQL.
7. Programs for manipulating MYSQL database
8. Program for uploading an image using PHP and MYSQL.
9. Program for Pagination using PHP and MYSQL.
10. Program for Cookie manipulation using PHP.
11. Program for Session manipulation using PHP.

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Design WebPages using server side scripting.	K1	PSO1, PSO2 & PSO3
CO 2	Use PHP built-in functions and custom functions for processing.	K1, K2,	PSO1, PSO3 & PSO4
CO 3	Create various interactive and dynamic websites	K1 & K3	PSO4 &PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	1	1
CO2	3	1	2	2	1
CO3	1	1	1	2	2

Mapping of C0s with POs

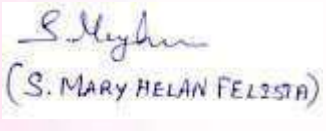
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	1	2	3	1	2	1	2
CO2	3	2	2	1	1	1	2	3	1	2	1	2
CO3	3	2	3	2	2	2	2	3	2	2	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated

COURSE DESIGNER **Forwarded By**

S. MARY HELAN FELISTA **HOD'S Signature & Name**



I MCA

SEMESTER - II

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA205	LAB IV – JAVA PROGRAMMING	MAJOR LAB	6	3

COURSE DESCRIPTION

This course provides experiential learning in the implementation of Core Java Programming.

COURSE OBJECTIVE

- To understand the basic Java programming constructs.
- To develop program by using OOPS concept.
- To handle Packages, Exception, Basics of AWT and Applets.
- To create and manipulate databases in Java using JDBC.

LAB LIST

1. Programs using Basic Programming Constructs.
2. Programs implementing Classes.
3. Programs for implementing Inheritance.
4. Programs for implementing Abstract Classes.
5. Programs for implementing a Stack Class.
6. Programs for implementing Constructor Overloading.
7. Programs for implementing Method Overloading.
8. Programs for implementing Method Overriding.
9. Programs for Handling Errors using Exception Handling.
10. Programs using Interfaces.
11. Programs on Packages.
12. Programs on Multithreading.
13. Programs in Applets.
14. Programs for Designing Graphical User Interface using AWT.
15. Programs for Data Base Management Systems using JDBC.

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand Java programming development environment, compiling, debugging, linking and executing a program..	K1	PSO1 & PSO3
CO 2	Analyze the complexity of problems, Modularize the problems into small modules and then convert them into programs.	K1 & K2	PSO2 & PSO3
CO 3	Understand and apply the in-built functions and customized functions for solving the problems	K1 & K3	PSO3 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	3	1	1
CO2	1	3	2	1	1
CO3	1	1	1	1	3

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	1	1	1	1	1	1	1	1	2
CO2	3	2	3	2	3	1	1	1	1	1	2	2
CO3	3	3	3	3	3	1	1	1	1	1	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S. JEBAPRIYA

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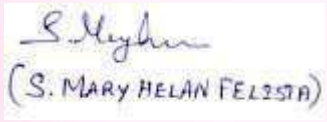
HOD'S Signature & Name



I MCA

SEMESTER – II
(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	24MCA206	SKILL BASED LAB II - MOBILE APP DESIGN	SKILL BASED LAB	2	1

COURSE DESCRIPTION

This course provides knowledge of developing applications for mobiles using native and hybrid frameworks.

COURSE OBJECTIVE

- Know the components and structure of mobile application development frameworks
- Learn the basic and important design concepts and issues of development of mobile applications.
- Write applications for the platforms used, simulate them, and test them on the mobile hardware where possible

LAB LIST FOR CREATING NATIVE APPLICATIONS USING ANDROID

1. Create Applications using Layouts.
2. Create Event Driven Applications.
3. Create Applications using Date and Time.
4. Create Applications to include Menus
5. Create an application for sending and receiving SMS
6. Creating Android Audio Video Application
7. Create an Application with One-Time, Repeating Alarms

8. Create an Application which uses Multiple Activities
9. Create an Application To Call Built In Applications.
10. Create an Application that implements database connectivity

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Install and configure Android application development tools.	K2, K4	PSO2
CO 2	Design and develop user Interfaces for the Android platform.	K2, K3, K4	PSO1& PSO2
CO 3	Apply Java programming concepts to Android application development.	K2 , K4	PSO1&PSO3
CO 4	Familiarisethe technology and business trends impacting mobile applications.	K2, K3,K4& K5	PSO1&PSO4
CO 5	Include database and maps in apps to facilitate societal centric applications	K2,K3,K4& K5	PSO1&PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	3	2	1	1
CO3	3	2	3	2	1
CO4	3	2	2	2	1
CO5	2	2	2	2	3

Mapping of C0s with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	3	1	2	2	1	1	3
CO2	3	2	3	2	1	3	1	1	2	2	2	2
CO3	3	3	3	3	2	2	1	1	2	2	2	3
CO4	3	2	2	2	2	2	1	1	2	2	1	2
CO5	3	3	2	2	1	3	2	1	2	1	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

B. USHA

Name Ushā. B

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HOD'S Signature &

S. Mary Helan Felista

(S. MARY HELAN FELISTA)

MCA

SEMESTER - II

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCA207	SOFT SKILL II – APTITUDE TRAINING	SOFT SKILL	2	2

COURSE DESCRIPTION

This course provides gamut of skills which facilitate the students to enhance their employability quotient and to establish a stronger connect with the technical environment in which they operate. It makes them think critically and apply basic mathematics skills to interpret data, draw conclusions and solve problems.

COURSE OBJECTIVE

- To improve aptitude, problem solving skills and reasoning ability.
- To comprehend the basic concepts of various domains of computer science.

SECTION 1 – ARITHMETIC ABILITY

1. Problems on Numbers
2. Problems on Ages
3. Time and Work
4. Time and Distance
5. Simple Interest
6. Permutation and Combination
7. Odd Man Out & Series

SECTION 2- REASONING

1. Logical Sequence of words
2. Blood Relations Test
3. Series Completion
4. Mirror Images.

SECTION 3- APTITUDE QUESTIONS ON

1. Computer Networks

2. RDBMS
3. Operating Systems
4. Data Structures
5. Object Oriented Programming

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
SECTION 1 – ARITHMETIC ABILITY				
1.1	Arithmetic ability	2	Lecture	White board
1.2	Problems on Numbers	2	Chalk & Talk	Black Board
1.3	Problems on Ages	2	Chalk & Talk	Black Board
1.4	Time and Work	2	Lecture	White board
1.5	Time and Distance	2	Chalk & Talk	Black Board
1.6	Simple Interest	2	Discussion	Black Board
1.7	Permutation	2	Chalk & Talk	Black Board
1.8	Combination	2	Lecture	White board
1.9	Odd Man Out	2	Chalk & Talk	Black Board
1.10	Odd Man Series	2	Lecture	White board
SECTION 2- REASONING				
2.1	Reasoning	2	Chalk & Talk	Black Board
2.2	Logical Sequence of words	2	Chalk & Talk	Black Board
2.3	Blood Relations Test	2	Lecture	White board
2.4	Series Completion	2	Chalk & Talk	Black Board
2.5	Mirror Images.	2	Discussion	Black Board
SECTION 3- APTITUDE QUESTIONS				
3.1	Computer Networks	2	Lecture	White board

3.2	RDBMS	2	Lecture	White board
3.3	Operating Systems	2	Lecture	White board
3.4	Data Structures	2	Lecture	White board
3.5	Object Oriented Programming	3	Lecture	White board

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Apply quantitative techniques to solve variety of problems.	K1	PSO1& PSO3
CO 2	Enhance the reasoning skills for employability.	K1, K2,	PSO2 & PSO3

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	3	1	1
CO2	1	3	2	1	1

Mapping of COs with Pos

PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	3	1	1	1	1	2	1	1	1	1
CO2	1	3	2	1	2	1	1	1	1	1	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated –2

♦ Weakly Correlated -**1**

COURSE DESIGNER:

S. JEBAPRIYA

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HOD'S Signature &

(S. MARY HELAN FELISTA)

II MCA

SEMESTER – III

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	24MCA302	SOFTWARE ENGINEERING PRINCIPLES	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides the fundamental perception of Software Engineering which includes process models, system requirements, understanding agile methodology andhigh level design.

COURSE OBJECTIVE

- To provide an insight into software life cycle and various software process models.
- To understand the methodologies for constructing software with high quality and reliability.
- To be familiar with agile methodology.
- To understand high level design and UML Diagram

UNIT –I INTRODUCTION TO SOFTWARE ENGINEERING & PROCESS MODELS

(12 Hours)

Software Engineering - Software Process - Process Models – Waterfall - Incremental - Evolutionary Process Model – Prototype - Spiral and concurrent Development Model - Agile Process - Extreme Programming (XP) - Brief Overview of Other Agile Process Models - Adaptive Software Development and Scrum.

SELF STUDY: Prototype

UNIT –II REQUIREMENT ENGINEERING

Requirements Engineering - Groundwork for Understanding of Software – Requirements - Overview of Eliciting Requirements - Developing Use Cases - Building the Requirements Model - Negotiating Requirements - Validating Requirements - Requirement Modelling Strategies - Overview of Flow Oriented Modelling - Behavioural Modelling.

SELF STUDY: Validating Requirements

UNIT – III DESIGN CONCEPTS (12 Hours)

Design Concepts, Design Model - Architectural Styles - Architectural Design - Assessing Alternative architectural Designs - Architectural mapping Using Data Flow - User Interface Design - Golden Rules of User Interface Design - User Interface Analysis and Design - Interface Analysis - Interface Design steps

SELF STUDY: Interface Analysis

UNIT – IV INTRODUCTION TO AGILE METHODOLOGY (12 Hours)

Agile Principles: 12 principles of Agile software - The customer is always right - Delivering the project - Communicating and working together - Project execution - Moving the project Along - Constantly Improving the Project and the Team - Agile Project: Bringing all the principles Together.

SELF STUDY: Delivering the project

UNIT - V HIGH LEVEL DESIGN (12 Hours)

Overview - What to specify – Security – Hardware - User Interface - Internal Interfaces - External Interfaces – Architecture – Reports - Other Outputs - Database (Audit trails, User Access, Database Maintenance) - Configuration Data - Data Flows and States – Training - UML Diagrams (Structure Diagram, Behavior Diagrams (Use case, Activity, State Diagram) -Interaction Diagrams - Sequence Diagram - Communication Diagram - Timing Diagram - Interaction Overview Diagram.

SELF STUDY: Timing Diagram

REFERENCES:

1. Roger S. Pressman ,"Software Engineering – APractitioner's Approach",7thEdition,McGrawHillPublications.
2. Andrew Stellman, Greene Jennifer , "Beginning Agile",Beginning Agile, O'Reilly
3. Rods Stephen , "Beginning SoftwareEngineering",WROX
4. Sommerville,"Software Engineering ", 8thEdition, Pearson Education

WEB REFERENCES:

1. https://www.tutorialspoint.com/software_engineering/
2. https://www.geeksforgeeks.org/software-engineering/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION TO SOFTWARE ENGINEERING & PROCESS MODELS				
1.1	Software Engineering - Software Process - Process Models	2	Chalk & Talk	Black Board
1.2	Waterfall - Incremental	2	Lecture	PPT & White board
1.3	Evolutionary Process Model – Prototype	2	Lecture	PPT & White board
1.4	Spiral and concurrent Development Model - Agile Process	2	Lecture	PPT & White board
1.5	Extreme Programming (XP)- Brief Overview of Other Agile Process Models	2	Lecture	PPT
1.6	Adaptive Software Development and Scrum.	2	Lecture	PPT
UNIT 2 - REQUIREMENT ENGINEERING				
2.1	Requirements Engineering - Groundwork for Understanding of Software	2	Discussion	Black Board
2.2	Requirements - Overview of Eliciting Requirements	2	Lecture	Google classroom
2.3	Developing Use Cases - Building the Requirements Model	2	Lecture	PPT
2.4	Negotiating Requirements - Overview of Flow Oriented Modelling	3	Lecture	Smart Board
2.5	Behavioural Modelling.	3	Lecture	Black Board
UNIT 3 –DESIGN CONCEPTS				

3.1	Design Concepts, Design Model - Architectural Styles	2	Discussion	Black Board
3.2	Architectural Design - Assessing Alternative architectural Designs	2	Lecture	PPT
3.3	Architectural mapping Using Data Flow - User Interface Design	2	Lecture	PPT & White board
3.4	Golden Rules of User Interface Design - User Interface Analysis and Design	3	Lecture	Smart Board
3.5	Interface Analysis - Interface Design steps	3	Lecture	Black Board
UNIT 4 – INTRODUCTION TO AGILE METHODOLOGY				
4.1	Agile Principles: 12 principles of Agile software -The customer is always right	3	Lecture	PPT
4.2	Communicating and working together	3	Lecture	PPT
4.3	Project execution - Moving the project Along	1	Lecture	PPT
4.4	Constantly Improving the Project and the Team	2	Lecture	PPT
4.5	Agile Project: Bringing all the principles Together	3	Discussion	White Board
UNIT -5 – HIGH LEVEL DESIGN				
5.1	Overview - What to specify- Security – Hardware	1	Lecture	PPT
5.2	User Interface - Internal Interfaces - External Interfaces	1	Lecture	PPT
5.3	Architecture – Reports - Other Outputs	2	Lecture	PPT
5.4	Database (Audit trails, User Access, Database Maintenance)	2	Lecture	PPT

5.5	Configuration Data - Data Flows and States – Training	2	Lecture	PPT
5.6	UML Diagrams- Interaction Diagrams - Sequence Diagram	2	Lecture	PPT
5.7	- Communication Diagram - Timing Diagram - Interaction Overview Diagram.	2	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5****– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand the concepts of software engineering, software process model.	K2, K4	PSO1 & PSO2
CO 2	Analyse to select and apply appropriate process model to all stages of softwaredevelopment life cycle (SDLC),requirements engineering and how tomanage user's requirement	K2, K3, K4	PSO2
CO 3	Identify design concepts and user interface	K2 , K4	PSO3 & PSO4
CO 4	Understand agile methodology	K2, K3,K4 & K5	PSO1 & PSO4
CO 5	Understand high level design and UML Diagram	K2,K3,K4 & K5	PSO1 & PSO2

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	1	1	1
CO3	1	1	3	2	1
CO4	3	1	1	2	1
CO5	3	2	1	1	1

Mapping of COs with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	1	2	1	1	1	1	1	2	1
CO2	1	2	1	1	2	1	2	1	1	1	3	1
CO3	1	2	1	1	2	3	1	1	1	1	3	1
CO4	1	3	1	1	3	1	2	1	1	1	2	1
CO5	3	2	1	1	2	2	3	1	1	1	2	1

Note: ♦Strongly Correlated – **3** ♦Moderately Correlated – **2**

♦Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

P.NANCY VINCENTINA MARY **HOD'S Signature & Name**

P. Nancy

(S. MARY HELAN FELISTA)

II MCA

SEMESTER – III
(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	24MCA303	CLOUD COMPUTING	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides a comprehensive study of cloud concepts and capabilities across the various Cloud service models including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), and Identity as a Service (IDaaS)

COURSE OBJECTIVES

- To introduce the broad perceptive of cloud architecture and model
- To Gain knowledge on the concept of Virtualization and design of cloud Services
- To understand the issues on cloud storage & security.

UNIT–I **(12 Hours)**

BASICS OF CLOUD COMPUTING AND CLOUD ARCHITECTURE

Defining Cloud Computing - Cloud Types - The NIST model - The Cloud Cube Model - Deployment models - Service models -Examining the Characteristics of Cloud Computing - Paradigm shift - Benefits of cloud computing - Disadvantages of cloud computing - Understanding Cloud Architecture - Exploring the Cloud Computing Stack - Infrastructure - Platforms - Virtual Appliances - Communication Protocols – Applications. **SELF STUDY:**Paradigm shift.

UNIT–II CLOUD SERVICES AND APPLICATIONS **(12 Hours)**

Understanding Services and Applications by Type - Defining Infrastructure as a Service (IaaS) - IaaS workloads - Pods, aggregation, and silos - Defining Platform as a Service (PaaS) - Defining Software as a Service (SaaS) - SaaS characteristics - Open SaaS and SOA.

SELF STUDY: Open SaaS and SOA

UNIT–III ABSTRACTION VS. VIRTUALIZATION (12 Hours)

Understanding Abstraction and Virtualization - Using Virtualization Technologies -Load Balancing and Virtualization - Advanced load balancing - The Google cloud - Understanding Hypervisors -Virtual machine types - VMware vSphere - Understanding Machine Imaging - Porting Applications - The Simple Cloud API - AppZero Virtual Application Appliance - Using PaaS Application Frameworks – Drupal - Using SaaS Application Frameworks - Google App Engine – Using IaaS Application Frameworks - Amazon Elastic Compute Cloud (EC2).

SELF STUDY: Virtual machine types

UNIT–IV CLOUD MANAGEMENT AND CLOUD SECURITY (12 Hours)

Managing the Cloud - Administrating the Clouds - Management responsibilities - Lifecycle management - Cloud Management Products - Cloud Security - Securing the Cloud - The security boundary - Security service boundary - Security mapping - Securing Data - Brokered cloud storage access - Storage location and tenancy - Encryption - Auditing and compliance

SELF STUDY : Cloud Management Products

UNIT–V (12 Hours)

CLOUD BASED STORAGE AND COMMUNICATING WITH CLOUD

Working with Cloud-Based Storage –Measuring the Digital Universe - Cloud storage in the Digital Universe - Cloud storage definition - Provisioning Cloud Storage - Unmanaged cloud storage - Managed cloud storage - Creating cloud storage systems - Virtual storage containers -Exploring Cloud Backup Solutions - Backup types -Cloud backup features - Cloud attached backup - Cloud Storage Interoperability - Cloud Data Management Interface (CDMI) -Open Cloud Computing Interface (OCCI) - Communicating with the Cloud - Exploring Instant Messaging - Instant messaging clients - Instant messaging interoperability - Micro-blogs or Short Message Services.

SELF STUDY: Virtual storage containers

REFERENCES:

1. Barrie Sosinsky, “Cloud Computing Bible”, Wiley India Pvt. Ltd, 2020.

2. John W.RittingHouse, James F.Ransome, "Cloud Computing Implementation, Management and Security", CRC Press, 2013.
3. Kris Jamsa, Jones &Bartlett , "Cloud Computing" , Learning Publishers 2014.
4. Anthony T. Velte, Toby J. Velte, RoberElsenpeter, "Cloud Computing – A Practical Approach" , Mc Graw Hill publications, 2013.
5. Rajkumarbuyya, James Broberg, Andrzej Goscinski, " Computing Principles & Paradigms", Wiley India Pvt. Ltd., 2013.

WEB REFERENCES:

1. https://lecturenotes.in/subject/366/cloud-computing-cc
2. https://www.guru99.com/cloud-computing-for-beginners.html

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT-I BASICS OF CLOUD COMPUTING AND CLOUD ARCHITECTURE				
1.1	Defining Cloud Computing, Cloud Types	1	Chalk & Talk	Black Board
1.2	The NIST model, The Cloud Cube Model	1	PPT	LCD
1.3	Deployment models, Service models	2	Flipped Classroom	LMS tool - Edmodo and LCD
1.4	Examining the Characteristics of Cloud Computing	1	PPT	LMS tool - Edmodo and LCD
1.5	Paradigm shift, Benefits of cloud computing	1	Group Discussion	White Board
1.6	Disadvantages of cloud computing, Understanding Cloud Architecture	2	Flipped Classroom	LMS tool - Edmodo and LCD
1.7	Exploring the Cloud Computing Stack	1	PPT	LMS tool - Edmodo and LCD
1.8	Infrastructure, Platforms	1	Brain Storming	White Board

			and Mind mapping	
1.9	Virtual Appliances, Communication Protocols , Applications	2	Lecture	Presentation using PPT
UNIT-IICLOUD SERVICES AND APPLICATIONS				
2.1	Understanding Services and Applications by Type	2	Flipped Classroom	LMS tool - Edmodo and LCD
2.2	Defining Infrastructure as a Service (IaaS)	2	Flipped Classroom	LMS tool - Edmodo and LCD
2.3	IaaS workloads, Pods, aggregation, and silos	2	Flipped Classroom	LMS tool - Edmodo and LCD
2.4	Defining Platform as a Service (PaaS)	2	Flipped Classroom	LMS tool - Edmodo and LCD
2.5	Defining Software as a Service (SaaS)	2	PPT	LMS tool - Edmodo and LCD
2.6	SaaS characteristics	1	PPT	LMS tool - Edmodo and LCD
2.7	Open SaaS and SOA	1	Lecture	Presentation using PPT
UNIT-III ABSTRACTION VS. VIRTUALIZATION				
3.1	Understanding Abstraction and Virtualization	1	Flipped Classroom	LMS tool - Edmodo and LCD
3.2	Using Virtualization Technologies	1	Flipped Classroom	LMS tool - Edmodo and LCD
3.3	Load Balancing and Virtualization, Advanced load balancing	2	PPT	LMS tool - Edmodo and LCD
3.4	The Google cloud	1	PPT	LMS tool - Edmodo and

				LCD
3.5	Understanding Hypervisors, Virtual machine types, VMware vSphere	1	Chalk and Talk	Blackboard
3.6	Understanding Machine Imaging, Porting Applications, The Simple Cloud API,AppZero Virtual Application Appliance	2	PPT	LMS tool - Edmodo and LCD
3.7	Using PaaS Application Frameworks, Drupal	1	Flipped Classroom	LMS tool - Edmodo and LCD
3.8	Using SaaS Application Frameworks, Google App Engine	1	Flipped Classroom	LMS tool - Edmodo and LCD
3.9	Using IaaS Application Frameworks	1	Flipped Classroom	LMS tool - Edmodo and LCD
3.10	Amazon Elastic Compute Cloud (EC2)	1	Lecture	Presentation using PPT
UNIT-IV CLOUD MANAGEMENT AND CLOUD SECURITY				
4.1	Managing the Cloud, Administrating the Clouds	1	Chalk and Talk	Blackboard
4.2	Management responsibilities	1	Chalk and Talk	Blackboard
4.3	Lifecycle management	1	Chalk and Talk	Blackboard
4.4	Cloud Management Products	1	Flipped Classroom	LMS tool - Edmodo and LCD
4.5	Cloud Security	1	PPT	LMS tool - Edmodo and LCD
4.6	Securing the Cloud	1	PPT	LMS tool - Edmodo and LCD
4.7	The security boundary, Security service boundary	2	PPT	LMS tool - Edmodo and LCD
4.8	Security mapping	1	Flipped Classroom	LMS tool - Edmodo and LCD

4.9	Securing Data	1	Flipped Classroom	LMS tool - Edmodo and LCD
4.10	Brokered cloud storage access Storage location and tenancy	1	Flipped Classroom	LMS tool - Edmodo and LCD
4.11	Encryption , Auditing and compliance	1	Lecture	Presentation using PPT
UNIT-V CLOUD BASED STORAGE AND COMMUNICATING WITH CLOUD				
5.1	Working with Cloud-Based Storage, Measuring the Digital Universe, Cloud storage in the Digital Universe	1	Flipped Classroom	LMS tool - Edmodo and LCD
5.2	Cloud storage definition, Provisioning Cloud Storage, Unmanaged cloud storage, Managed cloud storage	2	Flipped Classroom	LMS tool - Edmodo and LCD
5.3	Creating cloud storage systems, Virtual storage containers	1	Flipped Classroom	LMS tool - Edmodo and LCD
5.4	Exploring Cloud Backup Solutions, Backup types, Cloud backup features, Cloud attached backup	2	PPT	LMS tool - Edmodo and LCD
5.5	Cloud Storage Interoperability, Cloud Data Management Interface (CDMI), Open Cloud Computing Interface (OCCI)	2	PPT	LMS tool - Edmodo and LCD
5.6	Communicating with the Cloud, Exploring Instant Messaging, Instant messaging clients	2	PPT	LMS tool - Edmodo and LCD
5.7	Instant messaging interoperability, Micro-blogs or Short Message Services	2	PPT	LMS tool - Edmodo and LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO1	Examine the characteristics of Cloud Computing and the architecture	K2, K4	PSO1
CO2	Define Infrastructure and Identify service models.	K2, K3, K4	PSO2, PSO3
CO3	Relate abstraction and virtualization and cloud computing frameworks.	K2 , K4	PSO3
CO4	Manage and administrate cloud.	K2, K3, K4& K5	PSO4, PSO5

CO5	Explore cloud based storage and collaboration technologies.	K2,K3, K4& K5	PSO3, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	1	1	1
CO2	1	3	3	1	1
CO3	1	1	3	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	2	1	2	1	2
CO2	1	2	3	2	3	2	2	3	1	2	1	2
CO3	1	3	1	2	2	3	3	1	3	3	2	3
CO4	2	2	3	3	1	1	2	2	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	2	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

B.USHA **HOD'S Signature & Name**

(S. MARY HELAN FELISTA)

II MCA

SEMESTER – III

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	23MCA304	APPLICATION DEVELOPMENT FRAMEWORK	MAJOR CORE	4	4

COURSE DESCRIPTION

This course provides an in depth understanding of application development frameworks, focusing on the essential tools and techniques required to build efficient, scalable and responsive applications. ASP.NET MVC gives a powerful, patterns-based way to build dynamic websites that gives full control over markup for application development.

COURSE OBJECTIVE

- To understand the core concepts of application frameworks and MVC architecture.
- To create and modify multi-page web form applications
- To develop responsive, scalable and dynamic applications.

UNIT- I INTRODUCTION TO .NET FRAMEWORK AND ASP .NET 3.5

(12 Hours)

Introduction to .NET - Benefits of .NET Framework - Architecture of .NET Framework - Components of .NET framework 4.0 - CLR - CTS - Introduction to ASP.NET - Versions of ASP.NET – Benefits of ASP.NET - Introducing the Visual Studio 2008 IDE – Exploring the Visual Studio 2008 IDE - Creating a sample web site.

SELF STUDY: Benefits of ASP.NET

UNIT- II ASP.NET CONTROLS **(12 Hours)**

Standard controls - Webcontrol class - Label control - TextBox Control - Button Control - ListBox Control - RadioButton Control - Navigation controls - SiteMapPath Control - Menu Control - TreeView Control - Validation controls - BaseValidator Class - RequiredFieldValidator Control - Range Validator Control - RegularExpression Validator Control - CompareValidator - CustomValidator Control - ValidationSummary Control - Login controls - LoginView Control - LoginName Control - LoginStatus Control - PasswordRecovery Control.

SELF STUDY: CustomValidator Control

UNIT- III IMPLEMENTING MASTER PAGES, THEMES AND ADO.NET

(12 Hours)

Implementing Master pages and Themes - Creating Simple Master Pages - Creating Nested Master Pages - Themes - Creating Themes - Applying Themes on Controls - Introducing ADO.NET - New Features in ADO.NET - Components of ADO.NET - Basic Operations in ADO.NET - Creating a Connections to a Database - Executing Commands by using a Command Object - Adding and Configuring a Data Adapter - Creating a Dataset - Data Adapter to retrieve the Data.

SELF STUDY: Adding and Configuring a Data Adapter

UNIT – IV INTRODUCTION TO ASP.NET MVC & CONTROLLERS

(12 Hours)

How ASP.NET MVC Fits in with ASP.NET - The MVC Pattern - MVC as Applied to Web Frameworks - The Road to MVC 3 - Razor View Engine - Validation Improvements - Advanced Features - Creating an MVC 3 Application - Software Requirements for ASP.NET MVC 3 - Installing ASP.NET MVC 3 - Creating an ASP.NET MVC 3 Application - The New ASP.NET MVC 3 Dialog - Understanding the MVC Application - The Controller's Role - A Brief History of Controllers - Controller Basics.

SELF STUDY: The New ASP.NET MVC 3 Dialog

UNIT – V VIEWS & MODELS **(12 Hours)**

What a View Does - Specifying a View - Strongly Typed Views - View Models - Adding a View - Razor View Engine - What is Razor? - Code Expressions - Html Encoding - Code Blocks - Razor Syntax Samples - Layouts - Specifying a Partial View - The View Engine - New View Engine or New ActionResult? - Modeling the Music Store - Scaffolding a Store Manager - What Is Scaffolding? - Scaffolding and the Entity Framework - Executing the Scaffolding Template - Executing the Scaffolded Code - Editing an Album - Building a Resource to Edit an Album - Responding to the Edit POST Request - Model Binding.

SELF STUDY: Modeling the Music Store

REFERENCES:

1. ASP.NET MVC Framework Unleased, Stephen Walther, Pearson Education Inc., 2010

2. ASP.NET MVC 5: A Beginner's Guide, Vincent Maverick.
3. Pro ASP.NET MVC 5, Adam Freeman, O'Reilly, Fifth Edition, 2013

WEB REFERENCES:

1. https://dotnet.microsoft.com/apps/aspnet/mvc
2. https://www.tutorialsteacher.com/mvc/asp.net-mvc-tutorials

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1- INTRODUCTION TO .NET FRAMEWORK AND ASP .NET 3.5				
1.1	Introduction to .NET - Benefits of .NET Framework	2	Chalk & Talk	Black Board
1.2	Architecture of .NET Framework - Components of .NET framework 4.0 - CLR - CTS	3	Lecture	PPT
1.3	Introduction to ASP.NET - Versions of ASP.NET – Benefits of ASP.NET	2	Discussion	Black Board
1.4	Introducing the Visual Studio 2008 IDE	2	Chalk & Talk	PPT
1.5	Exploring the Visual Studio 2008 IDE - Creating a sample web site	3	Discussion	Black Board
UNIT 2 - ASP.NET CONTROLS				
2.1	Standard controls - Webcontrol class - Label control - TextBox Control - Button Control - ListBox Control - RadioButton Control - Navigation controls	3	Lecture	Black Board
2.2	SiteMapPath Control - Menu Control - TreeView Control - Validation controls - BaseValidator Class - RequiredFieldValidator Control - Range Validator Control	3	Chalk & Talk	PPT
2.3	RegularExpression Validator Control - CompareValidator - CustomValidator Control - ValidationSummary Control	3	Chalk & Talk	Black Board

2.4	Login controls - LoginView Control - LoginName Control - LoginStatus Control - PasswordRecovery Control.	3	Chalk & Talk	PPT
UNIT 3 – IMPLEMENTING MASTER PAGES, THEMES AND ADO.NET				
3.1	Implementing Master pages and Themes - Creating Simple Master Pages	2	Lecture	White board
3.2	Creating Nested Master Pages - Themes - Creating Themes - Applying Themes on Controls	3	Chalk & Talk	Black Board
3.3	Introducing ADO.NET - New Features in ADO.NET - Components of ADO.NET	2	Lecture	PPT
3.4	Basic Operations in ADO.NET - Creating a Connections to a Database	1	Lecture	Black Board
3.5	Executing Commands by using a Command Object - Adding and Configuring a Data Adapter	2	Lecture	PPT
3.6	Creating a Dataset - Data Adapter to retrieve the Data	2	Chalk & Talk	Black Board
UNIT 4 - INTRODUCTION TO ASP.NET MVC & CONTROLLERS				
4.1	How ASP.NET MVC Fits in with ASP.NET - The MVC Pattern	1	Lecture	PPT
4.2	MVC as Applied to Web Frameworks - The Road to MVC 3 - Razor View Engine - Validation Improvements	1	Lecture	Black Board
4.3	Advanced Features - Creating an MVC 3 Application	2	Lecture	Black Board
4.4	Software Requirements for ASP.NET MVC 3 - Installing ASP.NET MVC 3	2	Chalk & Talk	PPT
4.5	Creating an ASP.NET MVC 3 Application - The New ASP.NET MVC 3 Dialog	2	Lecture	PPT

4.6	Understanding the MVC Application - The Controller's Role	2	Chalk & Talk	Black Board
4.7	A Brief History of Controllers - Controller Basics	2	Lecture	PPT
UNIT 5 - VIEWS & MODELS				
5.1	What a View Does - Specifying a View - Strongly Typed Views - View Models	1	Lecture	PPT
5.2	Adding a View - Razor View Engine - What is Razor? - Code Expressions – Html Encoding	2	Chalk & Talk	Black Board
5.3	Code Blocks - Razor Syntax Samples - Layouts - Specifying a Partial View	1	Lecture	PPT
5.4	The View Engine - New View Engine or New ActionResult? - Modeling the Music Store - Scaffolding a Store Manager	2	Chalk & Talk	Black Board
5.5	What Is Scaffolding? - Scaffolding and the Entity Framework - Executing the Scaffolding Template	2	Lecture	PPT
5.6	Executing the Scaffolded Code - Editing an Album - Building a Resource to Edit an Album	2	Chalk & Talk	Black Board
5.7	Responding to the Edit POST Request - Model Binding	2	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5Mks .	50 Mks .	
K1	-	-	-	**-**	**-**		**-**	**-**
K2	-	5	5	**2.5**	**12.5**		**12.5**	**25%**
K3	5	-	-	**5**	**10**		**10**	**20%**
K4	5	5	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	5	5	-	**10**		**10**	**20%**
Non-Scho.	**-**	**-**	-	**-**	**-**	**5**	5	**10%**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100%**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

CIA Components			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

***The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Develop responsive and interactive applications using ASP.NET frameworks.	K2, K4	PSO1 & PSO2
CO 2	Identify and utilize various ASP.NET controls including validation and navigation controls	K2, K3, K4	PSO1 & PSO2
CO 3	Create and manage a consistent layout across multiple pages using master pages	K2 , K4	PSO1 & PSO3
CO 4	Deploying and configuring ASP.Net MVC Applications	K2, K3,K4 & K5	PSO1 & PSO4
CO 5	Apply the concept of view and models	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	2	3	1	1	1
CO3	3	1	3	1	1
CO4	3	1	1	2	1
CO5	1	1	1	3	2

Mapping of COs with POs

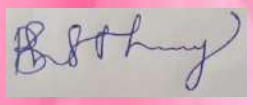
CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	1	2	1	1	2	2	1	1	1
CO2	3	2	3	2	1	1	1	1	2	2	2	2
CO3	3	2	3	1	2	2	1	1	2	2	1	1
CO4	3	2	3	1	2	2	1	1	2	2	1	2
CO5	3	1	3	2	1	1	2	1	2	1	1	2

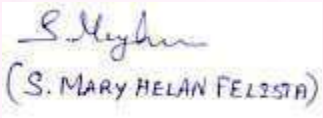
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

R.SMEETA MARY **HOD'S Signature**





II MCA

SEMESTER – III

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	23MCA305	LAB V - FULL STACK DEVELOPMENT	CORE	6	3

COURSE DESCRIPTION

This course givesoverview on end-to-end development of applications. It includes both the front end and back end of an application. The front end is usually accessed by a client, and the back end forms the core of the application where all the business logic is applied

COURSE OBJECTIVES

- To get familiar with the Develop back end website applications
- Learn all about responsiveness of applications
- Learn to create an end-to-end application independently

LAB LIST

1. Create a Simple Login form
2. Create a Tourism website
3. Create an online newspaper website
4. Create an online ticket booking website
5. Create an online feedback system
6. Create an E-commerce website
7. Create Food Delivery Website and Application
8. Create To-Do List Projects
9. Create Blog Website and Application
10. Create Chat Application and Website
11. Create Portfolio Website
12. Create Content Management System

13. Create an Application for Grocery Delivery
14. Create a Hotel Reservation Project

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Develop front end and back end website applications	K2	PSO1, PSO2 & PSO3
CO 2	Effectively manage website projects using available resources.	K2, K3, K4	PSO3 & PSO4
CO 3	Apply basic design principles to present ideas, information, products, and services on websites.	K2, K3 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	1	1
CO2	1	1	2	3	1
CO3	1	1	1	2	2

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	2	2	2	1	2	1	2
CO2	3	1	2	1	3	2	2	3	1	2	1	2
CO3	3	2	3	2	2	3	2	3	2	2	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S. Mary Helan Felista

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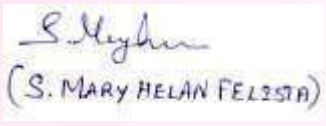


II MCA

SEMESTER – III

(For those who joined in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCA306	LAB VI – APPLICATION DEVELOPMENT FRAMEWORKS	MAJOR LAB	4	2

COURSE DESCRIPTION

This lab course provides the experience in creating, debugging, testing & deploying dynamic web applications. It also gives thorough coverage of the use of MVC for creating web applications.

COURSE OBJECTIVE

- To introduce .Net IDE Component Framework.
- To create MVC application.
- To create websites using ASP.Net Controls.

LAB LIST

1. Create a program to connect with database and manipulate the records in the database using ADO.NET
2. Create a program to implement the concepts of OOPS for creating class, inheritance
3. Create a program to perform input validation using procedures.
4. Create a program to perform validation using validation controls.
5. Create a program in ASP .NET to connect with the database using ADODB.
6. Write a program to Handle Exceptions.
7. Create different websites using MVC.
8. Develop a web application with 2-tier architecture.
9. Develop an employee management application using three tier architecture
10. Grid view using ASP.NET

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Create user interactive web pages using ASP.Net.	K1	PSO1, PSO2 & PSO3
CO 2	Create data binding applications using ADO.Net connectivity.	K1, K2,	PSO1, PSO3 & PSO4
CO 3	Performing Database operations for web applications using MVC.	K1 & K3	PSO4 &PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	1	1
CO2	3	1	2	2	1
CO3	1	1	1	2	2

Mapping of C0s with POs

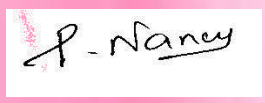
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	1	2	3	1	2	1	2
CO2	3	2	2	1	1	1	2	3	1	2	1	2
CO3	3	2	3	2	2	2	2	3	2	2	1	3

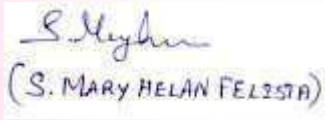
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated

COURSE DESIGNER **Forwarded By**

P.NANCY VINCENTINA MARY **HOD'S Signature & Name**





II MCA

SEMESTER – II

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	24MCA307	SKILL BASED LAB III - DOMAIN STUDY	SKILL BASED LAB	2	1

COURSE DESCRIPTION

This course provides knowledge of developing valuable research skills and the ability to critically evaluate and communicate complex ideas within their chosen domain.

COURSE OBJECTIVE

- To make the student knowledgeable on the recent research issues and trends.
- To train the students to critically evaluate a set of research topics on a particular domain.
- To prepare the students for future academic pursuits, professional endeavours, and contributions to the field of computer science.

STEPS TO BE ADHERED:

The domain can be on the area of interest. The student has to finally summarize the findings and present it as a research paper. Evaluation is based on the ability to understand, communicate, and identify the issues on a topic.Presentation will be done every week, based on the reviews and the comments report has to be submitted.

1. Selecting the Domain and identifying research topics
2. Preparation of review on the topic
3. SWOT analysis
4. Summarize the findings

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Possess advanced research skills applicable to their chosen domain	K2	PSO1
CO 2	Demonstrate the ability to critically evaluate complex ideas and theories within their field of study	K2, K3, K4	PSO1 & PSO2
CO 3	Effectively communicate research findings and insights through various mediums, including written reports, presentations, and discussions.	K2 & K3	PSO3

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	1	1	1
CO2	2	3	1	1	1
CO3	1	1	3	1	1

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	3	2	1	2	1	1	2	1	3	2
CO2	1	3	2	1	3	2	2	2	1	2	1	1
CO3	1	1	3	2	1	3	3	1	1	2	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S. SELVARANI

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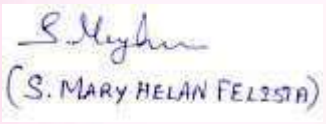
HOD'S Signature & Name



II MCA

SEMESTER – III

(For those who joined in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCA308	SOFT SKILL III – INTERPERSONAL SKILLS FOR CORPORATE READINESS	SOFT SKILL	2	2

COURSE DESCRIPTION

This course provides the skills needed to find a job and also the skills needed to excel at the time of entering a career.

COURSE OBJECTIVES

- To impart the importance of Interpersonal skills in the working environment

UNIT- I Simulating an Interview

Telephone Interviews

a. How to dress
b. Body language
c. Case Interview

UNIT - II Team Skills Development

a. Quick plan exercise
b. Group connections activity
c. Coded team communication activity
d. Personality tree exercise
e. Management and leadership training

UNIT – III Time Management Skills

a. Individual Target achievement activity
b. Group Target activity

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 Simulating an Interview				
1.1	Telephone Interviews	1	Chalk & Talk	Black Board
1.2	How to dress	1	Chalk & Talk	LCD
1.3	Body language	4	Lecture	PPT & White board
1.4	Case Interview	1	Lecture	Smart Board
UNIT -2 Team Skills Development				
2.1	Quick plan exercise	1	Lecture	Green Board Charts
2.2	Group connections activity	2	Chalk & Talk	Green Board
2.3	Coded team communication activity	1	Lecture	Smart Board
2.4	Personality tree exercise	1	Lecture	Black Board
2.5	Management and leadership training	2	Discussion	Google classroom
2.1	Quick plan exercise	1	Lecture	Green Board Charts
2.2	Group connections activity	2	Chalk & Talk	Green Board
2.3	Coded team communication activity	1	Lecture	Smart Board
2.4	Personality tree exercise	1	Lecture	Black Board
2.5	Management and leadership training	2	Discussion	Google classroom
UNIT -3 Time Management Skills				
3.1	Individual Target achievement activity	5	Discussion	Google classroom
3.2	Group Target activity	4	Discussion	Google classroom

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Develop skills for producing high quality etiquettes at the time of interviews	K2	PSO1, PSO4
CO 2	Exhibit competencies expected by employers	K2, K3, K4	PSO4
CO 3	Demonstrate emotional intelligence and inter cultural competencies and to be ready to work in teams	K2, K3& K5	PSO4 &PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	1	3	1
CO2	1	1	1	3	1
CO3	1	1	1	2	3

Mapping of C0s with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	2	2	2	1	3	3
CO2	1	1	1	2	1	1	3	2	2	2	2	2
CO3	1	1	1	1	1	1	2	2	3	2	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

B.USHA

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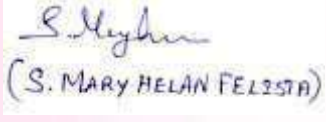


I MCA

SEMESTER – I

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCADA01	DATA MINING TECHNIQUES	SPECIALIZATION ELECTIVE – DATA ANALYTICS	4	4

COURSE DESCRIPTION

This course provides the basic concepts, principles, methods, implementation techniques and applications of data mining.

COURSE OBJECTIVE

- To know then scope and necessity of Data mining for the Society.
- To understand & analyze the various algorithms for Knowledge Extraction.
- To acquire the basic knowledge of various data mining techniques through Weka tool.

UNIT- I INTRODUCTION (12 Hours)

What is Data Mining? , Data Mining: Definitions, KDD vs Data Mining, Stages of KDD, DBMS vs DM, Other Related Areas, DM Techniques, Other Mining Problems, Issues and Challenges in DM.

SELF STUDY: Issues and Challenges in DM

UNIT-II ASSOCIATION RULES (12 Hours)

What is an Association Rule?, Methods to discover Association Rules, A Priori Algorithm, Partition Algorithm, Pincer Search Algorithm, FP-tree Growth Algorithm, Discussion on different algorithms, Generalized Association Rule.

SELF STUDY: Discussion on different algorithms

UNIT-III CLUSTERING TECHNIQUES (12 Hours)

Clustering paradigms, Partitioning Algorithms, k-Medoid Algorithms, CLARA, CLARANS, Hierarchical Clustering, DBSCAN.

SELF STUDY: Hierarchical Clustering

UNIT-IV WEB MINING (12 Hours)

Web Mining, Web Content Mining, Web Structure Mining, Web Usage Mining, Text Mining - Temporal and spatial data mining - What is Temporal Data Mining? , Temporal Association Rules, Sequence Mining, The GSP Algorithm, SPIRIT, Spatial Mining, Spatial Mining Tasks, Spatial Clustering, Spatial Trends.

SELF STUDY: SPIRIT

UNIT-V WEKA TOOL (12 Hours)

Introduction, Launching Weka Explorer, Preprocessing Data, File conversion, Opening file from a local file system, Opening file from a web site, Reading data from a database, Preprocessing window, Building Classifiers, Clustering data, Finding associations, Attribute selection, Data visualization.

SELF STUDY : Preprocessing window

REFERENCES :

1. Arun K Pujari , “Data mining Techniques”, Universities Press (India) Private Limited, 2017.
2. Jiawei Han, Micheline Kamber, Jian Pei, “Data mining Concepts and Techniques”, Third Edition, Morgan Kaufman Publishers, 2012.
3. Bharat Bhushan Agarwal, Sumit Prakash Tayal, “Data Mining and Data Warehousing”, Laxmi Publications Ltd., 2019.
4. Margaret H ,”Data Mining: Introductory And Advanced Topics”, Dunham Pearson Education India, 2014.

WEB REFERENCES:

1. https://www.tutorialspoint.com/data_mining
2. http://people.sabanciuniv.edu/berrin/cs512/lectures

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 INTRODUCTION				
1.1	What is Data Mining? , Data Mining: Definitions	2	Lecture	PPT
1.2	KDD vs Data Mining	2	Lecture	PPT
1.3	Stages of KDD	2	Lecture	PPT
1.4	DBMS vs DM	2	Lecture	PPT
1.5	Other Related Areas, DM Techniques	1	Lecture	PPT
1.6	Other Mining Problems	1	Lecture	PPT
1.7	Issues and Challenges in DM	2	Lecture	PPT
UNIT 2 ASSOCIATION RULES				
2.1	What is an Association Rule?, Methods to discover Association Rules	2	Lecture	PPT
2.2	A Priori Algorithm	2	Chalk & Talk	Black Board
2.3	Partition Algorithm	2	Lecture	PPT
2.4	Pincer Search Algorithm	2	Lecture	White board
2.5	FP-tree Growth Algorithm	2	Discussion	Black Board
2.6	Discussion on different algorithms, generalized Association Rule	2	Chalk & Talk	Black Board
UNIT 3 CLUSTERING TECHNIQUES				
3.1	Clustering paradigms	2	Lecture	White board

3.2	Partitioning Algorithms	2	Chalk & Talk	Black Board
3.3	k-Medoid Algorithms	2	Lecture	PPT
3.4	CLARA, CLARANS	2	Lecture	PPT
3.5	Hierarchical Clustering	2	Lecture	White board
3.6	DBSCAN	2	Discussion	Black Board
UNIT 4 WEB MINING				
4.1	Web Mining, Web Content Mining	1	Lecture	PPT
4.2	Web Structure Mining, Web Usage Mining	2	Lecture	White board
4.3	Text Mining , What is Temporal Data Mining?	2	Lecture	PPT
4.4	Temporal Association Rules , Sequence Mining	1	Lecture	PPT
4.5	The GSP Algorithm, SPIRIT	2	Lecture	White board
4.6	Spatial Mining, Spatial Mining Tasks	2	Lecture	PPT
4.7	Spatial Clustering, Spatial Trends	2	Lecture	White board
UNIT 5 WEKA TOOL				
5.1	Introduction, Launching Weka Explorer	1	Lecture	PPT
5.2	Preprocessing Data, File conversion	1	Demonstration	LCD
5.3	Opening file from a local file system, Opening file from a web site	2	Demonstration	LCD
5.4	Reading data from a database, Preprocessing window	2	Demonstration	LCD

5.5	Building Classifiers, Clustering data	2	Demonstration	LCD
5.6	Finding associations, Attribute selection	2	Demonstration	LCD
5.7	Data visualization	2	Demonstration	LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify the functionalities of Data Mining and various techniques to extract knowledge.	K2, K4	PSO2
CO 2	Analyze the methods to discover Association Rules.	K2, K3, K4	PSO1 & PSO2
CO 3	Design & deploy the appropriate Clustering techniques.	K2 , K4	PSO1 & PSO3
CO 4	Outline web mining, temporal and spatial data mining.	K2, K3, K4 & K5	PSO1 & PSO4
CO 5	Examine and Explore weka techniques.	K2, K3, K4 & K5	PSO2

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	2	1	1	1
CO3	3	1	2	1	1
CO4	3	1	1	2	1
CO5	1	1	2	3	1

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	3	3	3	1	2	2	1	2	1	2
CO2	2	2	3	2	2	3	3	1	1	2	1	1
CO3	1	3	3	3	3	2	2	1	2	2	1	1
CO4	2	2	2	3	3	2	3	2	1	2	1	2
CO5	3	2	2	2	1	3	3	2	1	2	1	2

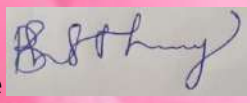
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

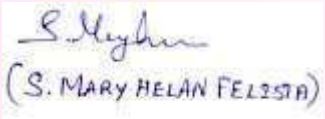
♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

R.SMEETA MARY **HOD'S Signature &**

Name





I MCA

SEMESTER – I

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CRED
MCA	20MCADA02	DATA ANALYTICS AND VISUALIZATION USING SPREADSHEETS	SPECIALIZATION ELECTIVE – DATA ANALYTICS	4	4

COURSE DESCRIPTION

This course provides knowledge to perform data analysis using Excel's most popular features.

COURSE OBJECTIVE

- Learn about the pivot tables in Spreadsheet
- Provide knowledge on Data Checking and Evaluation.
- Perform Data Analysis and Evaluation

UNIT - I INTRODUCING EXCEL TABLES (12 Hours)

Introducing Spreadsheet -Building Tables - Analyzing Table Information - Grabbing Data from External Sources - Getting Data the Export - Import Way - Querying External Databases and Web Page Tables

SELF STUDY: Getting Data the Export

UNIT- II CLEANING DATA & WORKING WITH PIVOTTABLES (12 Hours)

Cleaning Data - Editing Your Imported Workbook - Cleaning Data with Text Functions - Working with PivotTables - Looking at Data from Many Angles - Running the PivotTable Wizard- Customizing How Pivot Tables Work and Look

SELF STUDY: Looking at Data from Many Angles

UNIT - III PIVOTTABLE & PIVOTCHARTS (12 Hours)

Building PivotTable Formulas - Adding Another Standard Calculation - Creating Custom Calculations - Using Calculated Fields and Items - Retrieving Data from a Pivot Table - Working with PivotCharts - Running the PivotTable Wizard - Fooling Around with Your Pivot Chart - Customizing PivotCharts - Selecting a Chart Type - Working with Chart Styles - Changing Chart Layout - Changing a Chart's Location - Formatting the Plot Area - Formatting the Chart Area

SELF STUDY: Formatting the Plot Area

UNIT - IV DATABASE FUNCTIONS & STATISTICS FUNCTIONS(12 Hours)

Using the Database Functions - Using the DAVERAGE Function -Using the DCOUNT and DCOUNTA Functions- Using the DGET Function - Using the DMAX and DMAX Functions - Using the DPRODUCT Function - Using the DSTDEV and DSTDEVP Functions - Using the DSUM Function - Using the DVAR and DVARP Functions - Using the Statistics Functions - Counting Items in a Data Set - Means, Modes, and Medians - Finding Values, Ranks, and Percentiles - Standard Deviations and Variances - Regression Analysis – Correlation

SELF STUDY: tandard Deviations and Variances

UNIT – V DESCRIPTIVE & INFERENTIAL STATISTICS (12 Hours)

Descriptive Statistics - Using the Descriptive Statistics Tool - Creating a Histogram - Ranking by Percentile - Calculating Moving Averages Exponential Smoothing - Generating Random Numbers - Sampling Data - Inferential Statistics - Using the t-test Data Analysis Tool - Performing z-test Calculations - Creating a Scatter Plot - Using the Regression Data Analysis Tool - Using the Correlation Analysis Tool - Using the Covariance Analysis Tool - Using the ANOVA Data Analysis Tools - Creating an f-test Analysis - Using Fourier Analysis

SELF STUDY: Creating an f-test Analysis

REFERENCES:

1. Stephen L. Nelson, and E. C. Nelson, "Excel Data Analysis For Dummies" , Second edition, John Wiley & Sons, Inc., 2014
2. Walkenbach, John, "Excel 2016 Bible", John Wiley & Sons, Inc., 2015
3. Jelen, Bill, "Excel 2016 Pivot Table Data Crunching", Pearson Education, Inc, 2016

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1. owardsdatascience.com/data-analysis-using-excel-885f337c85c
2. https://people.umass.edu/evagold/excel.html
3. https://www.analyticsvidhya.com/blog/2021/04/excel-tips-tricks-data-analysis/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 Introducing Excel Tables				
1.1	Introducing Spreadsheet	1	Lecture	PPT & White board
1.2	Building Tables	2	Lecture	Smart Board
1.3	Analyzing Table Information	1	Chalk & Talk	Black Board
1.4	Grabbing Data from External Sources	2	Lecture	PPT & White board
1.5	Getting Data the Export	2	Lecture	Smart Board
1.6	Import Way	2	Lecture	PPT & White board
1.7	Querying External Databases and Web Page Tables	2	Discussion	Google classroom
UNIT 2 - Cleaning Data & Working with PivotTables				
2.1	Cleaning Data	1	Lecture	PPT & White board
2.2	Editing Your Imported Workbook	2	Lecture	Smart Board
2.3	Cleaning Data with Text Functions	2	Chalk & Talk	Black Board
2.4	Working with PivotTables	1	Lecture	PPT & White board
2.5	Looking at Data from Many Angles	2	Lecture	PPT & White board
2.6	Running the PivotTable Wizard	2	Lecture	Smart Board

2.7	Customizing How Pivot Tables Work and Look	2	Chalk & Talk	Black Board
UNIT 3 – PivotTable &PivotCharts				
3.1	Building PivotTable Formulas	1	Lecture	Smart Board
3.2	Adding Another Standard Calculation	1	Chalk & Talk	Black Board
3.3	Creating Custom Calculations - Using Calculated Fields and Items	1	Lecture	PPT & White board
3.4	Retrieving Data from a Pivot Table	1	Discussion	Google classroom
3.5	Working with PivotCharts	1	Lecture	Smart Board
3.6	Running the PivotTable Wizard - Fooling Around with Your Pivot Chart.	2	Chalk & Talk	Black Board
3.7	Customizing PivotCharts	1	Lecture	PPT & White board
3.8	Selecting a Chart Type - Working with Chart Styles - Changing Chart Layout	2	Discussion	Google classroom
3.9	Changing a Chart's Location - Formatting the Plot Area - Formatting the Chart Area	2	Lecture	PPT & White board
UNIT 4 - Database Functions & Statistics Functions				
4.1	Using the Database Functions	1	Lecture	Smart Board
4.2	Using the DAVERAGE Function -Using the DCOUNT and DCOUNTA Functions	2	Lecture	Smart Board
4.3	Using the DGET Function - Using the DMAX and DMAX Functions - Using the DPRODUCT Function	2	Chalk & Talk	Black Board
4.4	Using the DSTDEV and DSTDEVP Functions - Using the DSUM Function - Using the DVAR and DVARP Functions	2	Lecture	PPT & White board
4.5	Using the Statistics Functions	1	Discussion	Google classroom
4.6	Counting Items in a Data Set - Means, Modes, and Medians	2	Lecture	Smart Board
4.7	Finding Values, Ranks, and Percentiles - Standard Deviations and Variances	1	Chalk & Talk	Black Board

4.8	Regression Analysis - Correlation	1	Lecture	PPT & White board
UNIT -5 Descriptive & Inferential Statistics				
5.1	Descriptive Statistics	1	Lecture	Smart Board
5.2	Using the Descriptive Statistics Tool - Creating a Histogram	2	Chalk & Talk	Black Board
5.3	Ranking by Percentile - Calculating Moving Averages Exponential Smoothing	2	Lecture	PPT & White board
5.4	Generating Random Numbers - Sampling Data	2	Discussion	Google classroom
5.5	Inferential Statistics	1	Lecture	Smart Board
5.6	Using the t-test Data Analysis Tool - Performing z-test Calculations	1	Chalk & Talk	Black Board
5.7	Creating a Scatter Plot - Using the Regression Data Analysis Tool - Using the Correlation Analysis Tool	1	Lecture	PPT & White board
5.8	Using the Covariance Analysis Tool - Using the ANOVA Data Analysis Tools - Creating an f-test Analysis - Using Fourier Analysis	2	Discussion	Google classroom

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Ability to analyze data is a powerful skill that helps you make better decisions	K2	PSO1 & PSO5
CO 2	Identify the basic principles of a Pivot Table	K2, K3	PSO1 & PSO2
CO 3	Recognize how to use Pivot Table and Pivot chart	K2 , K4	PSO3 & PSO4
CO 4	Use Excel's powerful functions to efficiently transform mountains of raw data into clear insights	K2,K3,K4	PSO4 & PSO5
CO 5	Use your new-found Excel skills like Descriptive Statistics and Inferential Statistics to analyze what makes a successful project.	K2,K5	PSO3 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	1	1	3
CO2	3	2	1	1	1
CO3	1	1	2	2	1
CO4	1	1	3	2	1
CO5	1	1	2	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

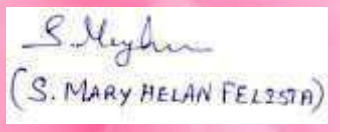
♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	1	2	2	2	3	1	1	1	2
CO2	3	2	2	2	2	2	2	3	1	1	1	2
CO3	3	3	3	2	2	3	2	3	1	2	1	2
CO4	3	3	3	2	3	3	2	3	2	2	1	3
CO5	3	3	3	3	3	3	3	3	2	3	3	3

COURSE DESIGNER

S.MARY HELAN FELISTA



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I MCA

SEMESTER – II

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCADA03	BIG DATA ANALYTICS	SPECIALIZATION ELECTIVE – DATA ANALYTICS	4	4

COURSE DESCRIPTION

This course provides familiarization to the important information technologies used in manipulating, storing and analyzing big data.

COURSE OBJECTIVE

- To explore the fundamental concepts of Big Data analytics
- To understand the various technology foundations for Big Data
- To learn the Hadoop and Map Reduce Concepts

UNIT – I **(12 Hours)**

GRASPING THE FUNDAMENTALS OF BIG DATA

Evolution of Data Management –Understanding the waves of managing data – Defining Big Data – Building a Successful Big Data management architecture

EXAMINING BIG DATA TYPES

Defining Structured data- Defining Unstructured data- Real time and non- real – time requirements – Managing Different data types – Integrating Data types

SELF STUDY: Managing Different data types

UNIT - II **(12 Hours)**

BIG DATA TECHNOLOGY COMPONENTS

Exploring the Big Data stacks – Redundant physical Infrastructure – Security Infrastructure –Operational Databases – Organizing data services and tools – Analytical data warehouses –Big data analytics- Big data applications

DEFINING BIG DATA ANALYTICS

Using Big Data to Get Results – Modifying Business intelligence Products to Handle Big Data – Studying Big Data Analytics Examples – Big data Analytics Solutions

SELF STUDY: Organizing data services and tools

UNIT- III **(12 Hours)**

GETTING STARTED WITH HADOOP

Introduction - Need for Hadoop – Origin and Design of Hadoop – Examining the various offerings of Hadoop

USE CASES FOR BIG DATA IN HADOOP

Adopting Hadoop – Log Data Analysis – Data Warehouse Modernization – Fraud Detection – Risk Modeling – Social Sentiment Analysis – Image Classification

SELF STUDY: Fraud Detection

UNIT - IV **(12 Hours)**

STORING DATA IN HADOOP : THE HDFS

Storing data in Hadoop - Data Storage in HDFS – HDFS federation – HDFS High Availability

READING AND WRITING DATA

Compressing Data – Managing files – Ingesting Log Data

SELF STUDY: Compressing Data

UNIT - V **(12 Hours)**

MAPREDUCE PROGRAMMING

Importance – Doing things in parallel – Writing Map Reduce Applications

FRAMEWORKS FOR PROCESSING DATA IN HADOOP

Running Applications before Hadoop – Seeing a World beyond MapReduce – Real-Time And Streaming Applications

SELF STUDY: Seeing a World beyond MapReduce

REFERENCES:

1. Judith Hurwitz, Alan Nugent, Dr. Fern Halper, Marcia Kaufman, " Big Data", Wiley India Pvt ltd, 2015
2. Dirk deRoos , "Hadoop for Dummies", John Wiley and sons , 2014
3. Jisha Mariam Jose, " Hadoop Practice Guide: SQOOP, PIG, HIVE, HBASE for Beginners", Notion Press, 2019
4. Chanchal Singh, "Mastering Hadoop 3", Packt Publishing; 1st edition, 2019

WEB REFERENCES:

1. http://www.planetdata.eu/sites/default/files/presentations/Big_Data_Tutorial_part4.pdf
2. https://www.guru99.com/introduction-to-mapreduce.html
3. https://www.dezyre.com/hadoop-tutorial/hadoop-mapreduce-tutorial

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 GRASPING THE FUNDAMENTALS OF BIG DATA				
1.1	Evolution of Data Management – Understanding the waves of managing data – Defining Big Data	3	Lecture	Black Board
1.2	Building a Successful Big Data management architecture	2	Lecture	White board
1.3	Defining Structured data- Defining Unstructured data-	2	Lecture	PPT
1.4	Real time and non- real – time requirements	2	Lecture	PPT
1.5	Managing Different data types – Integrating Data types	3	Lecture	PPT
UNIT-2 BIG DATA TECHNOLOGY COMPONENTS				
2.1	Exploring the Big Data stacks – Redundant physical Infrastructure – Security Infrastructure	2	Lecture	White board
2.2	Operational Databases – Organizing data services and tools	2	Discussion	Black Board
2.3	– Analytical data warehouses –Big data analytics- Big data applications	2	Chalk & Talk	Black Board
2.4	Defining Big Data Analytics	2	Chalk & Talk	Black Board
2.5	Using Big Data to Get Results – Modifying Business intelligence Products to Handle Big Data	2	Discussion	Black Board
2.6	Studying Big Data Analytics Examples – Big data Analytics Solutions	2	Discussion	Black Board

UNIT-3 GETTING STARTED WITH HADOOP				
3.1	Introduction - Need for Hadoop	2	Lecture	White board
3.2	Origin and Design of Hadoop– Examining the various offerings of Hadoop	2	Chalk & Talk	Black Board
3.3	Adopting Hadoop – Log Data Analysis	2	Lecture	PPT
3.4	Data Warehouse Modernization - Fraud Detection	2	Lecture	White board
3.5	Risk Modeling	2	Discussion	Black Board
3.6	Social Sentiment Analysis – Image Classification	2	Lecture	PPT
UNIT 4 - STORING DATA IN HADOOP				
4.1	Storing data in Hadoop	3	Lecture	PPT
4.2	Data Storage in HDFS – HDFS federation	2	Lecture	PPT
4.3	HDFS High Availability	2	Lecture	Black Board
4.4	Managing files	2	Lecture	PPT
4.5	Ingesting Log Data	3	Lecture	White board
UNIT -5 MAPREDUCE PROGRAMMING				
5.1	Importance	2	Lecture	PPT
5.2	Doing things in parallel	2	Lecture	PPT
5.3	Writing Map Reduce Applications	2	Lecture	PPT
5.4	Running Applications before Hadoop	2	Lecture	White board
5.5	Seeing a World beyond MapReduce	2	Lecture	PPT
5.6	Real-Time And Streaming Applications	2	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand*, ***K3-****Apply*, ***K4-****Analyse*, ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
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C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Jnderstand the fundamentals of various big data analysis techniques	K2, K4	PSO1 & PSO2
CO 2	Analyze the big data analytic techniques for useful business applications.	K2, K3, K4	PSO2 & PSO4
CO 3	Examine the HADOOP and Map Reduce technologies associated with big data analytics	K2 , K4	PSO3 & PSO4
CO 4	Scrutinize the various storage architecture using HDFS and Map reducing techniques	K2, K3,K4 & K5	PSO3 & PSO5
CO 5	Understand and Explore Map Reduce Programming	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	1	2	1	3	1
CO3	1	1	2	2	1
CO4	1	1	3	1	2
CO5	1	1	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

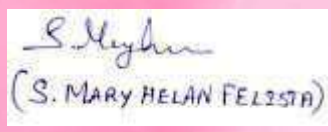
♦ Weakly Correlated -**1**

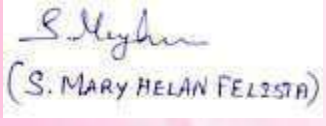
Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	1	1	2	2	2	1	1	1	2
CO2	2	2	1	2	1	2	2	2	2	1	1	2
CO3	2	2	2	1	2	3	2	2	1	2	1	2
CO4	2	3	3	1	2	3	2	3	2	2	2	2
CO5	3	3	3	2	3	3	3	3	2	3	3	3

COURSE DESIGNER **Forwarded By**

S.MARY HELAN FELISTA **HOD'S Signature & Name**





I MCA

SEMESTER – II

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	20MCADA04	DATA ANALYTIC TOOLS & TECHNIQUES	SPECIALIZATION ELECTIVE – DATA ANALYTICS	4	4

COURSE DESCRIPTION

This course provides knowledge on creating applications to manage and analyze big data.

COURSE OBJECTIVE

- Learn about the fundamental concepts of Pig and Hive.
- Provide knowledge on writing scripts through Pig Latin and understanding Hive data model.
- Perform data definition and data manipulation operations using HiveQL and apply these to perform analytics

UNIT – I **(12 Hours)**

DATA ANALYTICS USING PIG

Introduction – Downloading and installing pig – Running Pig - Grunt – Pig's Data model – Types – Schemas.

SELF STUDY: Types

UNIT – II **(12 Hours)**

INTRODUCTION TO PIG LATIN

Preliminary matters - Input and Output – Relational operations – User defined functions-Advanced relational Operations -Integrating Pig with legacy code and map reduce – Controlling execution.

SELF STUDY: Relational operations

UNIT - III **(12 Hours)**

DEVELOPING AND TESTING PIG LATIN SCRIPTS

Writing Evaluation and filter functions – Writing load and store functions

HIVE - INTRODUCTION

Developing Hive – Services in Hive – Understanding Hive Data model.

SELF STUDY: Store Function

UNIT – IV **(12 Hours)**

HIVEQL: DATA DEFINITION

Databases – Alter database – Create Tables – Alter Tables – Manage Tables – Drop Tables.

HIVEQL: DATA MANIPULATION

Load Data into managed tables – Insert into tables from Queries - Creating Tables and Loading Them in One Query - Exporting Data.

SELF STUDY: Insert into tables from Queries

UNIT – V **(12 Hours)**

HIVEQL QUERIES

SELECT … FROM Clauses –Where Clauses – Group by clauses - Join Statements – ORDER BY and SORT BY- DISTRIBUTE BY with SORT BY- CLUSTER BY – casting - Queries that Sample Data – UNION ALL

HIVEQL VIEWS

HiveQL: Indexes - Schema Design – Tuning – Functions – Streaming - Customizing Hive File and Record formats – Security – Locking

SELF STUDY:ORDER BY and SORT BY

REFERENCES:

1. Alan Gates ,“Programming Pig”, First edition, O’Reilly Media, 2011
2. Hanish Bansal, Saurabh Chauhan ,“Apache Hive Cookbook”, Packt publishing, 2016
3. 3.Jason Rutherglen, Dean Wampler, Edward Capriolo , “Programming Hive”, First edition, O’Reilly Media , 2012
4. “Alan Gates & Daniel Dai ,Pig :Data flow Scripting with Hadoop”, O’Reilly Media, 2016
5. BalaswamyVaddeman , “Beginning Apache Pig” , Apress Publications, 2016
6. Dayong Du, “Apache Hive Essentials”, Packet Publishing, 2015

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1. https://cognitiveclass.ai/courses/introduction-to-pig/
2. https://data-flair.training/blogs/apache-hive-tutorial/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 DATA ANALYTICS USING PIG				
1.1	Data Analytics using Pig: Introduction	2	Lecture	Black Board
1.2	Downloading and Installing pig	2	Chalk & Talk	White board
1.3	Running Pig	2	Lecture	PPT
1.4	Grunt	2	Discussion	PPT
1.5	Pig's Data model	2	Lecture	PPT
1.6	Types &Schemas	2	Chalk & Talk	White board
UNIT 2 INTRODUCTION TO PIG LATIN				
2.1	Introduction to Pig Latin – Preliminary matters	2	Lecture	PPT
2.2	Input and Output, Relational Operations	2	Chalk & Talk	Black Board
2.3	User defined function	2	Lecture	PPT
2.4	Advanced relational Operations	2	Lecture	White board
2.5	Integrating Pig with legacy code and map reduce	2	Discussion	Black Board
2.6	Controlling execution	2	Chalk & Talk	Black Board
UNIT 3 DEVELOPING AND TESTING PIG LATIN SCRIPTS & HIVE -INTRODUCTION				
3.1	Writing Evaluation and filter functions	2	Lecture	White board
3.2	Writing load and store functions	2	Chalk & Talk	Black Board
3.3	Hive - Introduction	2	Lecture	PPT
3.4	Developing Hive	2	Lecture	White board
3.5	Services in Hive	2	Discussion	Black Board

3.6	Understanding Hive Data model	2	Lecture	PPT
UNIT 4 HIVEQL: DATA DEFINITION&HIVEQL: DATA MANIPULATION				
4.1	HiveQL: Data definition – Databases	2	Lecture	PPT
4.2	Alter database – Create Tables	2	Lecture	PPT
4.3	Alter, Manage & Drop Tables.	2	Discussion	Black Board
4.4	HiveQL: Data manipulation	2	Lecture	PPT
4.5	Load Data into managed tables	2	Chalk & Talk	White board
4.6	Creating Tables and Loading Them in One Query-Exporting Data	2	Lecture	White board
UNIT 5 HIVEQL QUERIES&HIVEQL VIEWS				
5.1	HiveQL: Queries – SELECT … FROM Clauses- Where Clauses – Group by clauses	2	Lecture	PPT
5.2	Join Statements	1	Chalk & Talk	PPT
5.3	ORDER BY and SORT BY, DISTRIBUTE BY with SORT BY	2	Lecture	PPT
5.4	CLUSTER BY – casting	1	Discussion	White board
5.5	Queries that Sample Data – UNION ALL	2	Lecture	Black Board
5.6	HiveQL: Views - HiveQL: Indexes - Schema Design	2	Chalk & Talk	Black Board
5.7	Tuning – Functions – Streaming - Customizing Hive File and Record formats – Security – Locking	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment

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K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2*-Understand,* ***K3****-Apply,* ***K4****-Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC	NON -	MARKS

				SCHOLASTIC			
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

	CIA Components		**Nos**		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	xamine the programming constructs of Pig and database management using HiveQL	K2, K4	PSO1 & PSO2
CO 2	Write scripts using Pig latin and perform various HiveQL queries by applying RDBMS concepts	K2, K3, K4	PSO1, PS02 & PSO3
CO 3	Apply the concepts of Pig and Hive in simple tasks	K2 , K4	PSO1 & PSO3
CO 4	Formulate and analyse different databases for different situations	K2, K3,K4& K5	PSO1 & PSO4
CO 5	Create real time applications	K2,K3,K4& K5	PSO1 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	3	2	3	1	1
CO3	3	2	3	1	1
CO4	3	2	2	3	1
CO5	2	2	2	1	3

Mapping of COs with POs

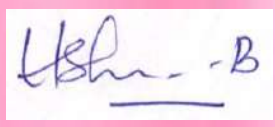
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	1	1	2	2	1	1	1	1	2
CO2	2	2	2	2	1	2	2	2	2	1	1	2
CO3	2	3	2	1	2	3	2	1	1	2	1	2
CO4	2	3	3	1	2	3	2	2	2	2	2	2
CO5	3	3	3	2	3	3	3	2	2	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

B. USHA



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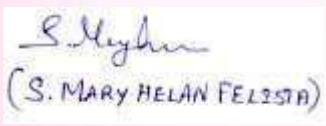

II MCA

SEMESTER - III

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCADA 05	BUSINESS ANALYTICS USING R	SPECIALIZATION ELECTIVE – DATA ANALYTICS	4	4

COURSE DESCRIPTION

This course provides a comprehensive study on business analytics that can be applied to many business settings and its practical implementation using a tool.

COURSE OBJECTIVE

- To introduce the principles and concepts of business analytics and R programming.
- To gain a practical knowledge on the concept of supervised and unsupervised machine learning
- To implement the various techniques of Regression in R.

UNIT – I OVERVIEW OF BUSINESS ANALYTICS (12 Hours)

Drivers for Business Analytics – Applications of Business Analytics – Skills Required for a Business Analyst – Life cycle of a Business Analytics Project – The Framework for Business Analytics -Introduction to R -Data Analysis Tools –R Installation –Basics of R Programming –R object types –Data Structures in R.

SELF STUDY: The Framework for Business Analytics.

UNIT – II R FOR DATA ANALYSIS (12 Hours)

Reading and Writing Data – Using Control Structures in R – Working with R Packages and Libraries - Introduction to Descriptive Analytics - Descriptive Analytics – Population and sample – Statistical parameters of interest – Graphical description of the data – Computations on data frames – Probability.

SELF STUDY: Graphical description of the data

UNIT–III BUSINESS ANALYTICS PROCESS & DATA EXPLORATION

(12 Hours)

Business Analytics Life Cycle – Understanding the Business Problem – Collecting and Integrating the Data – Preprocessing the Data – Exploring and Visualizing the Data – Using Modeling Techniques and Algorithms – Evaluating the Model – Presenting a Management Report and Review – Deploying the Model.

SELF STUDY: Presenting a Management Report and Review.

UNIT – IV SUPERVISED MACHINE LEARNING (12 Hours)

Classification and Prediction - Probabilistic Models for Classification - Decision Trees - Other Classifier Types - Classification Example Using R - Unsupervised Machine Learning -Clustering- Hierarchical Clustering – Non Hierarchical Clustering - Clustering Case Study - Association Rule.

SELF STUDY: Other Classifier Types.

UNIT – V SIMPLE LINEAR REGRESSION (12 Hours)

Introduction – Correlation – Hypothesis Testing – Simple Linear Regression -
Multiple Linear Regression - Using Multiple Linear Regression – Using an Alternative Method in R - Predicting the Response Variable - Training and Testing the Model - Cross Validation - Logistic Regression– Training and Testing the Model - Multinomial Logistic Regression - Regularization

SELF STUDY: Regularization.

REFERENCE BOOKS:

1. Dr.Umesh R. Hodeghatta, UmeshaNayak, "Business Analytics Using R – A Practical Approach" Apress Media, 2017.
2. A.Ohri, "R for Business Analytics", Springer, 2012.
3. Johannes Ledolter, "Data Mining and Business Analytics with R "John Wiley & Sons Inc., 2013.
4. Dr. Bharti Motwani, " Data analytics with R", Wiley India,2019.

WEB RESOURCES:

1. https://www.analyticsvidhya.com/learning-paths-data-science-business-analytics-business-intelligence-big-data/learning-path-r-data-science/
2. https://www.sisense.com/glossary/r-analytics/
3. https://www.google.co.in/books/edition/The_R_Book/8D4HVx0apZQC?hl=en&gbpv=1&dq=R&printsec=frontcover

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 OVERVIEW OF BUSINESS ANALYTICS				
1.1	Drivers for Business Analytics , Applications of Business Analytics	2	Chalk & Talk	Black Board
1.2	Skills Required for a Business Analyst ,Life cycle of a Business Analytics Project	2	PPT	LCD
1.3	The Framework for Business Analytics	2	Flipped Classroom	LCD
1.4	Introduction to R, Data Analysis Tools , R Installation	2	PPT	LCD
1.5	Basics of R Programming	2	Group Discussion	White Board
1.6	R object types , Data Structures in R	2	PPT	LCD
UNIT 2 R FOR DATA ANALYSIS				
2.1	Reading and Writing Data , Using Control Structures in R	3	PPT	LCD
2.2	Working with R Packages and Libraries	2	PPT	LCD
2.3	Introduction to Descriptive Analytics, Descriptive Analytics, Population and sample , Statistical parameters of interest	2	Lecture	Black Board
2.4	Graphical description of the data	3	PPT	LCD

2.5	Computations on data frames , Probability	2	PPT	LMS tool – Edmodo and LCD
UNIT 3 BUSINESS ANALYTICS PROCESS & DATA EXPLORATION				
3.1	Business Analytics Life Cycle , Understanding the Business Problem	2	PPT	LCD and White Board
3.2	Collecting and Integrating the Data ,Preprocessing the Data	2	Lecture	Black Board
3.3	Exploring and Visualizing the Data , Using Modeling Techniques and Algorithms	2	PPT	LCD
3.4	Evaluating the Model	2	PPT	LCD
3.5	Presenting a Management Report and Review	2	Chalk and Talk	Blackboard
3.6	Deploying the Model	2	PPT	LCD
UNIT 4 SUPERVISED MACHINE LEARNING				
4.1	Classification and Prediction	1	Chalk and Talk	Blackboard
4.2	Probabilistic Models for Classification	2	PPT	LCD
4.3	Decision Trees	2	Chalk and Talk	Blackboard
4.4	Other Classifier Types	1	PPT	LCD
4.5	Classification Example Using R	1	PPT	LCD
4.6	Unsupervised Machine Learning, Clustering , Hierarchical Clustering ,Non Hierarchical Clustering	2	PPT	LCD
4.7	Clustering Case Study	1	PPT	LCD
4.8	Association Rule	2	Flipped Classroom	LCD

UNIT 5 SIMPLE LINEAR REGRESSION				
5.1	Introduction , Correlation	2	Lecture	Black Board
5.2	Hypothesis Testing , Simple Linear Regression	2	Lecture	Black Board
5.3	Multiple Linear Regression , Using Multiple Linear Regression	1	PPT	LCD
5.4	Using an Alternative Method in R , Predicting the Response Variable	2	PPT	LCD
5.5	Training and Testing the Model , Cross Validation	2	PPT	LCD
5.6	Logistic Regression,Training and Testing the Model	2	PPT	LCD
5.7	Multinomial Logistic Regression Regularization	1	PPT	LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Examine the concepts around Business analytics.	K2, K4	PSO1, PSO2
CO 2	Evaluate the process of analysing a business descriptively using the tool.	K2, K3, K4	PSO2, PSO3
CO 3	Explore data and business analytic process.	K2 , K4	PSO1, PSO3
CO 4	Apply various supervised and un supervised Machine learning techniques.	K2, K3, K4& K5	PSO4, PSO5
CO 5	Learn to apply different algorithms of regression for business problems.	K2,K3, K4& K5	PSO3, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	2	3	1	1
CO3	3	1	2	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	2	1	1	1	1	1	1	1	1
CO2	1	1	3	1	2	1	1	1	1	1	1	1
CO3	1	3	1	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	2	1	1	1	1	1	1
CO5	3	1	1	1	1	1	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

DR. R. SMEETA MARY

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II MCA

SEMESTER – III

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCADA06	BIG DATA SECURITY	SPECIALIZATION ELECTIVE – DATA ANALYTICS	4	4

COURSE DESCRIPTION

This course provides an overview of the cutting edge and new technologies in the area of big data security.

COURSE OBJECTIVE

- Understand the significance of privacy and ethics in big data environment
- Learn about the security issues in Hadoop environment
- To become familiar with various algorithms for implementing security

UNIT- I **(12 Hours)**

SECURITY AND GOVERNANCE FOR BIG DATA ENVIRONMENTS

Security in context with Big data – Understanding data protection options – Data governance challenge – Putting the right organizational structure in place – Developing a well governed and secured big data environment Big data best practices – Big data do's and don'ts

SELF STUDY: Big data do's and don'ts

UNIT - II **(12 Hours)**

HADOOP SECURITY OVERVIEW

Challenges for securing the hadoop eco system – key security considerations

Hadoop security design : Kerberos – terminologies – advantages – Hadoop security model without Kerberos – Hadoop Kerberos security implementation.

SELF STUDY: Key security considerations

UNIT - III **(12 Hours)**

SETTING UP A SECURED HADOOP CLUSTER

Setting up Kerberos – configuring hadoop with Kerberos authentication

SECURING THE HADOOP ECO SYSTEM

Configuring kerberos for Hadoop eco system components – securing Hive, Oozie, flume, Hbase, Scoop, Pig

UNIT - IV **(12 Hours)**

SECURING SENSITIVE DATA IN HADOOP

Securing insights in Hadoop – Securing data in Motion – Security data in Rest – Implementing data encryption in Hadoop.

SELF STUDY: Security data in Rest

UNIT - V **(12 Hours)**

SECURITY EVENT AND AUDIT LOGGING IN HADOOP

Security incident and event monitoring in Hadoop Cluster – Audit logging in a secured Hadoop cluster.

SELF STUDY: Audit Logging

REFERENCES:

1. Judith Hurwitz, Alan Nugent, Dr. Fern Halper and Marcia Kaufman, "Big Data",Wiley Publications, 2014.
2. SudeeshNarayanan,"SecuringHadoop", Packt Publishing, 2013.
3. Tom White, "Hadoop: The Definitive Guide", Third Edition, O'reilly Media, 2012
4. Mark Van Rijmenam, "Think Bigger: Developing a Successful Big Data Strategy for Your Business ", Amazon, First edition, 2014.
5. Frank Ohlhorst, "Big Data Analytics: Turning Big Data into Big Money", John Wiley & Sons, John Wiley & Sons, 2013.

WEB REFERENCES:

1. https://www.sisense.com/glossary/big-data-security/
2. https://www.datamation.com/big-data/big-data-security.html

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 SECURITY AND GOVERNANCE FOR BIG DATA ENVIRONMENTS				
1.1	Security and Governance for Big Data environments: Security in context with Big data	2	Lecture	Black Board
1.2	Understanding data protection options – Data governance challenge	2	Lecture	White board
1.3	Putting the right organizational structure in place	3	Lecture	PPT
1.4	Developing a well governed and secured big data environment	3	Lecture	PPT
1.5	Big data best practices	2	Lecture	PPT
UNIT - 2 HADOOP SECURITY OVERVIEW				
2.1	Hadoop Security overview : Challenges for securing the hadoop eco system	2	Lecture	PPT
2.2	key security considerations	2	Chalk & Talk	Black Board
2.3	Hadoop security design : Kerberos – terminologies	2	Lecture	PPT
2.4	Advantages	2	Lecture	White board
2.5	Hadoop security model without Kerberos	2	Discussion	Black Board
2.6	Hadoop Kerberos security implementation	2	Chalk & Talk	Black Board

UNIT-3 SETTING UP A SECURED HADOOP CLUSTER				
3.1	Setting up a secured Hadoopcluster	2	Lecture	White board
3.2	Setting up Kerberos	2	Chalk & Talk	Black Board
3.3	Configuring Hadoop with Kerberos authentication	2	Lecture	PPT
3.4	Securing the Hadoop eco system configuring Kerberos for Hadoop eco system components	3	Lecture	White board
3.5	Securing Hive, Oozie, Flume, Hbase, Scoop, Pig.	3	Discussion	Black Board
UNIT-4 SECURING SENSITIVE DATA IN HADOOP				
4.1	Securing sensitive data in Hadoop	3	Lecture	PPT
4.2	Securing insights in Hadoop	3	Lecture	PPT
4.3	Securing data in Motion	3	Discussion	Black Board
4.4	Implementing data encryption in Hadoop	3	Lecture	PPT
UNIT-5 SECURITY EVENT AND AUDIT LOGGING IN HADOOP				
5.1	Security Event and Audit Logging in Hadoop	4	Lecture	PPT
5.2	Security incident and event m onitoring in Hadoop Cluster	4	Lecture	PPT
5.3	Audit logging in a secured Hadoop cluster.	4	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

CIA Components			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify the need for security and best practices in a big data environment	K2, K4	PSO1 & PSO2
CO 2	Analyze the steps to secure big data	K2, K3, K4	PSO1,PSO2 & PSO3
CO 3	Build security in hadoop eco system	K2 , K4	PSO1,PSO2 & PSO3
CO 4	Assess the sensitivity of data in Hadoop	K2, K3,K4& K5	PSO1 & PSO4
CO 5	Outline data security and event logging	K2,K3,K4& K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	1	1
CO2	2	3	2	1	1
CO3	3	3	2	1	1
CO4	3	2	1	3	1
CO5	2	1	2	3	3

Mapping COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	1	2	2	2	2	1	1	1	2
CO2	2	2	1	2	1	2	2	2	2	1	1	2
CO3	2	2	2	1	2	3	2	2	1	2	1	2
CO4	2	3	3	1	2	3	2	3	2	2	2	2
CO5	3	3	3	2	3	3	3	3	2	3	3	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

B. USHA

Name Usha -B

Forwarded By

HOD'S Signature &

S. Mayhem

(S. MARY HELAN FELISTA)

I MCA

SEMESTER - I

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCADS01	DISTRIBUTED SYSTEMS	SPECIALIZATION ELECTIVE – DISTRUIBUTED SYSTEM SECURITY	4	4

COURSE DESCRIPTION

This course will be on the techniques for creating functional, usable and high performance distributed systems. This course mainly focuses on distribution and communication, data distribution, concurrency, resource sharing and protection from accidental and malicious form.

COURSE OBJECTIVE

- To learn the core concepts of distributed systems.
- To have an understanding of the how existing systems have applied the concepts of distributed systems.
- To have a basic proficiency to correctly solve problems in an efficient, reliable and scalable way.

UNIT – I INTRODUCTION **(12 Hours)**

What Is A Distributed System? Characteristic 1: Collection of Autonomous Computing Elements - Characteristic 2: Single Coherent System - Middleware and Distributed Systems - Types of Distributed Systems - High Performance Distributed Computing - Distributed Information Systems - Pervasive Systems - Architectural Styles - Layered Architectures - Object-Based and Service-Oriented Architectures - Resource-Based Architectures - Publish-Subscribe Architectures.

SELF STUDY: Pervasive Systems.

UNIT - II PROCESS **(12 Hours)**

Threads - Introduction To Threads - Threads In Distributed Systems - Virtualization - Principle of Virtualization - Application of Virtual Machines To Distributed Systems - Clients - Networked User Interfaces - Client-Side Software For Distribution Transparency - Servers - General Design Issues - Object Servers - Example: The Apache Web Server - Server Clusters.

SELF STUDY: Principle of Virtualization.

UNIT - III COMMUNICATION **(12 Hours)**

Foundations - Layered Protocols - Types of Communication - Remote Procedure Call - Basic RPC Operation - Parameter Passing - RPC-Based Application Support - Variations on RPC - Naming - Names, Identifiers and Addresses - Flat Naming - Simple Solutions - Home-Based Approaches - Distributed Hash Tables - Hierarchical Approaches.

SELF STUDY: Home-Based Approaches.

UNIT – IV COORDINATION, CONSISTENCY AND REPLICATION **(12 Hours)**

Clock Synchronization - Physical Clocks - Clock Synchronization Algorithms - Logical Clocks - Lamport's Logical Clocks - Vector Clocks - Data-Centric Consistency Models - Continuous Consistency - Consistent Ordering of Operations - Eventual Consistency.

SELF STUDY: Continuous Consistency.

UNIT - V SECURITY **(12 Hours)**

Introduction to Security - Security Threats, Policies and Mechanisms - Design Issues - Cryptography -Secure Channels - Authentication - Message Integrity and Confidentiality - Secure Group Communication - Example: Kerberos - Access Control - General Issues In Access Control - Firewalls - Secure Mobile Code -Denial of Service - Secure Naming .

SELF STUDY: Authentication.

REFERENCE BOOKS:

1. M. Van Steen, A.S. Tanenbaum, "Distributed Systems", Third Edition, CreateSpace Independent Publishing Platform, 2017.
2. George Coulouris, Jean Dollimore, Tim Kindberg and Gordon Blair, "Distributed Systems:Concepts and Design", Fifth Edition, Pearson Education, 2017.
3. Fokkink W. "Distributed algorithms: an intuitive approach", Second Edition, MIT Press,2018.

WEB RESOURCES:

1. http://en.wikipedia.org/wiki/Distributed Systems
2. https://www.google.co.in/books/edition/Designing_Distributed_Systems
3. https://www.google.co.in/books/edition/Understanding_Distributed_Systems/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 INTRODUCTION				
1.1	What Is A Distributed System? Characteristic 1: Collection of Autonomous Computing Elements	2	Chalk & Talk	Black Board
1.2	Characteristic 2: Single Coherent System, Middleware And Distributed Systems	2	Chalk & Talk	Black Board
1.3	Types of Distributed Systems, High Performance Distributed Computing	2	Lecture	White board
1.4	Distributed Information Systems , Pervasive Systems, Architectural Styles	2	Chalk & Talk	Black Board
1.5	Layered Architectures, Object-Based And Service-Oriented Architectures	2	Discussion	Black Board
1.6	Resource-Based Architectures , Publish-Subscribe Architectures	2	Lecture	White board

UNIT 2 PROCESS				
2.1	Threads, Introduction to Threads , Threads in Distributed Systems	2	Lecture	PPT
2.2	Virtualization, Principle of Virtualization	2	Chalk & Talk	Black Board
2.3	Application of Virtual Machines To Distributed Systems, Clients, Networked User Interfaces	2	Lecture	PPT
2.4	Client-Side Software for Distribution Transparency , Servers	2	Lecture	White board
2.5	General Design Issues, Object Servers	2	Discussion	Black Board
2.6	Example: The Apache Web Server , Server Clusters.	2	Lecture	PPT
UNIT 3 COMMUNICATION				
3.1	Foundations, Layered Protocols	1	Lecture	White board
3.2	Types of Communication, Remote Procedure Call	1	Chalk & Talk	Black Board
3.3	Basic RPC Operation, Parameter Passing -	1	Lecture	PPT
3.4	RPC-Based Application Support	1	Lecture	White board
3.5	Variations on RPC	1	Discussion	Black Board
3.6	Naming, Names, Identifiers and Addresses	2	Lecture	PPT
3.7	Flat Naming	1	Chalk & Talk	Black Board
3.8	Simple Solutions, Home-Based Approaches	2	Lecture	White board
3.9	Distributed Hash Tables	1	Chalk & Talk	Black Board
3.10	Hierarchical Approaches.	1	Chalk & Talk	Black Board
UNIT 4 COORDINATION, CONSISTENCY AND REPLICATION				
4.1	Clock Synchronization, Physical Clocks	1	Lecture	PPT

4.2	Clock Synchronization Algorithms	2	Lecture	PPT
4.3	Logical Clocks	1	Chalk & Talk	Black Board
4.4	Lamport's Logical Clocks	2	Chalk & Talk	Black Board
4.5	Vector Clocks	1	Discussion	Black Board
4.6	Data-Centric Consistency Models	2	Lecture	PPT
4.7	Continuous Consistency, Consistent Ordering of Operations	2	Chalk & Talk	Black Board
4.8	Eventual Consistency	1	Lecture	PPT
UNIT 5 SECURITY				
5.1	Introduction to Security, Security Threats, Policies and Mechanisms	2	Chalk & Talk	Black Board
5.2	Design Issues, Cryptography, Secure Channels, Authentication	2	Lecture	PPT
5.3	Message Integrity and Confidentiality	2	Lecture	PPT
5.4	Secure Group Communication , Example: Kerberos	2	Lecture	White board
5.5	Access Control, General Issues In Access Control, Firewalls	2	Lecture	White board
5.6	Secure Mobile Code, Denial of Service, Secure Naming	2	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand the design principles in distributed systems and the architectures for distributed systems.	K2, K4	PSO1,PS02
CO 2	Apply various distributed algorithms related to clock synchronization, concurrency control, deadlock detection, load balancing, voting etc.	K2, K3, K4	PSO2, PSO3
CO 3	Analyze fault tolerance and recovery in distributed systems and algorithms for the same.	K2 , K4	PSO1, PSO3
CO 4	Analyze the design and functioning of existing distributed systems and file systems.	K2, K3, K4& K5	PSO4, PSO5
CO 5	Implement different distributed algorithms over current distributed platforms	K2,K3, K4& K5	PS03, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	2	3	1	1
CO3	3	1	2	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping of COs with POs

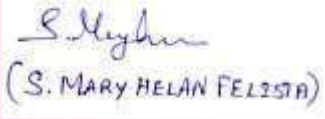
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	2	1	1	1	1	1	1	1	1
CO2	1	1	3	1	2	1	1	1	1	1	1	1
CO3	1	3	1	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	2	1	1	1	1	1	1
CO5	3	1	1	1	1	1	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

DR. R. SMEETA MARY **HOD'S Signature & Name**



I MCA

SEMESTER – I

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCADS02	SECURED WIRELESS COMMUNICATION	SPECIALIZATION ELECTIVE – DISTRIBUTED SYSTEM SECURITY	4	4

COURSE DESCRIPTION

This course provides knowledge on wireless communication and its security implications.

COURSE OBJECTIVE

- To learn the basic threats of security in a Mobile Environment
- To get familiar with Wireless LAN architecture and its security
- To get to learn the benefits, architecture and security of Bluetooth.
- To be acquainted with GSM and CDPD
- To understand the basic concepts of WAP and its security features

UNIT – I **(12 Hours)**

SECURITY FEATURES IN WIRELESS ENVIRONMENT

Introduction – Mobile Network Environment – General Security Threats of a Network – Limitations of Mobile Environment – Mobility and Security – Attacks in Mobile Environment- Security issues in Mobile Environment

SELF STUDY: Limitations of Mobile Environment

UNIT – II **(12 Hours)**

IEEE 802.11

History –IEEE 802.11 Architecture - IEEE 802.11Layers – Security of IEEE 802.11 – Key Management – Weakness of WEP

SELF STUDY: Weakness of WEP

UNIT – III **(12 Hours)**

BLUETOOTH

Overview – History – Benefits – Architecture and Components – Security of Bluetooth – Problems in the Security of Bluetooth

SELF STUDY: Problems in the Security of Bluetooth

UNIT – IV **(12 Hours)**

GSM

Introduction – Architecture of the GSM Network – GSM Security Features – Attacks on GSM Security

CDPD

Introduction – Basic Idea – Basic Infrastructure – Working of a CDPD Connection – CDPD Security

SELF STUDY: Attacks on GSM Security

UNIT – V **(12 Hours)**

WIRELESS APPLICATION PROTOCOL

Introduction –WAP Protocol Stack – WAP PKI Model – Cipher Suite in WTLS – WAP Profiled TLS – WAP Identity Module

SELF STUDY: WAP Profiled TLS

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1. Hideki Imai, Mohammad Ghulam Rahman, "Wireless Communications Security", KazukuniKobara, Artech House, 2007
2. Steve S. Thomas, "Wireless Communications Security", Create Space Independent Publishing, 2010.
3. Jyrki T. J. Penttinen,"Wirelesss Communications Security Solutions for the Internet of Things", John Wiley & Sons Ltd, 2017
4. Jochen Schiller, "Mobile communication", Second Edition, Pearson Education,12th Impression, 2013.

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2. https://resources.infosecinstitute.com/topic/wireless-networks-and-security/
3. https://jwcn-eurasipjournals.springeropen.com/articles/10.1155/2009/532434

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 SECURITY FEATURES IN WIRELESS ENVIRONMENT				
1.1	Introduction - Mobile Network Environment	3	Chalk & Talk	Black Board
1.2	General Security Threats of a Network – Limitations of Mobile Environment	3	Discussion	Google classroom
1.3	Mobility and Security – Attacks in Mobile Environment	3	Lecture	PPT & White board
1.4	Security issues in Mobile Environment	3	Lecture	Smart Board
UNIT 2 - IEEE 802.11				
2.1	History –IEEE 802.11 Architecture	3	Discussion	Black Board
2.2	IEEE 802.11Layers	3	Lecture	Google classroom
2.3	Security of IEEE 802.11	3	Lecture	PPT & White board
2.4	Key Management – Weakness of WEP	3	Lecture	Smart Board

UNIT 3 – BLUETOOTH				
3.1	Overview – History – Benefits	3	Discussion	Black Board
3.2	Architecture and Components	3	Lecture	PPT
3.3	Security of Bluetooth	3	Lecture	PPT & White board
3.4	Problems in the Security of Bluetooth	3	Lecture	Smart Board
UNIT 4 – MOBILE IP				
4.1	GSM - Introduction – Architecture of the GSM Network	3	Lecture	PPT
4.2	Attacks on GSM Security	2	Lecture	PPT
4.3	CDPD - Introduction – Basic Idea – Basic Infrastructure	3	Lecture	PPT
4.4	Working of a CDPD Connection	2	Lecture	PPT
4.4	CDPD Security	2	Lecture	PPT & White board
UNIT 5 – WIRELESS APPLICATION PROTOCOL				
5.1	Introduction – WAP Protocol Stack	3	Lecture	PPT
5.2	WAP PKI Model	2	Lecture	PPT
5.3	Cipher Suite in WTLS	3	Lecture	Smart Board
5.4	WAP Profiled TLS	2	Lecture	PPT
5.5	WAP Identity Module	2	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2*-Understand,* ***K3****-Apply,* ***K4****-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify, Predict and Evaluate the security features in wireless environment	K2, K4	PSO1 & PSO3
CO 2	Demonstrate the architectures, challenges and solutions of Wireless LAN	K2, K3, K4	PSO2 & PSO3
CO 3	Assess the role of Bluetooth architecture & security in wireless communication	K2 , K4	PSO3 & PSO5

CO 4	Analyse the architecture, infrastructure and security conceptions of GSM & CDPD	K2, K3,K4& K5	PSO1 & PSO4
CO 5	Study the Design aspects of wireless application protocol	K2,K3,K4& K5	PSO1 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	1	1	2
CO2	1	3	2	1	1
CO3	1	1	3	1	2
CO4	2	1	1	3	1
CO5	2	1	1	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	1	2	2	2	1	1	1	2	1
CO2	3	2	2	1	1	3	3	1	1	1	3	1
CO3	1	2	1	1	1	2	2	2	1	3	2	2
CO4	1	1	3	2	2	2	1	1	1	1	2	1
CO5	2	2	3	1	1	3	2	1	2	3	1	1

COURSE DESIGNER:

B.USHA

Forwarded By

HOD'S Signature & Name

(S. MARY HELAN FELISTA)

I MCA

SEMESTER - II

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCADS03	CRYPTOGRAPHY & NETWORK SECURITY	SPECIALIZATION ELECTIVE – DISTRIBUTED SYSTEM SECURITY	4	4

COURSE DESCRIPTION

This course provides basic understanding of previous attacks on cryptosystems with the aim of preventing future attacks and to provide security using various cryptographic tools.

COURSE OBJECTIVE

- Understand the OSI security architecture and classical encryption techniques.
- To be able to secure a message over insecure channel by various means.
- Acquire knowledge on various algorithms, block and stream cipher models.
- Portray the principles of public key cryptosystems.

UNIT I OVERVIEW AND CLASSICAL ENCRYPTION TECHNIQUES

(12 Hours)

Computer Security Concepts – OSI Security Architecture – Security attacks – Security Services – Security mechanisms –Model for Network Security - Symmetric Cipher Model - Cryptography – Cryptanalysis and Brute Force Attack – Substitution techniques –- Caesar Cipher – Monoalphabetic Ciphers – Playfair cipher – Hill Cipher - Polyalphabetic Cipher – Transposition Techniques – Stegnography.

SELF STUDY : Transposition techniques

UNIT - II BLOCK CIPHERS AND DES ` **(12 Hours)**

Traditional Block Cipher Structure – Stream Ciphers and Block Ciphers – Feistel Cipher Structure – Feistel Decryption Algorithm - Data Encryption Standard – DES Encryption – DES Decryption – Block Cipher Design Principles

SELF STUDY : Stream Ciphers and Block Ciphers

UNIT III AES & PUBLIC-KEY CRYPTOGRAPHY (12 Hours)

AES Structure – AES Transformation Functions – Electronic Codebook – Cipher Block Chaining Mode – Cipher Feedback Mode – Output Feedback Mode.

Principles of Public Key Cryptosystems – Applications - Requirements of Public key cryptosystem - Public Key Cryptanalysis - RSA Algorithm – Description – Computational Aspects – Security of RSA

SELF STUDY : Requirements of Public key cryptosystem

UNIT – IV DIFFIE- HELLMAN KEY EXCHANGE & DIGITAL SIGNATURE

Diffie - Hellman key Exchange – Algorithm – Key Exchange Protocols – Man in the middle attack –Digital Signatures – Properties – Attacks and forgeries – Requirements – Direct Digital Signature.

SELF STUDY : Man in the middle attack

UNIT - V NETWORK SECURITY (12 Hours)

Transport Layer Security – TLS architecture – HTTPS - Internet Mail Architecture – E mail components – Email Protocols – E mail Threats and Comprehensive Email Security - Domain Keys identified Mail Architecture – Characteristics – DKIM strategy – DKIM Functional flow - IP Security Overview – Applications – Benefits – Routing Applications

SELF STUDY : Email Components

REFERENCES :

1. William Stallings, “Cryptography and Network Security Principles & Practice”, 7th Edition, Pearson Education Limited, 2018.
2. AtulKahate, “Cryptography and Network Security”, 3rd Edition, Tata McGraw Hill, 2013.
3. William stalling, “Network security essentials”, Pearson publication.
4. Johannes A. Buchaman, “Introduction to cryptography”, Verlag, 2013.

WEB REFERENCES:

1. www.cse-eb.iitkgp.ernet.in/~debdeep/courses_iitkgp/Crypto/index.htm
2. https://www.tutorialspoint.com/cryptography/
3. https://www.future-forces-forum.com/download/Workshop-IntroductionToCrypTool.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 OVERVIEW AND CLASSICAL ENCRYPTION TECHNIQUES				
1.1	Introduction to Computer Security Concepts	1	Chalk & Talk	Black Board
1.2	OSI Security Architecture	1	Chalk & Talk	Black Board
1.3	Security attacks	1	Lecture	PPT
1.4	Security Services & mechanisms	2	Chalk & Talk	Black Board
1.5	Model for Network Security	1	Discussion	Black Board
1.6	Symmetric Cipher Model	1	Lecture	White board
1.7	Substitution techniques	1	Lecture	PPT
1.8	Playfair, Polyalphabetic Cipher	2	Lecture	White board
1.9	Vigenere, Vernam Cipher	1	Chalk & Talk	Black Board
1.10	Steganography	1	Discussion	Google classroom
UNIT - 2 BLOCK CIPHERS AND DES				
2.1	Traditional Block Cipher Structure	1	Lecture	PPT
2.2	Stream Ciphers and Block Ciphers	1	Chalk & Talk	Black Board
2.3	Feistel Cipher Structure	2	Lecture	PPT
2.4	Feistel Decryption Algorithm	2	Lecture	White board

2.5	Data Encryption Standard	2	Discussion	Black Board
2.6	DES Encryption	2	Chalk & Talk	Black Board
2.7	DES Decryption	1	Chalk & Talk	Black Board
2.8	Block Cipher Design Principles	1	Lecture	White board
UNIT – 3 AES & PUBLIC-KEY CRYPTOGRAPHY				
3.1	AES Structure	2	Lecture	White board
3.2	AES Transformation Functions	2	Chalk & Talk	Black Board
3.3	Electronic Codebook – Cipher Block Chaining Mode	1	Lecture	PPT
3.4	Cipher Feedback Mode – Output Feedback Mode	1	Lecture	White board
3.5	Principles of Public Key Cryptosystems – Applications	1	Lecture	PPT
3.6	Requirements of Public key cryptosystem - Public Key Cryptanalysis	1	Discussion	Google classroom
3.7	RSA Algorithm – Description	2	Chalk & Talk	Black Board
3.8	Computational Aspects – Security of RSA	2	Lecture	PPT
UNIT - 4 DIFFIE- HELLMAN KEY EXCHANGE & DIGITAL SIGNATURE				
4.1	Diffie - Hellman key Exchange - Algorithm	2	Lecture	PPT
4.2	Key Exchange Protocols	2	Lecture	PPT
4.3	Man in the middle attack	2	Chalk & Talk	Black Board
4.4	Digital Signatures	2	Chalk & Talk	Black Board
4.5	Properties – Attacks and forgeries	1	Discussion	Black Board
4.6	Requirements	2	Lecture	PPT
4.7	Direct Digital Signature	1	Chalk & Talk	Black Board
UNIT – 5 NETWORK SECURITY				
5.1	Transport Layer Security	2	Chalk & Talk	Black Board

5.2	TLS architecture	1	Lecture	PPT
5.3	HTTPS - Internet Mail Architecture	2	Lecture	PPT
5.4	E mail components – Email Protocols	1	Lecture	White board
5.5	E mail Threats and Comprehensive Email Security	1	Lecture	White board
5.6	Domain Keys identified Mail Architecture - Characteristics	2	Lecture	White board
5.7	DKIM strategy – DKIM Functional flow	2	Lecture	White board
5.8	IP Security Overview – Applications – Benefits – Routing Applications	1	Discussion	Google classroom

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Evaluate the fundamentals of networks security, security architecture, threats and vulnerabilities	K2, K4	PSO1 & PSO2
CO 2	Compare Stream ciphers and block ciphers.	K2, K3, K4	PSO2 & PSO3
CO 3	Apply the different cryptographic operations of public key cryptography.	K2 , K4	PSO1 & PSO3
CO 4	Pertain the various Authentication schemes to simulate different applications.	K2, K3,K4 & K5	PSO2 & PSO4
CO 5	Analyse the security architecture of the network	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	2	3	1	1	1
CO3	2	1	3	1	1
CO4	1	2	1	3	1
CO5	1	1	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	1	2	2	1	1	2	2	1
CO2	3	2	2	1	1	3	3	1	1	1	3	1
CO3	1	3	2	1	3	2	2	2	1	2	1	1
CO4	2	3	1	2	3	1	1	2	2	1	1	1
CO5	1	2	1	1	2	3	3	1	2	2	3	2

COURSE DESIGNER:

S. JEBAPRIYA

Nam

Forwarded By

HOD'S Signature &

S. Mary Helan Felista

GENERAL ELECTIVE - MCA

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	24MCADS04	CYBER SECURITY	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides an overview of the fundamental concepts and principles of cyber security. With the increasing reliance on digital technologies in various aspects of life, understanding cyber security is essential for protecting sensitive information, preserving privacy, and safeguarding against cyber threats.

COURSE OBJECTIVE

- To understand the basics of Cybercrime and Computer forensics with protecting mechanism
- To explore the working principles of WLAN, Email and Smartphone along with security mechanisms and guidelines
- To gain the ability to understand the importance of cyber investigations with its functioning role and learn the basics of Wi Fi and its security measures
- To understand and learn the method of seize digital evidence.
- To learn and analyze the concepts of digital forensics with cybercrime prevention techniques

UNIT – I CYBERCRIME & COMPUTER FORENSICS (12 Hours)

Introduction to Cybercrime - Classification of Cybercrimes – Reasons for Commission of Cybercrime – Malware and its Type – Kinds of Cybercrime – Authentication – Encryption – Digital Signatures – Antivirus – Firewall – Steganography - Computer Forensics – Why should we Report Cybercrime –Cyber Security Initiatives in India – Generating Secure Password – Using Password Manager - Enabling Two Step Verification – Security Computer Using Free Antivirus.

SELF STUDY : Antivirus

UNIT – II IS WIRELESS LAN (12 Hours)

Tips for buying online - Clearing cache for Browsers – Wireless LAN - Major issues with WLAN – Safe Browsing Guidelines for Social Networking Sites – Email Security tips – Smartphone Security Guidelines – Purses, Wallets, Smart phones – Platforms, Setup and Installation - Communicating Securely with a Smartphone.

SELF STUDY : Wireless LAN

UNIT – III CYBER INVESTIGATIVE ROLES & INCIDENT RESPONSE

(12 Hours)

Cyber Investigation Roles - Role as a Cybercrime Investigator – The Role of Law Enforcement Officers – The role of the Prosecuting Attorney – Incident Response – Post mortem versus Live Forensics – Computer Analysis for the Hacker Defender Program - Network Analysis – Legal issues of Intercepting Wi-Fi Transmission – Wi-Fi Technology – Wi-Fi RF - Scanning RF – Eavesdropping on Wi-Fi – Fourth Amendment Expectation of Privacy in WLANs.

SELF STUDY : Post mortem versus Live Forensics

UNIT – IV SEIZURE OF DIGITAL INFORMATION (12 Hours)

Seizure of Digital Information - Defining Digital Evidence – Digital Evidence Seizure Methodology – Seizure Methodology in Depth – Factors Limiting the Wholesale Seizure of Hardware – Disk Encryption – Responding to Victim – Previewing – Location of Data Objects Imaging Information - Tools for Digital Evidence Collection – Other Options for Seizing Digital Evidence – Common Threads within Digital Evidence Seizure – Determining the Most Appropriate Seizure Method.

SELF STUDY : Disk Encryption

UNIT – V DIGITAL FORENSICS AND ANALYZING DATA (12 Hours)

Digital forensics and Analyzing data - Introduction – The evolution of Computer Forensics – Phases of Digital Forensics - Collection – Examination - Analysis – Reporting – Cyber Crime Prevention - Introduction – Crime targeted at a Government Agency.

SELF STUDY : The evolution of Computer Forensics

REFERENCES :

1. Dr.JeetendraPande, "Introduction to Cyber Security" Published by Uttarakhand Open University, 2017.(Chapter: 1.2-6.4,9.2-12.2)
2. Anthony reyes, Kevin o'shea, Jim steele, Jon R. Hansen, Captain Benjamin R. Jean Thomas Ralph, "Cyber-crime investigations" - bridging the gaps between security professionals, law enforcement, and prosecutors, 2007.(Chapter: 4, 5, 6, 7, 9,10)
3. John G.Voller Black and Veatch, "Cyber Security" Published by John Wiley & Sons, Inc., Hoboken, New Jersey Published simultaneously in Canada ©2014.
4. Nina Godbole & Sunit Belapure "Cyber Security", Wiley India, 2012.

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1. https://www.javatpoint.com/what-is-cyber-security
2. https://www.simplilearn.com/tutorials/cyber-security-tutorial/what-is-cyber-security

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT – I CYBERCRIME & COMPUTER FORENSICS				
1.1	Introduction to cybercrime	1	Chalk & Talk	Black Board
1.2	Classification of Cybercrimes	2	Chalk & Talk	Black Board
1.3	Malware and its Type, Kinds of Cybercrime	1	Lecture	White board
1.4	Digital Signatures, Antivirus, Firewall, Steganography	1	Chalk & Talk	Black Board
1.5	Computer Forensics, Cyber Security Initiatives in India	2	Discussion	Black Board
1.6	Generating Secure Password, Using Password Manager	2	Lecture	White board

1.7	Enabling Two Step Verification	1	Lecture	White board
1.8	Security Computer Using Free Antivirus	2	Discussion	Google classroom
UNIT – II IS WIRELESS LAN				
2.1	Tips for buying online, Clearing cache for Browsers	1	Lecture	PPT
2.2	Wireless LAN, Major issues with WLAN	2	Chalk & Talk	Black Board
2.3	Safe Browsing Guidelines for Social Networking Sites	2	Lecture	PPT
2.4	Email Security tips	2	Lecture	White board
2.5	Smartphone Security Guidelines	1	Discussion	Black Board
2.6	Purses, Wallets, Smart phones	1	Chalk & Talk	Black Board
2.7	Platforms, Setup and Installation	1	Chalk & Talk	Black Board
2.8	Communicating Securely with a Smartphone	2	Lecture	PPT
UNIT – III CYBER INVESTIGATIVE ROLES & INCIDENT RESPONSE				
3.1	Cyber Investigation Roles	1	Lecture	White board
3.2	Role as a Cybercrime Investigator	1	Chalk & Talk	Black Board
3.3	The Role of Law Enforcement Officers	1	Lecture	PPT
3.4	The role of the Prosecuting Attorney	1	Lecture	White board
3.5	Incident Response	1	Discussion	Black Board

3.6	Post mortem versus Live Forensics	1	Lecture	PPT
3.7	Computer Analysis for the Hacker Defender Program	1	Chalk & Talk	Black Board
3.8	Network Analysis	1	Lecture	White board
3.9	Legal issues of Intercepting Wi-Fi Transmission	1	Chalk & Talk	Black Board
3.10	Wi-Fi Technology, Wi-Fi RF, Scanning RF	1	Chalk & Talk	Black Board
3.11	Eavesdropping on Wi-Fi	1	Discussion	Black Board
3.12	Fourth Amendment Expectation of Privacy in WLANs	1	Lecture	White board
UNIT – IV SEIZURE OF DIGITAL INFORMATION				
4.1	Seizure of Digital Information	1	Lecture	PPT
4.2	Defining Digital Evidence	2	Lecture	PPT
4.3	Digital Evidence Seizure Methodology, Seizure Methodology in Depth	1	Chalk & Talk	Black Board
4.4	Factors Limiting the Wholesale Seizure of Hardware	1	Chalk & Talk	Black Board
4.5	Disk Encryption, Responding to Victim	1	Discussion	Black Board
4.6	Location of Data Objects Imaging Information	1	Lecture	PPT

4.7	Tools for Digital Evidence Collection	1	Chalk & Talk	Black Board
4.8	Other Options for Seizing Digital Evidence	1	Lecture	PPT
4.9	Common Threads within Digital Evidence Seizure	1	Lecture	PPT
4.10	Determining the Most Appropriate Seizure Method	2	Chalk & Talk	Black Board
UNIT – V DIGITAL FORENSICS AND ANALYZING DATA				
5.1	Digital forensics and Analyzing data	2	Chalk & Talk	Black Board
5.2	The evolution of Computer Forensics	2	Lecture	PPT
3.3	Phases of Digital Forensics	2	Lecture	PPT
5.4	Collection	1	Lecture	White board
5.5	Examination	1	Lecture	White board
5.6	Analysis	1	Lecture	White board
5.7	Reporting	1	Lecture	White board
5.8	Cyber Crime Prevention	1	Chalk & Talk	Black Board
5.9	Crime targeted at a Government Agency	1	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	**2.5**	**12.5**		**12.5**	**25%**
K3	5	-	-	**5**	**10**		**10**	**20%**
K4	5	5	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	5	5	-	**10**		**10**	**20%**
Non-Scho.	-	-	-	-	-	**5**	5	**10%**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100%**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

	CIA Components		Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

***The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand, describe, analyze and examine the basics of Cyber security concepts and its implementation in India	K2, K4	PSO1& PSO2
CO 2	Comprehend and demonstrate the security tips in browsers, WLAN, social networks, Email security and Smart phone. Apply the investigations in post mortem and Forensics	K2, K3, K4	PSO2& PSO3
CO 3	Understand, apply and evaluate the various investigation roles and WiFi protecting mechanisms.	K2 , K4	PSO3&PSO4
CO 4	Understand, illustrate and evaluate the method of seize the digital information and evidence forensics data and Evaluate the forensics reports	K2, K3,K4 & K5	PSO1&PSO4
CO 5	Comprehend, apply and appraise the methods digital forensics with cybercrime prevention techniques	K2,K3,K4 & K5	PSO4&PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	3	1	1
CO2	1	2	3	1	1
CO3	3	1	1	1	1
CO4	1	1	1	3	2
CO5	1	1	3	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with Pos

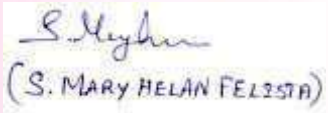
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	1	1	3	1	2
CO2	1	2	2	2	3	2	2	3	1	2	2	2
CO3	1	3	1	2	2	3	3	1	3	3	2	1
CO4	2	2	3	1	1	1	2	1	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	1	1	2

COURSE DESIGNER:

S. Jebapriya

Forwarded By

HOD'S Signature & Name



II MCA

SEMESTER - III

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	20MCADS05	CLOUD SECURITY	SPECIALIZATION ELECTIVE – DISTRIBUTED SYSTEM SECURITY	4	4

COURSE DESCRIPTION

This course provides a comprehensive study on the unique security challenges and opportunities in cloud platforms and guides through the security best practices for multivendor cloud environments.

COURSE OBJECTIVES

- To introduce the principles and concepts related to cloud security.
- To gain practical knowledge on the concept of asset management.
- To understand the issues and security incidents on network security.

UNIT –I PRINCIPLES AND CONCEPTS (12 Hours)

Least Privilege – Defense in Depth – Threat Acors, Diagrams and Trust Boundaries – Cloud Delivery Models – The cloud shared responsibility model – Risk management-Data asset management and protection-Data identification and classification – Example Data Classification Levels – Relevant Industry or Regulatory Requirements – Data Asset Management in the Cloud – Protecting Data in the cloud – Tokenization – Encryption.

SELF STUDY: Cloud delivery Models, Data Asset Management in the Cloud

UNIT –II (12 Hours)

CLOUD ASSET MANAGEMENT AND PROTECTION Types of Cloud assets – Compute Assets – Storage Assets – Network Assets. Asset management Pipeline – Procurement Leaks – Processing Leaks – Tooling Leaks – Findings Leaks. Tagging Cloud Assets-Identity and access management-Life Cycle for identity and Access – Request –Approve – Create, Delete, Grant or Revoke – Authentication – Authorization – Revalidate – Sample Application

SELF STUDY: Tagging Cloud Assets, Authorization

UNIT –III VULNERABILITY MANAGEMENT (12 Hours)

Vulnerable Areas – Finding and Fixing Vulnerabilities – Risk Management Processes – Vulnerability Management Metrics – Change Management – Sample Application.

SELF STUDY: Sample Application.

UNIT – IV (12 Hours)

DETECTING , RESPONDING TO, AND RECOVERING FROM SECURITY INCIDENTS

What to Watch – Privileged User Access – Logs from Defensive Tooling – Cloud Service Logs and Metrics – Operating System Logs and Metrics – Middleware Logs – Secrets Server. How to Watch – Aggregation and Retention – Parsing Logs – Searching and Correlation – Alerting and Automated Response – Security Information and Event Managers – Thread Hunting. Preparing for an Incident – Responding to an Incident – Recovery – Example Metrics – Example Tools for Detection, Response and Recovery – Sample Application.

SELF STUDY: Aggregation and Retention, Example Metrics.

UNIT - V VMWARE CLOUD SECURITY (12 Hours)

VMware workspace One Intelligence – Addressing Common vulnerabilities and exposures – VMware Workspace One – Purpose – Secure devices –Loading - Assessing Common Vulnerabilities – Workspace One UEM-Azure cloud security

-Azure Security Centre, Azure Active Directory – VPN Gateway – DdoS Protection – Key vaults – Dedicated HSM – Application Gateways - Sentinel – Information Protection.

SELF STUDY: VPN Gateway

REFERENCES:

1. Chris Dotson, “Practical Cloud Security” O’ReilLy Media, Inc. [ISBN : 9781492037514] , 2019
2. Tim Mather, SubraKumaraswamy, ShahedLatif, “Cloud Security and Privacy: An Enterprise Perspective on Risks and Compliance” O'Reilly Media; 1st edition [ISBN: 0596802765], 2009.
3. Ronald L. Krutz, Russell Dean Vines, “Cloud Security” [ISBN: 0470589876],2010.
4. John W.RittingHouse, James F.Ransome, Cloud Computing Implementation, Management and Security, CRC Press, 2013.

WEB REFERENCES :

1. https://resources.sei.cmu.edu/asset_files/presentation/2012_017_001_52439.pdf
2. https://www.simplilearn.com/cloud-network-security-tutorial

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 PRINCIPLES AND CONCEPTS				
1.1	Least Privilege – Defense in Depth – Threat Acors, Diagrams and Trust Boundaries	2	Chalk & Talk	Black Board
1.2	Cloud Delivery Models	1	PPT	LCD
1.3	The cloud shared responsibility model – Risk management and protection	2	Flipped Classroom	LMS tool - and LCD
1.4	Data identification and classification – Example Data Classification Levels	2	PPT	LMS tool - and LCD
1.5	Relevant Industry or Regulatory Requirements	1	Group Discussion	White Board
1.6	Data Asset Management in the Cloud	2	Flipped Classroom	LMS tool - and LCD
1.7	Protecting Data in the cloud – Tokenization - Encryption	2	PPT	LCD
UNIT 2 CLOUD ASSET MANAGEMENT AND PROTECTION				
2.1	Types of Cloud assets – Compute Assets – Storage Assets – Network Assets.	1	Flipped Classroom	LMS tool – and LCD
2.2	Asset management Pipeline	1	Lecture	White Board
2.3	Procurement Leaks – Processing Leaks- Tooling Leaks – Findings Leaks	1	PPT	White Board

2.4	Tagging Cloud Assets- Identity and access management	1	Flipped Classroom	LMS tool – and LCD
2.5	**L**ife Cycle for identity and Access – Request –Approve	2	PPT	CD
2.6	Create, Delete, Grant or Revoke	2	PPT	LCD
2.7	Authentication -Authorization	2	Self Study	Presentation using PPT
2.8	Revalidate – Sample Application	2	PPT	LCD
UNIT 3 VULNERABILITY MANAGEMENT				
3.1	Vulnerable Areas	2	Flipped Classroom	LMS tool - and LCD
3.2	Finding and Fixing Vulnerabilities	2	PPT	White Board
3.3	Risk Management Processes	2	PPT	LMS tool - and LCD
3.4	Vulnerability Management Metrics	2	PPT	LCD
3.5	Change Management	2	Chalk and Talk	Blackboard
3.6	Sample Application	2	PPT	LCD
UNIT 4 DETECTING , RESPONDING TO, AND RECOVERING FROM SECURITY INCIDENTS				
4.1	What to Watch – Privileged User Access – Logs from Defensive Tooling – Cloud Service Logs and Metrics –	2	Chalk and Talk	Blackboard
4.2	Operating System Logs and Metrics – Middleware Logs – Secrets Server.	2	Chalk and Talk	Blackboard

4.3	How to Watch – Aggregation and Retention – Parsing Logs – Searching and Correlation –	2	Chalk and Talk	Blackboard
4.4	Alerting and Automated Response – Security Information and Event Managers – Thread Hunting.	2	Flipped Classroom	LCD
4.5	Preparing for an Incident – Responding to an Incident – Recovery – Example Metrics – Example Tools for Detection, Response and Recovery –	2	PPT	LCD
4.6	Sample Application	2	PPT	LCD
UNIT 5 VMWARE & AZURE CLOUD SECURIT				
5.1	VMware workspace One Intelligence	2	Flipped Classroom	LMS tool - and LCD
5.2	Addressing Common vulnerabilities and exposures	1	Flipped Classroom	LMS tool and LCD
5.3	VMware Workspace One – Purpose – Secure devices – Loading	2	Lecture	PPT
5.4	Assessing Common Vulnerabilities	1	PPT	White Board
5.5	Workspace One UEM	2	Demonstration	White Board
5.6	Azure Security Centre- Azure Active Directory	1	PPT	White Board
5.7	VPN Gateway – DdoS Protection – Key vaults – Dedicated HSM	2	Demonstration	White Board
	Application Gateways - Sentinel – Information Protection	1	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Examine the security threats in cloud platforms	K2, K4	PSO3
CO 2	Evaluate Data Asset and Identity Access Management	K2, K3, K4	PSO2, PSO3
CO 3	Manage the vulnerable cloud environment	K2 , K4	PSO1
CO 4	Understand the security issues that arises over a Network	K2, K3,K4 & K5	PSO4, PSO5
CO 5	Explore the security incidents by detecting, responding and recovering	K2,K3,K4 & K5	PS03, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	3	1	1
CO2	1	2	3	1	1
CO3	3	1	1	1	1
CO4	1	1	1	3	2
CO5	1	1	3	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with Pos

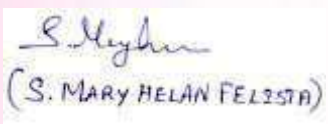
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	1	1	3	1	2
CO2	1	2	2	2	3	2	2	3	1	2	2	2
CO3	1	3	1	2	2	3	3	1	3	3	2	1
CO4	2	2	3	1	1	1	2	1	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	1	1	2

COURSE DESIGNER:

P. Nancy Vincentina Mary

Forwarded By

HOD'S Signature & Name



II MCA
SEMESTER – III
(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCADS06	WEB SECURITY	SPECIALIZATION ELECTIVE	4	4

COURSE DESCRIPTION

The course enlightens on the security considerations in the web

COURSE OBJECTIVES

- To Give an Overview of information security
- To Understand how common mistakes can be bypassed and exploit the application
- To provide a knowledge on the security issues to be handled in the web

UNIT – I **(12 Hours)**

WEB SECURITY

The Web Security Landscape :The Web Security Problem -Risk Analysis and Best Practices – Cryptography and the Web : Cryptography and Web Security – Roles for Cryptography - Working Cryptographic Systems and Protocols – Offline Encryption Systems – Online Cryptographic Systems and Protocols – What Cryptography Cant Do?

SELF STUDY : Cryptography and Web Security

UNIT – II **(12 Hours)**

DIGITAL IDENTIFICATION

Passwords, Biometrics and Digital Signatures : Physical Identification – Paper Based & Computer Based Identification Techniques - Using Public Keys for Identification – Digital Certificates, CAs and PKI: Understanding Digital Certificate with PGP – Certifying Own Key - Certifying other Peoples Key – Certification Authorities – Third Party Registrar – Certification Practices Statement(CPS) – Types of Certificate – Revocation

SELF STUDY : Physical Identification

UNIT – III **(12 Hours)**

PRIVACY PROTECTION

The Webs War on Your Privacy: Understanding Privacy – User-Provided Information – Log Files – Understanding Cookies – Privacy Protection Techniques: Choosing a Good Service Provider – Picking a Great Password – Cleaning Up After Yourself – Avoiding Spam and Junk Email – Identify Theft

SELF STUDY : Cleaning Up After Yourself

UNIT – IV **(12 Hours)**

WEB SERVER SECURITY

Physical Security for Servers: Planning for the Forgotten Threats – Protecting Computer Hardware – Protecting Your Data - Personnel - Securing Web Applications: Legacy of Extensibility and Risk – Rules to Code By – Securely using Fields, Hidden Fields and Cookies – Rules for Programming Languages – Using PHP Securely

SELF STUDY : Legacy of Extensibility and Risk

UNIT – V **(12 Hours)**

SECURITY FOR CONTENT PROVIDERS

Digital Payments: Charga – Plates, Diners Club and Credit Cards – Internet Based Payment Systems – How to Evaluate a Credit Card Payment System - Intellectual Property and Actionable Content: Copyright – Patents – Trademarks – Actionable content

SELF STUDY : Digital Payments

REFERENCES:

1. Simson Garfinkel, Gene Spafford, Web Security, Privacy and Commerce, O'Reilly.
2. Andrew Hoffman, Web Application Security: Exploitation and Countermeasures for Modern Web Applications, O'reilly
3. Jonathan LeBlanc Tim Messerschmidt, Identity and Data Security for Web Development - Best Practices, O'reilly
4. McDonald Malcolm, Web Security for Developers, No Starch Press, US
5.

WEB REFERENCES:

1. https://www.edureka.co/blog/application-security-tutorial/
2. https://www.invicti.com/blog/web-security/getting-started-web-application-security/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 WEB SECURITY				
1.1	The Web Security Problem -Risk Analysis and Best Practices	3	Chalk & Talk	Black Board
1.2	Cryptography and the Web- Cryptography and Web Security	3	Discussion	Google classroom
1.3	Working Cryptographic Systems and Protocols	2	Lecture	PPT & White board
1.4	Offline Encryption Systems – Online Cryptographic Systems and Protocols	2	Lecture	Smart Board
1.5	What Cryptography Cant Do?	2	Lecture	PPT & White board
UNIT 2 - DIGITAL IDENTIFICATION				
2.1	Physical Identification – Paper Based & Computer Based Identification Techniques	2	Discussion	Black Board
2.2	Using Public Keys for Identification	2	Lecture	Google classroom
2.3	Understanding Digital Certificate with		Lecture	PPT & White

	PGP – Certifying Own Key	2		board
2.4	Certifying other Peoples Key – Certification Authorities	2	Lecture	Smart Board
2.5	Third Party Registrar – Certification Practices Statement(CPS)	2	Lecture	Smart Board
2.6	Types of Certificate – Revocation	2	Discussion	Black Board
UNIT 3 – PRIVACY PROTECTION				
3.1	Understanding Privacy – User-Provided Information	2	Discussion	Black Board
3.2	Log Files – Understanding Cookies	2	Lecture	PPT
3.3	Privacy Protection Techniques: Choosing a Good Service Provider	3	Lecture	PPT & White board
3.4	Picking a Great Password – Cleaning Up After Yourself	3	Lecture	Smart Board
3.5	Avoiding Spam and Junk Email – Identify Theft	2	Lecture	PPT
UNIT 4 – WEB SERVER SECURITY				
4.1	Physical Security for Servers	2	Lecture	PPT
4.2	Planning for the Forgotten Threats – Protecting Computer Hardware	2	Lecture	PPT
4.3	Protecting Your Data - Personnel	2	Lecture	PPT
4.4	Securing Web Applications: Legacy of Extensibility and Risk	2	Lecture	PPT
4.5	Rules to Code By – Securely using	2	Discussion	Black Board

	Fields, Hidden Fields and Cookies			
4.6	Rules for Programming Languages – Using PHP Securely	2	Lecture	PPT
UNIT 5 – SECURITY FOR CONTENT PROVIDERS				
5.1	Digital Payments: Charga – Plates, Diners Club and Credit Cards	3	Lecture	PPT
5.2	Based Payment Systems- How to Evaluate a Credit Card Payment System	3	Lecture	PPT
5.3	Intellectual Property and Actionable Content: Copyright – Patents	3	Lecture	Smart Board
5.4	Trademarks – Actionable content	3	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2*-Understand,* ***K3****-Apply,* ***K4****-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand the Web architecture and applications	K2, K4	PSO1 & PSO3
CO 2	Ascertain the concept of digital identification	K2, K3, K4	PSO2 & PSO3
CO 3	Assess the threats on privacy in the web	K2 , K4	PSO3 & PSO5
CO 4	Demonstrate security solutions for web servers	K2, K3,K4& K5	PSO1 & PSO4
CO 5	Analyse the common vulnerabilities towards content providers	K2,K3,K4& K5	PSO1 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	1	1	2
CO2	1	3	2	1	1
CO3	1	1	3	1	2
CO4	2	1	1	3	1
CO5	2	1	1	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

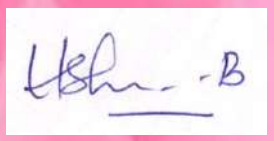
♦ Weakly Correlated -**1**

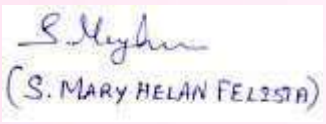
Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	1	2	2	2	1	1	1	2	1
CO2	3	2	2	1	1	3	3	1	1	1	3	1
CO3	1	2	1	1	1	2	2	2	1	3	2	2
CO4	1	1	3	2	2	2	1	1	1	1	2	1
CO5	2	2	3	1	1	3	2	1	2	3	1	1

COURSE DESIGNER: **Forwarded By**

B.USHA **HOD'S Signature & Name**





I MCA

SEMESTER - I

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAAM01	ARTIFICIAL INTELLIGENCE & EXPERT SYSTEMS	SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING	4	4

COURSE DESCRIPTION

This course provides the basic principles of artificial intelligence. It will cover problem solving paradigms, constraint propagation and search strategies in the areas of applications including knowledge representation, natural language processing, expert systems, vision and robotics.

COURSE OBJECTIVE

- To learn the methods of solving problems using Artificial Intelligence.
- To have an understanding of the basic issues of knowledge representation, blind and heuristic search.
- To have a basic proficiency in a traditional AI language and expert systems.

UNIT – I AI PROBLEMS AND PROBLEM CHARACTERISTICS (12 Hours)

The AI Problems – The underlying assumption - AI techniques – The level of the model – Criteria for success - Problems , Problem space and search – Defining the problem as a state space search – Production Systems – Problem characteristics – Production system characteristics – Issues in the design of search programs- Additional problems.

SELF STUDY: Problem characteristics.

UNIT - II SEARCH TECHNIQUES (12 Hours)

Heuristic search techniques – Generate and test – Hill climbing – Best first search – Problem reduction – Constraint satisfaction – Means ends analysis. Knowledge Representation Issues- Representations and Mappings- Approaches to Knowledge Representation – Issues in Knowledge Representation – The Frame Problem.

SELF STUDY: Constraint satisfaction.

UNIT - III USING PREDICATE LOGIC (12 Hours)

Using predicate logic – Representing simple facts in logic – Representing instance and ISA relationship – Computable functions and predicates – Resolution – Natural deduction - Representing knowledge – Using rules – Procedural versus declarative knowledge – Logic programming – forward versus backward reasoning – Matching – Control knowledge.

SELF STUDY: Natural deduction.

UNIT – IV FILLER STRUCTURE AND GAME PLAYING (12 Hours)

Weak Slot and Filler Structure - Semantic Nets – Frames - Strong Slot and Filler Structure - Conceptual Dependency – Scripts – CYC - Game playing - The minimax search procedure - Adding alpha beta cutoffs - additional refinements - Iterative Deepening.

SELF STUDY: Scripts.

UNIT - V AI LEARNING AND EXPERT SYSTEMS (12 Hours)

What is Learning – ROTE Learning - Learning by Taking Advice – Learning in Problem solving –Explanation - based Learning - Discovery – Analogy – Formal Learning Theory - Expert Systems – Representing and using domain knowledge – Expert System Shells – Explanation.

SELF STUDY: Knowledge Acquisition.

REFERENCE BOOKS:

1. Elaine Rich, Kevin Knight, "Artificial Intelligence", McGraw Hill Education Pvt Ltd., 3rdEdition, 2019.
2. Mishra Ravi Bhushan, "Artificial Intelligence", PHI learning Pvt. Ltd,2011
3. Kaushik saroj, "Artificial Intelligence",Cengage learning India Pvt. Ltd,2011.

WEB RESOURCES:

1. http://en.wikipedia.org/wiki/Artificial_intelligence
2. http://www.cee.hw.ac.uk/~alison/ai3notes/subsection2_6_2_3.html
3. http://starbase.trincoll.edu/~ram/cpsc352/notes/heuristics.html

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 AI PROBLEMS AND PROBLEM CHARACTERISTICS				
1.1	The AI Problems , The underlying assumption	2	Chalk & Talk	Black Board
1.2	AI techniques, The level of the model	2	Chalk & Talk	Black Board
1.3	Criteria for success ,Problems , Problem space and search	2	Lecture	White board
1.4	Defining the problem as a state space search ,Production Systems	2	Chalk & Talk	Black Board
1.5	Problem characteristics , Production system characteristics	2	Discussion	Black Board
1.6	Issues in the design of search programs, Additional problems.	2	Lecture	White board
UNIT 2 SEARCH TECHNIQUES				
2.1	Heuristic search techniques , Generate and test	2	Lecture	PPT
2.2	Hill climbing , Best first search, Problem reduction	3	Chalk & Talk	Black Board
2.3	Constraint satisfaction , Means ends analysis, Knowledge Representation Issues	2	Lecture	PPT
2.4	Representations and Mappings, Approaches to Knowledge Representation	3	Lecture	White board
2.5	Issues in Knowledge Representation , The Frame Problem.	2	Discussion	Black Board
UNIT 3 USING PREDICATE LOGIC				
3.1	Using predicate logic , Representing simple facts in logic	1	Lecture	White board
3.2	Representing instance and ISA relationship	1	Chalk & Talk	Black Board
3.3	Computable functions and predicates	1	Lecture	PPT

3.4	Resolution , Natural deduction	1	Lecture	White board
3.5	Representing knowledge , Using rules	1	Discussion	Black Board
3.6	Procedural versus declarative knowledge	2	Lecture	PPT
3.7	Logic programming	1	Chalk & Talk	Black Board
3.8	Forward versus backward reasoning	2	Lecture	White board
3.9	Matching	1	Chalk & Talk	Black Board
3.10	Control knowledge	1	Chalk & Talk	Black Board
UNIT 4 FILLER STRUCTURE AND GAME PLAYING				
4.1	Weak Slot and Filler Structure , Semantic Nets	1	Lecture	PPT
4.2	Frames	2	Lecture	PPT
4.3	Strong Slot and Filler Structure, Conceptual Dependency	1	Chalk & Talk	Black Board
4.4	Scripts, CYC.	2	Chalk & Talk	Black Board
4.5	Game playing	1	Discussion	Black Board
4.6	The minimax search procedure	2	Lecture	PPT
4.7	Adding alpha beta cutoffs, additional refinements	2	Chalk & Talk	Black Board
4.8	Iterative Deepening.	1	Lecture	PPT
UNIT 5 AI LEARNING AND EXPERT SYSTEMS				
5.1	What is Learning , ROTE Learning	2	Chalk & Talk	Black Board
5.2	Learning by Taking Advice , Learning in Problem solving	2	Lecture	PPT
5.3	Explanation based Learning , Discovery	2	Lecture	PPT
5.4	Analogy , Formal Learning Theory	2	Lecture	White board
5.5	Expert Systems, Representing and using domain knowledge	2	Lecture	White board

5.6	Expert System Shells, Explanation	2	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explore problems that are amenable to solution by AI methods.	K2, K4	PSO1,PS02
CO 2	Formulate search problems and implement search algorithms using admissible heuristics.	K2, K3, K4	PSO2, PSO3
CO 3	Design and carry out an empirical evaluation of different algorithms on a predicate logic and state the conclusions that the evaluation supports.	K2 , K4	PSO1, PSO3
CO 4	Analyze games playing as adversarial search problems and implement optimal and efficient solutions.	K2, K3, K4& K5	PSO4, PSO5
CO 5	Identify the concepts of Artificial Intelligence and Expert Systems.	K2,K3, K4& K5	PS03, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	2	3	1	1
CO3	3	1	2	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping of COs with POs

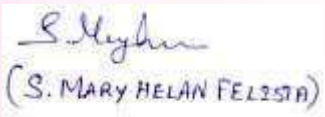
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	2	1	1	1	1	1	1	1	1
CO2	1	1	3	1	2	1	1	1	1	1	1	1
CO3	1	3	1	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	2	1	1	1	1	1	1
CO5	3	1	1	1	1	1	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

DR. R. SMEETA MARY **HOD'S Signature & Name**



I MCA

SEMESTER - I

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAAM02	SOFT COMPUTING	SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING	4	4

COURSE DESCRIPTION

This course provides the principal constituents of soft computing that is fuzzy logic, neural network theory and probabilistic reasoning. The course explores the features that are employed in various associated techniques.

COURSE OBJECTIVE

- To master the various fundamental models of artificial neural networks.
- To cater the knowledge of Neural Networks and use these for controlling real time systems.
- To use the fuzzy logic and neural network for application related to design and manufacture.

UNIT – I FUNDAMENTALS OF NEURAL NETWORKS (12 Hours)

Basic Concepts of Neural Networks – Human Brain - Model of An Artificial Neuron – Neural Network Architectures –Single Layer Feedforward Network – Multilayer Feedforward Network – Recurrent Networks - Learning Methods – Taxonomy of Neural Network Architectures –History of Neural Networks Research-Early Neural Networks Architectures – Rosenblatt's Perception – ADALINE Network – MADELINE Networks.

SELF STUDY : Single Layer Feedforward Network

UNIT - II BACK PROPAGATION NETWORKS (12 Hours) Architecture of back propagation network – The Perceptron Model – The Solution – Single Layer Artificial Neural Network – Model for Multilayer Perceptron - Back Propagation Learning – Input Layer Computation – Hidden Layer Computation – Output Layer

Computation – Calculation of Error – Training of Neural Network – Method of Steepest Descent – Effect of Learning Rate – Adding a Momentum Term – Backpropagation Algorithm - Applications – Design of Journal Bearing – Classification of Soil – Hot Extrusion of Steel - Selection Of Various Parameters in BPN – Number of Hidden Nodes – Momentum Coefficient – Sigmoidal Gain – Local Minima – Learning Coefficient.

SELF STUDY : Single Layer Artificial Neural Network

UNIT - III ADAPTIVE REASONANCE THEORY (12 Hours)

Introduction –Cluster Structure – Vector Quantization – Classical ART Networks – Simplified SRT Architecture - ART 1 – Architecture of ART1 – Special Features of ART1 Models – ART1 Algorithm - ART2 – Architecture – ART2 Algorithm - Applications – Character Recognition Using ART1 – Classification of Soil – Prediction of Load from Yield Line Patterns of Elastic Plastic Clamped Square Plate - Sensitivities of ordering of data.

SELF STUDY : Vector Quantization

UNIT - IV FUZZY LOGIC PRINCIPLES, CLASSICAL SETS AND FUZZY SETS (12 Hours)

The Case for Imprecision - A Historical Perspective - The Utility of Fuzzy Systems - Limitations of Fuzzy Systems - The Illusion: Ignoring Uncertainty and Accuracy - Uncertainty and Information - The Unknown - Fuzzy Sets and Membership - Chance Versus Fuzziness - Sets as Points in Hypercubes - Classical Sets - Operations on Classical Sets - Properties of Classical (Crisp) Sets - Mapping of Classical Sets to Functions - Fuzzy Sets - Fuzzy Set Operations - Properties of Fuzzy Sets - Alternative Fuzzy Set Operations.

SELF STUDY : Limitations of Fuzzy Systems

UNIT - V CLASSICAL RELATIONS AND FUZZY RELATIONS, PROPERTIES OF MEMBERSHIP FUNCTIONS, FUZZIFICATION, AND DEFUZZIFICATION

Cartesian Product - Crisp Relations - Cardinality of Crisp Relations - Operations on Crisp Relations - Properties of Crisp Relations - Composition - Fuzzy Relations - Cardinality of Fuzzy Relations - Operations on Fuzzy Relations - Properties of Fuzzy Relations - Fuzzy Cartesian Product and Composition - Tolerance and Equivalence Relations - Crisp Equivalence Relation - Crisp Tolerance Relation - Features of the

Membership Function - Various Forms - Fuzzification - Defuzzification to Crisp Sets - λ-Cuts for Fuzzy Relations - Defuzzification to Scalars.

SELF STUDY: Cartesian Product.

REFERENCE BOOKS :

1. Rajasekaran. S.. Vijayalakshmi Pai. G.A. "Neural Networks, Fuzzy Logic and Genetic Algorithms", Prentice Hall of India Private Limited, 2011
2. Timothy J.Ross, "Fuzzy logic with Engineering Applications", McGraw Hill, 2011
3. S.Rajasekaran, G. A. Vijayalakshmi Pai "Neural Networks, Fuzzy Systems and Evolutionary Algorithms Synthesis and Applications" 2nd Edition, PHI 2017.
4. Laurance Fausett, "Fundamentals of Neural Networks", Prentice hall, 2006.

WEB RESOURCES:

1. http://en.wikipedia.org/wiki/Neural_network
2. http://en.wikipedia.org/wiki/Fuzzy_logic
3. https://books.google.co.in/books?isbn=8120321863

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 FUNDAMENTALS OF NEURAL NETWORKS				
1.1	Basic Concepts of Neural Networks , Human Brain	1	Chalk & Talk	Black Board
1.2	Model of An Artificial Neuron , Neural Network Architectures	2	Chalk & Talk	Black Board
1.3	Single Layer Feedforward Network , Multilayer Feedforward Network	1	Lecture	White board
1.4	Recurrent Networks , Learning Methods	1	Chalk & Talk	Black Board
1.5	Taxonomy of Neural Network Architectures	2	Discussion	Black Board

1.6	History of Neural Networks Research	2	Lecture	White board
1.7	Early Neural Networks Architectures , Rosenblatt's Perception	1	Lecture	White board
1.8	ADALINE Network , MADELINE Networks	2	Discussion	Google classroom
UNIT 2 BACK PROPAGATION NETWORKS				
2.1	Architecture of back propagation network , The Perceptron Model , The Solution	1	Lecture	PPT
2.2	Single Layer Artificial Neural Network , Model for Multilayer Perceptron	2	Chalk & Talk	Black Board
2.3	Back Propagation Learning , Input Layer Computation , Hidden Layer Computation	2	Lecture	PPT
2.4	Output Layer Computation , Calculation of Error , Training of Neural Network	1	Lecture	White board
2.5	Method of Steepest Descent , Effect of Learning Rate	1	Discussion	Black Board
2.6	Adding a Momentum Term , Backpropagation Algorithm , Applications	1	Chalk & Talk	Black Board
2.7	Design of Journal Bearing , Classification of Soil , Hot Extrusion of Steel	2	Chalk & Talk	Black Board
2.8	Selection Of Various Parameters in BPN , Number of Hidden Nodes , Momentum Coefficient	1	Lecture	PPT
2.9	Sigmoidal Gain , Local Minima , Learning Coefficient	1	Lecture	PPT
UNIT 3 ADAPTIVE REASONANCE THEORY				

3.1	Introduction , Cluster Structure	1	Lecture	White board
3.2	Vector Quantization , Classical ART Networks	1	Chalk & Talk	Black Board
3.3	Simplified SRT Architecture , ART 1 , Architecture of ART1	2	Lecture	PPT
3.4	Special Features of ART1 Models , ART1 Algorithm	2	Lecture	White board
3.5	ART2 , Architecture , ART2 Algorithm , Applications	2	Discussion	Black Board
3.6	Character Recognition Using ART1 , Classification of Soil	2	Lecture	PPT
3.7	Prediction of Load from Yield Line Patterns of Elastic Plastic Clamped Square Plate	1	Chalk & Talk	Black Board
3.8	Sensitivities of ordering of data	1	Lecture	White board
UNIT 4 FUZZY LOGIC PRINCIPLES, CLASSICAL SETS AND FUZZY SETS				
4.1	The Case for Imprecision , A Historical Perspective	2	Lecture	PPT
4.2	The Utility of Fuzzy Systems , Limitations of Fuzzy Systems	2	Lecture	PPT
4.3	The Illusion: Ignoring Uncertainty and Accuracy	1	Chalk & Talk	Black Board
4.4	Uncertainty and Information , The Unknown , Fuzzy Sets and Membership	1	Chalk & Talk	Black Board
4.5	Chance Versus Fuzziness , Sets as Points in Hypercubes	1	Discussion	Black Board
4.6	Classical Sets , Operations on Classical Sets	1	Lecture	PPT

4.7	Properties of Classical (Crisp) Sets , Mapping of Classical Sets to Functions	1	Chalk & Talk	Black Board
4.8	Fuzzy Sets , Fuzzy Set Operations	1	Lecture	PPT
4.9	Properties of Fuzzy Sets , Alternative Fuzzy Set Operations	2	Lecture	PPT
UNIT – 5 CLASSICAL RELATIONS AND FUZZY RELATIONS, PROPERTIES OF MEMBERSHIP FUNCTIONS, FUZZIFICATION, AND DEFUZZIFICATION				
5.1	Cartesian Product , Crisp Relations	1	Chalk & Talk	Black Board
5.2	Cardinality of Crisp Relations , Operations on Crisp Relations	1	Lecture	PPT
5.3	Properties of Crisp Relations , Composition	1	Lecture	PPT
5.4	Fuzzy Relations , Cardinality of Fuzzy Relations	1	Lecture	White board
5.5	Operations on Fuzzy Relations , Properties of Fuzzy Relations	2	Lecture	White board
5.6	Fuzzy Cartesian Product and Composition	1	Lecture	White board
5.7	Tolerance and Equivalence Relations , Crisp Equivalence Relations	1	Lecture	White board
5.8	Crisp Tolerance Relation, Features of the Membership Function	1	Chalk & Talk	Black Board
5.9	Various Forms , Fuzzification	1	Chalk & Talk	Black Board
5.10	Defuzzification to Crisp Sets , λ-Cuts for Fuzzy Relations	1	Discussion	Black Board
5.11	Defuzzification to Scalars	1	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO1	Explore the functional components of artificial neural networks..	K2, K4	PSO1 & PSO2
CO2	Examine the principles of back propagation networks.	K2, K3, K4	PSO1 & PSO2
CO3	Expose the students to the concepts of predicting the functionalities of ART.	K2 , K4	PSO3 & PSO5
CO4	Analyze the logic principle of classical sets and fuzzy set operations in fuzzy set theory.	K2, K3, K4 & K5	PSO3 & PSO4
CO5	Identify the concept of fuzzification and defuzzification involved in various systems.	K2, K3, K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	2	3	1	1	1
CO3	1	1	2	1	3
CO4	1	1	3	2	1
CO5	1	1	1	3	2

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	1	1	1	3	1	1	1	1	1	1
CO2	1	1	1	1	3	1	1	1	1	1	2	1
CO3	1	1	2	1	1	1	1	1	3	1	1	1
CO4	3	1	1	1	1	1	2	1	1	1	1	1
CO5	1	3	1	2	1	1	1	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

DR. R. SMEETA MARY

Forwarded By

HOD'S Signature & Name

I MCA

SEMESTER - II

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCAAM03	MACHINE LEARNING	SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING	4	4

COURSE DESCRIPTION

This course provides an introduction to learn Machine Intelligence and Machine Learning Applications algorithms to solve real world problems.

COURSE OBJECTIVE

- To introduce the fundamentals of Machine Learning, the classifiers and its associated algorithms.
- To define the knowledge on supervised and unsupervised learning algorithms used for classification, prediction and clustering.
- To impart ability to write simple to intermediate programs in expert systems through scikit learn tools.

UNIT- I INTRODUCTION (12 Hours)

Introduction To Machine Learning -Learning Problems – Learning System – Issues In Machine Learning - Concept Learning - Learning Task – General-To-Specific Ordering – Inductive Bias.

SELF STUDY : Choosing The Target Function

UNIT-II DECISION TREE & BAYESIAN LEARNING (12 Hours)

Decision Tree Learning -Bayesian Learning - Bayes Theorem – Bayes Theorem and Concept Learning – Naive Bayes Classifier - Bayesian Networks. **SELF STUDY :**Avoiding Overfitting the Data.

UNIT - III CLUSTERING (12 Hours)

Introduction - Mixture Densities - K-Means Clustering - Mixtures of Latent Variable Models - Supervised Learning After Clustering - Spectral Clustering - Hierarchical Clustering - Choosing the Number of Clusters.

SELF STUDY: Choosing the Number of Clusters.

UNIT-IV GENETIC ALGORITHMS (12 Hours)

Introduction to Instance Based Learning – K-Nearest Neighbor Learning - Genetic Algorithms - Hypotheses – Genetic Operators – Genetic Programming.

SELF STUDY: Parallelizing Genetic Algorithms.

UNIT-V SCIKIT-LEARN (12 Hours)

Scikit - Learn–Introduction - Modelling process - Data Representation - Estimator API – Conventions - Linear Modelling - Support Vector Machine - Classification with Naïve Bayes - Decision Trees - Clustering Methods.

SELF STUDY: Decision Trees.

REFERENCE BOOKS:

1. Tom M. Mitchell, "Machine Learning", Tata McGraw-Hill, New Delhi, 2021.
2. Hastie.T, Tibshirani.R, and Friedman.J, "The Elements of Statistical Learning: Data Mining Inference and Prediction", Second edition, Springer, 2013.
3. Christopher M. Bishop, "Pattern Recognition and Machine Learning" – Information Science and Statistics, Springer, 2016.

WEB RESOURCES:

1. https://machinelearningmastery.com/machine-learning-with-python/
2. http://ibpsa.fr/jdownloads/Simurex/2015/Presentations/30_03_atelierdatamining.pdf
3. https://www.tutorialspoint.com/knime/index.htm

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 INTRODUCTION				
1.1	Introduction to Machine Learning	1	Chalk & Talk	Black Board
1.2	Learning Problems	2	Chalk & Talk	Black Board
1.3	Learning System	2	Lecture	PPT
1.4	Issues in Machine Learning	2	Chalk & Talk	Black Board
1.5	Concept Learning	1	Discussion	Black Board
1.6	Learning Task	1	Lecture	White board
1.7	General-To-Specific Ordering	2	Lecture	PPT
1.8	Inductive Bias	1	Lecture	White board
UNIT 2 DECISION TREE & BAYESIAN LEARNING				
2.1	Decision Tree Learning	2	Lecture	PPT
2.2	Bayesian Learning	2	Discussion	Black Board
2.3	Bayes Theorem	2	Chalk & Talk	PPT
2.4	Bayes Theorem and Concept Learning	2	Lecture	White board
2.5	Naive Bayes Classifier	2	Discussion	Black Board
2.6	Bayesian Networks	2	Lecture	PPT
UNIT 3 CLUSTERING				
3.1	Introduction, Mixture Densities	2	Lecture	PPT
3.2	K-Means Clustering, Mixtures of Latent Variable Models	2	Lecture	PPT
3.3	Supervised Learning After Clustering	2	Chalk & Talk	Black Board
3.4	Spectral Clustering	2	Chalk & Talk	Black Board
3.5	Hierarchical Clustering	2	Discussion	Black Board
3.6	Choosing the Number of Clusters.	2	Discussion	Google classroom

UNIT 4 GENETIC ALGORITHMS				
4.1	Introduction to Instance Based Learning	2	Lecture	White board
4.2	K-Nearest Neighbor Learning	2	Chalk & Talk	Black Board
4.3	Genetic Algorithms	2	Lecture	PPT
4.4	Hypotheses	2	Lecture	White board
4.5	Genetic Operators	2	Lecture	PPT
4.6	Genetic Programming	2	Discussion	Google classroom
UNIT 5 SCIKIT-LEARN				
5.1	Scikit-Learn ,Introduction, Modelling process	2	Chalk & Talk	White Board
5.2	Data Representation, Estimator API	2	Demonstration	LCD
5.3	Conventions, Linear Modelling	2	Demonstration	LCD
5.4	Support Vector Machine	2	Demonstration	LCD
5.5	Classification with Naïve Bayes	2	Demonstration	LCD
5.6	Decision Trees, Clustering Methods	2	Demonstration	LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment

	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify the concepts of machine learning	K2, K4	PSO1,PS02
CO 2	Demonstrate Decision Tree learning and Bayesian Learning for classification.	K2, K3, K4	PSO2, PSO3
CO 3	Design and carry out an empirical evaluation of different algorithms on a clustering and state the conclusions that the evaluation supports.	K2 , K4	PSO1, PSO3
CO 4	Analyze the logic behind Genetic Algorithms.	K2, K3, K4& K5	PSO4, PSO5
CO 5	Apply the concepts of Expert Systems in machine learning, Examine and Explore scikit learn techniques	K2,K3, K4& K5	PS03, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	2	3	1	1
CO3	3	1	2	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping of COs with POs

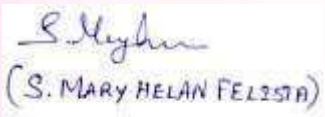
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	2	1	1	1	1	1	1	1	1
CO2	1	1	3	1	2	1	1	1	1	1	1	1
CO3	1	3	1	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	2	1	1	1	1	1	1
CO5	3	1	1	1	1	1	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

DR. R. SMEETA MARY **HOD'S Signature & Name**



I MCA

SEMESTER – II

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAAM04	NEURAL NETWORKS	SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING	4	4

COURSE DESCRIPTION

This course provides the basic principles of Neural Networks. It will cover Neuro computing, Layer Perceptron, Pattern Association, HopFiled Net, Back Propagation Network, Probabilistic Neural Network and Application of Neural Networks

COURSE OBJECTIVE

- To learn the various fundamental models of artificial neural networks.
- To have an understanding of Neural Networks and use these for controlling real time systems.
- To have a basic proficiency to use neural network for application related to design and manufacture.

UNIT-I INTRODUCTION TO NN AND ARTIFICIAL NN (12 Hours)

Introduction - Neural Processing - Overview – The Rise of Neuro computing - Introduction - Artificial Neural Networks - Historical Development of Neural Networks - Biological Neural Networks - Comparison between the brain and the computer - Comparison between artificial and biological Neural Network - Artificial Neural Network Terminologies.

SELF STUDY: Historical Development of Neural Networks

UNIT-II **(12 Hours)**

MODELS OF ARTIFICIAL NN & PERCEPTRON NETWORKS

Introduction-McCulloch-Pitts Neuron Model-Learning Rules – Introduction - Single Layer Perceptron - Brief Introduction to Multilayer Perceptron Networks.

SELF STUDY: Single Layer Perceptron

UNIT-IIIASSOCIATIVE MEMORY NETWORKS **(12 Hours)**

Introduction - Algorithm for Pattern Association - Hetero Associative Memory Neural Networks - Auto Associative Memory Network.

SELF STUDY: Auto Associative Memory Network

UNIT-IVFEEDBACK AND FEED FORWARD NETWORK(12 Hours)

Introduction - Discrete HopFiled Net - Continuous Hoppfiled Net – Introduction - Back Propagation Network.

SELF STUDY: Discrete HopFiled Net

UNIT-V AI SPECIAL NETWORKS &APPLICATIONS OF NN **(12 Hours)**

Introduction - Probabilistic Neural Network – Cognitron – Neocognitron - Boltzman Machine - Boltzman Machine with Learning - Support Vector Machine - Application of Neural Networks in Arts – Bioinformatics – Use of Neural Networks in Knowledge Extraction.

SELF STUDY: Application of Neural Networks in Arts

REFERENCE BOOKS

1. S N Sivanandam, S. Sumathi, S.N.Deepa, “Introduction to Neural Networks”, Tata McGraw – Hill Publishing Company Limited, 2017.
2. S.Rajasekaran, G.A.Vijayalakshmi, “Neural Networks, Fuzzu Logic and Genetic Algorithms”, PHP Learning Private Limited, Delhi, 2015.
3. Bart Kosko, “Neural Networks and Fuzzy Systems”, PHP Learning Private Limited, Delhi, 2012.
4. Jhh-shing Roger Jang, Chuen-Tsai Sun, EijiMizutani, Bart Kosko “Neuro-Fuzzy and Soft Computing”, PHP Learning Private Limited, Delhi, 2012.

WEB RESOURCES

1. http://www.soukalfi.edu.sk/01_NeuroFuzzyApproach
2. https:// /Neuro_fuzzy_and_Soft_Computing.html?id=vn5qaaaamaaj
3. https://en.wikipedia.org/wiki/Neural_network

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 INTRODUCTION TO NN AND ARTIFICIAL NN				
1.1	Introduction , Neural Processing , Overview	2	Chalk & Talk	Black Board
1.2	The Rise of Neurocomputing , Introduction	2	Chalk & Talk	Black Board
1.3	Artificial Neural Networks , Historical Development of Neural Networks	2	Lecture	White board
1.4	Biological Neural Networks , Comparison between the brain and the computer	2	Chalk & Talk	Black Board
1.5	Comparison between artificial and biological Neural Network	2	Discussion	Black Board
1.6	Artificial Neural Network Terminologies	2	Lecture	White board
UNIT 2 MODELS OF ARTIFICIAL NN & PERCEPTRON NETWORKS				
2.1	Introduction, McCulloch-Pitts Neuron Model	2	Lecture	PPT

2.2	Learning Rules	3	Chalk & Talk	Black Board
2.3	Introduction	2	Lecture	PPT
2.4	Single Layer Perceptron	3	Lecture	White board
2.5	Brief Introduction to Multilayer Perceptron Networks	2	Discussion	Black Board
UNIT 3 ASSOCIATIVE MEMORY NETWORKS				
3.1	Introduction	1	Lecture	White board
3.2	Algorithm for Pattern Association	1	Chalk & Talk	Black Board
3.3	Hetero Associative Memory Neural Networks	5	Lecture	PPT
3.4	Auto Associative Memory Network	5	Lecture	PPT
UNIT 4 FEEDBACK AND FEED FORWARD NETWORK				
4.1	Introduction	1	Lecture	PPT
4.2	Discrete HopFiled Net	3	Lecture	PPT
4.3	Continuous Hoppfiled Net	3	Chalk & Talk	Black Board
4.4	Introduction	1	Chalk & Talk	Black Board
4.5	Back Propagation Network	4	Discussion	Black Board
UNIT 5 AI SPECIAL NETWORKS &APPLICATIONS OF NN				
5.1	Introduction , Probabilistic Neural Network	1	Chalk & Talk	Black Board
5.2	Cognitron	1	Lecture	PPT

5.3	Neocognitron	1	Lecture	PPT
5.4	Boltzman Machine	1	Lecture	White board
5.5	Boltzman Machine with Learning	2	Lecture	White board
5.6	Support Vector Machine	2	Lecture	White board
5.7	Application of Neural Networks in Arts	2	Chalk & Talk	White Board
5.8	Bioinformatics	1	Demonstration	LCD
5.9	Use of Neural Networks in Knowledge Extraction	1	Demonstration	LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2*-Understand,* ***K3****-Apply,* ***K4****-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO1	Identify problems that are amenable to solution by Neural networks methods.	K2, K4	PSO1& PSO2
CO2	Formulate searching rules and implement Single Layer Perceptron and Multilayer Perceptron Networks.	K2, K3, K4	PSO2 & PSO3
CO3	Design and carry out an empirical evaluation of different algorithms on Pattern Association	K2, K4	PSO1 & PSO4
CO4	Analyze Feedback and Feed forward Network and implement optimal and efficient solutions.	K2, K3, K4& K5	PSO3 & PSO5
CO5	Apply the application of Neural Networks in Arts, Bioinformatics and use of Neural Networks in Knowledge Extraction.	K2,K3, K4& K5	PSO4 &PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	2	1	1
CO3	2	1	1	3	1
CO4	1	1	3	1	2
CO5	1	1	1	2	3

Mapping of COs with POs

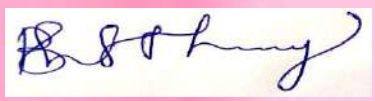
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	1	1	2	1	1	1	1	1	1
CO2	1	1	1	1	3	1	2	1	1	1	1	1
CO3	1	1	3	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	1	1	1	2	1	1	1
CO5	3	1	1	1	1	1	1	1	1	2	1	1

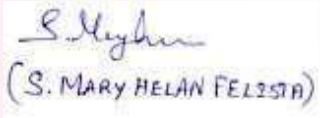
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

R. SMEETA MARY **HOD'S Signature & Name**





II MCA

SEMESTER – III

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAAM05	HUMAN COMPUTER INTERACTION	SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING	4	4

COURSE DESCRIPTION

This course introduces the fundamental theories and concepts of human computer interaction. It provides knowledge on analyzing interaction problems from a technical, cognitive and functional perspective.

COURSE OBJECTIVE

- Learn the foundations of Human Computer Interaction
- Be familiar with the design technologies for individuals and persons with disabilities
- Be aware of mobile HCI
- Learn the guidelines for user interface.

UNIT I **(12 Hours)**

FOUNDATIONS OF HCI

The Human: Introduction – Input/Output Channels – Human Memory – Thinking: Reasoning and problem solving;

The Computer: Introduction – Text entry Devices – Positioning, pointing and drawing – Display devices – Devices for virtual reality and 3D interaction -Memory – Processing and networks;

SELF STUDY: Devices for virtual reality and 3D interaction

UNIT II **(12 Hours)**

THE INTERACTION: Models of interaction – Models of interaction – Frameworks and HCI – Ergonomics – Interaction styles – Elements of the WIMP interface – Interactivity- the context of the interaction

PARADIGMS : Introduction – Paradigms for interaction

SELF STUDY Interactivity- the context of the interaction

UNIT III **(12 Hours)**

INTERACTION DESIGN BASICS: Introduction – the process of design – User focus – the process of design – scenarios – navigation design – screen design – Iteration and prototyping.

HCI IN SOFTWARE PROCESS: Introduction – software life cycle – usability engineering – Prototyping in practice – design rationale.

SELF STUDY: software life cycle

UNIT IV **(12 Hours)**

DESIGN RULES: Introduction – principles to support usability- standards - guidelines – rules and heuristics – HCI patterns.

EVALUATION TECHNIQUES: Goals of evaluation – evaluation through expert analysis – evaluation through user participation – choosing an evaluation method.

SELF STUDY: HCI patterns , Choosing an evaluation method.

UNIT V **(12 Hours)**

UNIVERSAL DESIGN: Introduction – Universal design principles – Multi modal interaction – Designing web sites for screen readers – choosing the right kind of speech – Designing for diversity

USER SUPPORT: Introduction – Requirements of user support – Approaches to user support –Adaptive help systems

SELF STUDY: Designing for diversity , Approaches to user support

REFERENCES:

1. Alan Dix, Janet Finlay , “Human-Computer Interaction”,4TH edition, Pearson India , 2019
2. Uzma Shaheen, Shweta Saini ,”Human Computer Interaction”, A. B. Publication, 2012
3. Preece, Rogers, Sharp, “Interaction Design : Beyond Human - Computer Interaction”, Wiley Publication, 5th Edition, 2019
4. Cohen, Jacobs, Shneiderman, Plaisant, “Designing the User Interface: Strategies for Effective Human-Computer Interaction”, Pearson Education, 6th Edition, 2017

WEB RESOURCES:

1.https://www.hcibib.org/

2.https://www.interaction-design.org/literature/topics/human-computer-interaction

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 FOUNDATIONS OF HCI				
1.1	**The Human**: Introduction – Input/Output Channels	2	Chalk & Talk	Black Board
1.2	Human Memory	2	Lecture	PPT & White board
1.3	Thinking: Reasoning and problem solving	2	Lecture	PPT & White board
1.4	The Computer: Introduction	2	Lecture	PPT & White board
1.5	Text entry Devices – Positioning, pointing and drawing – Display devices	2	Lecture	PPT
1.6	Devices for virtual reality and 3D interaction -Memory – Processing and networks	2	Lecture	PPT
UNIT 2 - THE INTERACTION & PARADIGMS				
2.1	Models of interaction Frameworks and HCI	2	Discussion	Black Board
2.2	Ergonomics	2	Lecture	Google classroom
2.3	Interaction styles	2	Lecture	PPT
2.4	Elements of the WIMP interface – Interactivity- the context of the interaction	2	Lecture	Smart Board
2.5	Paradigms - Introduction	2	Lecture	Black Board

2.6	Paradigms for interaction	2	Lecture	PPT &Black board
UNIT 3 – INTERACTION DESIGN & HCI IN SOFTWARE PROCESS				
3.1	Interaction Design basics: Introduction	1	Discussion	Black Board
3.2	The process of design – User focus	2	Lecture	PPT
3.3	The process of design – scenarios	2	Lecture	PPT & White board
3.4	Navigation design – screen design – Iteration and prototyping.	3	Lecture	Smart Board
3.5	HCI in software process: Introduction, software life cycle – usability engineering	2	Lecture	Black Board
3.6	Prototyping in practice – design rationale	2	Lecture	PPT
UNIT 4 – DESIGN RULES & EVALUATION TECHNIQUE				
4.1	Design rules: Introduction – principles to support usability	3	Lecture	PPT
4.2	standards - guidelines – rules and heuristics	3	Lecture	PPT
4.3	HCI patterns	1	Lecture	PPT
4.4	Evaluation Techniques: Goals of evaluation – evaluation through expert analysis	2	Lecture	PPT
4.5	Evaluation through user participation – choosing an evaluation method.	3	Discussion	White Board
UNIT -5 – UNIVERSAL DESIGN & USER SUPPORT				
5.1	Universal Design: Introduction – Universal design principles	2	Lecture	PPT
5.2	Multi modal interaction – Designing web sites for screen readers	3	Lecture	PPT

5.3	choosing the right kind of speech – Designing for diversity	2	Lecture	PPT
5.4	**User support**: Introduction – Requirements of user support	3	Lecture	PPT
5.5	Approaches to user support –Adaptive help systems	2	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Design effective dialog for HCI	K2, K4	PSO1 & PSO2
CO 2	Design effective HCI for individuals and persons with disabilities	K2, K3, K4	PSO2
CO 3	Assess the importance of user feedback	K2 , K4	PSO3 & PSO4
CO 4	Explain the HCI implications for designing websites	K2, K3,K4 & K5	PSO1 & PSO4
CO 5	Develop meaningful user interface	K2,K3,K4 & K5	PSO1 & PSO2

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	1	1	1
CO3	1	1	3	2	1
CO4	3	1	1	2	1
CO5	3	2	1	1	1

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	1	2	1	1	1	1	1	2	1
CO2	1	2	1	1	2	1	2	1	1	1	3	1
CO3	1	2	1	1	2	3	1	1	1	1	3	1
CO4	1	3	1	1	3	1	2	1	1	1	2	1
CO5	3	2	1	1	2	2	3	1	1	1	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

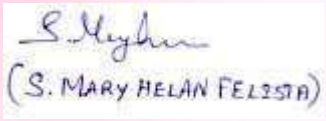
♦ Weakly Correlated -**1**

COURSE DESIGNER

S. JEBAPRIYA

Forwarded By

HOD'S Signature & Name



II MCA

SEMESTER – III

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAAM06	DEEP LEARNING	SPECIALIZATION ELECTIVE – AI & MACHINE LEARNING	4	4

COURSE DESCRIPTION

The course aims to provide an understanding of different types of Deep Architectures, including Convolutional Networks and Recurrent Networks.

COURSE OBJECTIVES

- To learn feed forward deep networks.
- To understand convolutional networks and sequence modelling.
- To study auto encoders and representation learning.
- To expose the students to various deep generative models.
- To study the various applications of deep learning.

UNIT-I DEEP NETWORKS (12 Hours)

Learning Basics: Learning Algorithms – Supervised Learning Algorithms - Unsupervised Learning Algorithms - Regularization for Deep Learning - Parameter Norm Penalties – Norm Penalties as Constrained Optimization – Regularization and Under Constrained Problems - Optimization for Training Deep Models - Challenges In NN Optimization.

SELF STUDY: Unsupervised Learning Algorithms

UNIT-II DEEP NETWORKS: MODERN PRACTICES (12 Hours)

Convolutional Networks – Convolution operation – Motivation - Pooling – Efficient Convolution Algorithms - Recurrent and Recursive Nets - Recurrent neural networks – Deep Recurrent Networks – Recursive Neural Networks – challenge of Long Term Dependencies – Optimization for Long Term Dependencies.

SELF STUDY: Motivation

UNIT-III DEEP LEARNING RESEARCH (12 Hours)

Autoencoders - UndercompleteAutoencoders – Regularized Autoencoders – Representational Power, Layer Size and Depth – Stochastic Encoders and Decoders - Representation Learning - Greedy Layer Wise Unsupervised pretraining – Transfer Learning and Domain Adaptation – Semi Supervised Disentangling of Causal Factors – Distributed Representation – Exponential Gains from Depth – Providing Clues to Discover Underlying Causes.

SELF STUDY: Stochastic Encoders and Decoders

UNIT-IV (12 Hours)

STRUCTURED PROBABILISTIC MODELS, MONTE CARLO METHODS

Structured Probabilistic Models: Challenges of Unstructured Modeling – Using Graphs to Describe Model Structure – Learning About Dependencies – Inference and Approximate Inference – Deep Learning Approach - Monte Carlo Methods - Sampling and Monte Carlo Methods – Importance Sampling – Markov Chain Monte Carlo Methods – Gibbs Sampling – Challenge of Mixing between Separate Modes.

SELF STUDY: Deep Learning Approach

UNIT-V APPLICATIONS (12 Hours)

Large Scale Deep Learning – Fast CPU Implementations – GPU Implementations – Large Scale Distributed Implementations – Model Compression - Computer Vision - Speech Recognition – Natural Language Processing- n-grams – Neural Language Models – High Dimensional outputs – Neural Machine translation

SELF STUDY: Model Compression

REFERENCE BOOKS

1. YoshuaBengio and Ian J.Goodfellow and Aaron Courville, "Deep Learning", MIT Press, 2015.
2. Li Deng, Dong Yu, "Deep Learning: Methods and Applications", now publishers, 2014.
3. Special Issue on deep learning for speech and language processing, IEEE Transaction on Audio, Speech and Language Processing, vol. 18, iss. 5, 2010.

WEB RESOURCES

1. http://www.deeplearning.net
2. www.cs.toronto.edu/~fritz/absps/imagenet.pdf
3. http://neuralnetworksanddeeplearning.com/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 DEEP NETWORKS				
1.1	Learning Basics: Learning Algorithms	2	Chalk & Talk	Black Board
1.2	Supervised Learning Algorithms	2	Chalk & Talk	PPT
1.3	Unsupervised Learning Algorithms	2	Lecture	White board
1.4	Regularization for Deep Learning, Parameter Norm Penalties	2	Chalk & Talk	Black Board
1.5	Norm Penalties as Constrained Optimization, Regularization and Under Constrained Problems	2	Discussion	PPT
1.6	Optimization for Training Deep Models ,Challenges In NN Optimization	2	Lecture	White board
UNIT 2 DEEP NETWORKS: MODERN PRACTICES				
2.1	Convolutional Networks, Convolution operation, Motivation	2	Lecture	PPT
2.2	Pooling , Efficient Convolution Algorithms	2	Chalk & Talk	Black Board
2.3	Recurrent and Recursive Nets, Recurrent neural networks, Deep Recurrent Networks	3	Lecture	PPT

2.4	Recursive Neural Networks, challenge of Long Term Dependencies	3	Lecture	White board
2.5	Optimization for Long Term Dependencies	2	Discussion	Black Board
UNIT 3 DEEP LEARNING RESEARCH				
3.1	Autoencoders, UndercompleteAutoencoders, Regularized Autoencoders	2	Lecture	White board
3.2	Representational Power, Layer Size and Depth, Stochastic Encoders and Decoders	2	Chalk & Talk	Black Board
3.3	Representation Learning, Greedy Layer Wise Unsupervised pretraining	2	Lecture	PPT
3.4	Transfer Learning and Domain Adaptation , Semi Supervised Disentangling of Causal Factors	2	Lecture	PPT
3.5	Distributed Representation	2	Lecture	White board
3.6	Exponential Gains from Depth	1	Discussion	Black Board
3.7	Providing Clues to Discover Underlying Causes	1	Lecture	White board
UNIT 4 STRUCTURED PROBABILISTIC MODELS, MONTE CARLO METHODS				
4.1	Structured Probabilistic Models , Challenges of Unstructured Modeling	1	Lecture	PPT
4.2	Using Graphs to Describe Model Structure,Learning About Dependencies	2	Lecture	PPT
4.3	Inference and Approximate Inference	2	Chalk & Talk	Black Board

4.4	Deep Learning Approach	1	Chalk & Talk	Black Board
4.5	Monte Carlo Methods, Sampling and Monte Carlo Methods	2	Discussion	Black Board
4.6	Importance Sampling, Markov Chain Monte Carlo Methods	2	Lecture	PPT
4.7	Gibbs Sampling	1	Lecture	White board
4.8	Challenge of Mixing between Separate Modes	1	Discussion	Black Board
UNIT 5 APPLICATIONS				
5.1	Large Scale Deep Learning,Fast CPU Implementations, GPU Implementations	1	Chalk & Talk	Black Board
5.2	Large Scale Distributed Implementations	1	Lecture	PPT
5.3	Model Compression, Computer Vision	1	Lecture	PPT
5.4	Speech Recognition	1	Lecture	White board
5.5	Natural Language Processing, n-grams	2	Lecture	White board
5.6	Neural Language Models	2	Lecture	White board
5.7	High Dimensional outputs	2	Chalk & Talk	White Board
5.8	Neural Machine translation	2	Demonstration	LCD

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO1	Identify problems that are amenable to solution by deep networks	K2, K4	PSO1 & PSO2
CO2	Formulate convolutional networks and sequence modelling for problem solving	K2, K3, K4	PSO2 & PS03
CO3	Design and carry out an empirical evaluation of autoencoders and representation learning	K2, K4	PSO1 & PSO4
CO4	Analyze structured probabilistic and Monte Carlo Methods	K2, K3, K4 & K5	PSO3 & PSO5
CO5	Apply the applications of deep learning.	K2, K3, K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	2	1	1
CO3	2	1	1	3	1
CO4	1	1	3	1	2
CO5	1	1	1	2	3

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	1	1	1	1	1	2	1	1	1
CO2	1	1	1	3	1	1	2	1	1	1	1	1
CO3	1	1	3	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	1	1	1	1	2	1	1
CO5	3	1	1	1	2	1	1	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

R. SMEETA MARY

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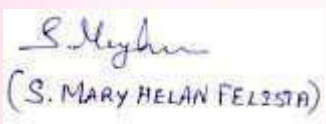
HOD'S Signature & Name



GENERAL ELECTIVE - MCA

(For those who joined in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCAGE01	E-CONTENT DEVELOPMENT	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course helps to promote content generation, adaptation and distribution of e–content through electronic media

COURSE OBJECTIVES

- To identify the multimedia principles and elements for E–Learning
- To Understand the techniques to create customized lessons
- To work on the audio and video editing tools

UNIT I: INTRODUCTION TO E–LEARNING (12 Hours)

Introduction – Need for e–learning – Objectives – Trends – Benefits – Challenges – Phases of E–Content – Characteristics – Components – Elements of e–content – Content Generation – Adaptation.

SELF STUDY: Phases of E–Content

UNIT II: MULTIMEDIA IN E–CONTENT DEVELOPMENT (12 Hours)

Electronic Content (E–content)– Designing and Development of E–content–Standards of E–content– Learning Objects and Re–usability of E–content.

SELF STUDY: Re–usability of E–content

UNIT III: E–CONTENT TOOL (12 Hours)

Tools – Freeware – Open Source Software (OSS) – Proprietary software – Public domain software.

SELF STUDY: Freeware

UNIT IV: GRAPHICS, AUDIO AND VIDEO EDITING (12 Hours)

Wevideo –Magisto–DrawPad–PhotoShop–MyPaint–Inkscape–GIMP –WavePad–Audacity–Case Study – VideoPad –Magisto –VideoPad –Openshot –Concept mapping–Visual Understanding Environment (VUE)–Case Study.

SELF STUDY: GIMP

UNIT V: AUTHORING TOOLS (12 Hours)

Introduction – Charecteristics – eXe Learning – Xerte – Generation –Adaptation – Distribution of E–Content – Case Study

SELF STUDY: Adaptation

REFERENCE BOOKS:

1. Critical Understanding of ICT, Unit 12: E–Content and Open Educational Resources (OER)

WEB REFERENCES:

1. https://onlinecourses.swayam2.ac.in/ntr20_ed11/preview
2. https://sites.google.com/site/bethanycollegeofteacheredn/e-content-and-open-educational-resources

COURSE CONTENTS & LECTURE SCHEDULE :

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT I: INTRODUCTION TO E-LEARNING				
1.1	Introduction-Need for e-learning	1	Chalk & Talk	Black Board
1.2	Objectives-Trends – Benefits	1	Chalk & Talk	LCD
1.3	Challenges-Phases of E-Content	1	Lecture	PPT & White board
1.4	Characteristics-Components-	1	Lecture	Smart Board
1.5	Elements of e-content-Content	1	Lecture	Smart Board
1.6	Generation-Adaptation	1	Lecture	Smart Board
UNIT 2: MULTIMEDIA IN E-CONTENT DEVELOPMENT				
2.1	Designing and Development of E-content	2	Chalk & Talk	Black Board
2.2	Standards of E-content	2	Chalk & Talk	LCD
2.3	Learning Objects and Re-usability of E-content	2	Lecture	PPT & White board
UNIT -3 E-CONTENT TOOLS				
3.1	Tools- Freeware	1	Chalk & Talk	Black Board
3.2	Open Source Software (OSS)	2	Chalk & Talk	LCD

3.3	Proprietary software	2	Lecture	PPT & White board
3.4	Public domain software	1	Lecture	Smart Board
UNIT -4 GRAPHICS, AUDIO AND VIDEO EDITING				
4.1	Wevideo –Magisto-DrawPad	1	Chalk & Talk	Black Board
4.2	PhotoShop-MyPaint-Inkscape-GIMP	1	Chalk & Talk	LCD
4.3	WavePad-Audacity-Case Study	1	Lecture	PPT & White board
4.4	VideoPad –Magisto –VideoPad-Openshot	1	Lecture	Smart Board
4.5	Concept mapping	1	Lecture	Black Board
4.6	Visual Understanding Environment (VUE)-Case Study	1	Discussion	Google classroom
UNIT -5 AUTHORING TOOLS				
5.1	Charecteristics-eXe Learning	1	Chalk & Talk	Black Board
5.2	Xerte	2	Chalk & Talk	LCD
5.3	Generation-Adaptation	2	Lecture	PPT & White board
5.4	Distribution of E-Content-Case Study	1	Lecture	Smart Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand, **K3**-Apply, **K4**-Analyse, **K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand E-Learning with respect to its needs, challenges and benefits	**K1**	**PSO1& PSO2**
CO 2	Explain the components of Authoring tools and E-learning standards	**K1, K2**	**PSO2, PSO3**
CO 3	Apply Audio editing techniques for creating podcasts	**K1 & K3**	**PSO3, PSO5**
CO 4	Understand the techniques of creating customized lessons	**K1, K2& K3**	**PSO5, PSO8**
CO 5	Create videos using online tools	**K3& K4**	**PSO8**

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	1	1	1
CO2	1	3	3	1	1
CO3	1	1	3	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping COs with POs

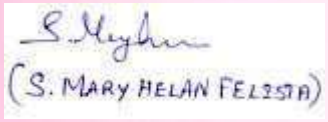
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	2	1	2	1	2
CO2	1	2	3	2	3	2	2	3	1	2	1	2
CO3	1	3	1	2	2	3	3	1	3	3	2	3
CO4	2	2	3	3	1	1	2	2	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	2	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

S. JEBAPRIYA **HOD'S Signature & Name**



GENERAL ELECTIVE - MCA

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAGE02	FINANCIAL MANAGEMENT AND ACCOUNTING	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides an overview of financial concepts, process and operations from a managerial perspective.

COURSE OBJECTIVE

- To define the set of accounting method and disclosure practices from which firms select when providing information to external parties.
- The primary emphasis is to assist in developing the skills required to interpret, analyze and evaluate information contained in published financial statements.

UNIT I ACCOUNTING (12 Hours)

Accounting principles, Basic accounting concepts and conventions, journal, ledger – final accounts.

SELF STUDY: Ledger

UNIT II COSTING (12 Hours)

Introduction to costing - cost elements - Classification of costing- Materials - Stock levels – FIFO, LIFO, Simple Average Method, Weighted Average Method (simple problem only)

SELF STUDY: Classification of costing

UNIT III FUND FLOW AND CASH FLOW STATEMENT (12 Hours)

Meaning –objective- preparation of fund flow statement and cash flow statements.

SELF STUDY: Objective

UNIT IV (12 Hours)

BUDGET AND BUDGETARY CONTROL:

Nature and scope, Importance.

MARGINAL COSTING:

Nature, scope and importance, Break-even analysis, Uses and limitations.

SELF STUDY: Uses and limitations

UNIT V TALLY **(12 Hours)**

Introduction to tally – Accounting Information – Vouchers – Inventory – Purchase/Sales Orders – Invoices – Reports – Important Features of Tally.

SELF STUDY: Invoices

REFERENCES :

1. T.S.Reddy&A.Murthy, "Advanced Accountancy", Margham Publications , 2nd Revised Edition, 2014.
2. T.S.Reddy&Y.Hari Prasad Reddy, "Cost Accounting" ,Margham Publications, Fourth Revised Edition, 2015.
3. T.S Reddy &Y.Hari Prasad Reddy, "Management Accounting", Margham Publications Third Revised Edition- 2014.
4. S. Palanivel,"Tally 9: Accounting Software", Margham Publications, 2015.
5. A.K.Nadani, "Simple Tally 9" BPB Publications, 2010.
6. R.L.Gupta&M.Radhaswamy, "Advanced accountancy", Sultan chand& co, 2014.
7. S.N.Maheswari "Principles of Management accounting", Sultan Chand & co, 2014.
8. R.S.N.Pillai&B.Bagavathi,"Cost accounting", Sultan Chand & co, 2014.

WEB REFERENCES:

1. https:// en.wikipedia.org/wiki/Financial_management
2. https://www.managementstudyguide.com/financial-management.htm

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT1 - ACCOUNTING				
1.1	Principles	2	Lecture	Black Board
1.2	Basic accounting concepts and conventions	3	Lecture	White board
1.3	journal	3	Lecture	Black Board
1.4	Ledger	1	Self Study	PPT
1.5	Final accounts.	3	Lecture	Black Board
UNIT 2 - COSTING				
2.1	Introduction to costing - cost elements	2	Lecture	PPT
2.2	Classification of costing	1	Self Study	Black Board
2.3	Materials	2	Chalk & Talk	PPT
2.4	Stock levels	2	Lecture	White board
2.5	FIFO, LIFO	2	Chalk & Talk	Black Board
2.6	Simple Average Method	1	Chalk & Talk	Black Board
2.7	Weighted Average Method (simple problem only)	2	Chalk & Talk	Black Board
UNIT 3 - FUND FLOW AND CASH FLOW STATEMENT				
3.1	Meaning	3	Lecture	White board
3.2	objective	2	Self Study	Black Board
3.3	preparation of fund flow statement	3	Chalk & Talk	PPT
3.4	cash flow statements	4	Lecture	White board

UNIT 4 -BUDGET AND BUDGETARY CONTROL				
4.1	Nature and scope	2	Chalk & Talk	Black Board
4.2	Importance	3	Lecture	PPT
4.3	Nature, scope and importance	2	Chalk & Talk	Black Board
4.4	Break-even analysis	3	Chalk & Talk	PPT
4.5	Uses and limitations.	2	Self Study	Black Board
UNIT 5 -TALLY				
5.1	Introduction to tally	**2**	Lecture	Black Board
5.2	Accounting Information	2	Chalk & Talk	Black Board
5.3	Vouchers	2	Lecture	Black Board
5.4	Inventory – Purchase/Sales Orders	2	Chalk & Talk	Black Board
5.5	Invoices	2	Chalk & Talk	Black Board
5.6	Important Features of Tally	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Preparation and analysis of balance sheet.	K2, K4	PSO1 & PSO2
CO 2	Predict the Classification of Costing.	K2, K3, K4	PSO1 & PSO2
CO 3	Decide the budget preparation and control of a company.	K2 , K4	PSO1 & PSO2
CO 4	Analyze the flow of funds.	K2, K3,K4& K5	PSO1 , PS02 & PSO4
CO 5	Use Tally to implement the needs of financial accounting.	K2,K3,K4& K5	PSO1, PS03 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	1	1
CO2	2	3	1	1	1
CO3	3	3	1	1	1
CO4	3	3	1	2	1
CO5	2	2	1	1	3

Mapping of COs with POs

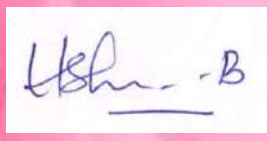
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	1	1	1	1	1	1	2	1	1	1
CO2	1	1	1	3	1	1	2	1	1	1	1	1
CO3	1	1	3	1	1	1	1	2	1	1	1	1
CO4	1	2	1	1	1	1	1	1	1	2	1	1
CO5	3	2	2	3	2	2	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

B. USHA



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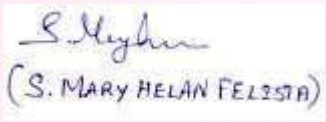


GENERAL ELECTIVE - MCA

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	24MCAGE03	ORGANIZATIONAL BEHAVIOR	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides solution to learn challenges and opportunities in organizations from a behavioral perspective.

COURSE OBJECTIVE

- To develop an Organizational Behavior model for any type of Organization.
- To develop and improve the quality of Leadership.
- To evaluate the Common biases and eradication in Decision Making Process.
- To understand how to manage the Stress during a job.

UNIT – I INTRODUCTION (12 Hours)

Introduction to Organizational Behavior (OB), The Importance of Interpersonal Skills – What Managers Do –Disciplines contributing to the OB field - challenges and opportunities for OB, Developing an OB Model, Diversity in Organizations – Biographical Characteristics - Ability – Implementing Diversity Management Strategies - Attitudes – Main components of Attitudes – Major Job Attitudes - Job satisfaction - Measuring Job satisfaction – Causes - Impact of Employee performance.

SELF STUDY: Values, Attitudes

UNIT – II PERSONALITY AND VALUES (12 Hours)

Personality – Myers-Briggs Type indicator – Big Five Personality Model - Personality Traits – Importance of Values – Generational Values Person – Job Fit – Person Organization Fit - International Values – Perception – Person Perception - Decision Making – Individual Differences - Ethics in Decision Making – Creativity in Decision Making.

SELF STUDY: Ethics in Decision Making

UNIT - III UNDERSTANDING WORK TEAMS (12 Hours)

Teams Vs Groups – Types of Teams, Creating Effective Teams – Turning Individuals into Team Players.

Communication: Functions of Communication, Communication Process – Direction of communication, Interpersonal and Organizational communication, Barriers of effective communication.

SELF STUDY: Communication Process

UNIT – IV LEADERSHIP & ORGANIZATIONAL STRUCTURE(12 Hours)

Leadership – Definition - Trait Theories – Behavioral Theories, Contingency Theories - LMX Theory – Charismatic Leadership – Challenges - Foundations of Organization structure - Common organizational Designs - New Design Options – Organizational Strategy, Size, Technology, Environment.

SELF STUDY: Behavioral Theories

UNIT–V (12 Hours)

ORGANIZATIONAL CULTURE, CHANGE & STRESS MANAGEMENT

Organizational culture - Meaning – Creating and sustaining culture - How employees learn culture - creating an ethical organizational culture - Spirituality and organizational culture - Organizational change and Stress Management - Approaches to Manage organizational change - Creating a Culture for Change - Work stress and its Management.

SELF STUDY: Work stress

REFERENCES :

1. Stephen P. Robbins, "Organisational Behaviour", 11th Edition, Pearson Education, 2009.
2. Uma Sekaran," Organisational Behaviour", 2nd Edition, Tata McGraw-Hill Publishing Company Ltd., New Delhi, 2010.
3. 2. Sharma, R.A," Organisational Theory and Behaviour", 2nd Edition, Tata McGraw-Hill Ltd.,New Delhi, 2007.

WEB REFERENCES:

1. https://www.tutorialspoint.com/organizational_behavior/index.htm
2. https://www.geektonight.com/organizational-behavior-tutorial/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 - INTRODUCTION				
1.1	Introductionto (OB)Organizational Behaviour, The Importance of Interpersonal Skills	1	Lecture	Black Board
1.2	Disciplines contributing to the OB Field	1	Lecture	White board
1.3	Challenges and opportunities for OB	1	Lecture	Black Board
1.4	Developing an OB Model, Diversity in Organizations	2	Lecture	Black Board
1.5	Biographical Characteristics	2	Chalk & Talk	Black Board
1.6	Ability, Implementing Diversity Management Strategies	3	Chalk & Talk	Black Board
1.7	Attitudes, Measuring Job satisfaction	1	Chalk & Talk	Black Board
1.8	Causes, Impact of Employee performance	1	Chalk & Talk	Black Board
UNIT 2 - PERSONALITY AND VALUES				
2.1	Personality, Myers-Briggs Type indicator, Big Five Personality Model, Personality Traits	2	Lecture	Black Board
2.2	Importance of Values, Generational Values Person, Job Fit	1	Chalk & Talk	Black Board
2.3	Person Organization Fit, International Values	1	Chalk & Talk	Black Board

2.4	Perception, Person Perception	2	Chalk & Talk	Black Board
2.5	Decision Making	1	Lecture	Black Board
2.6	Individual Differences	1	Lecture	Black Board
2.7	Ethics in Decision Making	3	Chalk & Talk	Black Board
2.8	Creativity in Decision Making	1	Chalk & Talk	Black Board
UNIT 3 - UNDERSTANDING WORK TEAMS				
3.1	Teams Vs Groups – Types of Teams	1	Lecture	White board
3.2	Creating Effective Teams – Turning Individuals into Team	1	Chalk & Talk	Black Board
3.3	Functions of Communication	1	Chalk & Talk	Black Board
3.4	Communication Process – Direction of communication	1	Chalk & Talk	Black Board
3.5	Interpersonal and Organizational communication	4	Chalk & Talk	Black Board
3.6	Barriers of effective communication	1	Chalk & Talk	Black Board
3.7	Current issues in Communication	3	Chalk & Talk	Black Board
UNIT 4 - LEADERSHIP & ORGANIZATIONAL STRUCTURE				
4.1	Leadership, Definition	1	Lecture	White Board
4.2	Trait Theories, Behavioural Theories	2	Chalk & Talk	Black Board
4.3	Charismatic Leadership	2	Chalk & Talk	Black Board
4.4	Challenges	1	Chalk & Talk	Black Board
4.5	The foundation of Organization structure	1	Chalk & Talk	Black Board
4.6	Common organizational Designs	2	Chalk & Talk	Black Board
4.7	New Design Options, Organizational Strategy	1	Lecture	White Board
4.8	Size, Technology, Environment	2	Chalk & Talk	Black Board

UNIT -5 ORGANIZATIONAL CULTURE, CHANGE & STRESS MANAGEMENT				
5.1	Organizational culture - Meaning	1	Lecture	PPT
5.2	Creating and sustaining culture	1	Chalk & Talk	Black Board
5.3	How employees learn culture	1	Chalk & Talk	Black Board
5.4	creating an ethical organizational culture	2	Chalk & Talk	Black Board
5.5	creating a customer responsive culture	2	Chalk & Talk	Black Board
5.6	Spirituality and organizational culture	1		
5.7	Organizational change and Stress Management	1	Chalk & Talk	Black Board
5.8	Approaches to Manage organizational change	1	Lecture	PPT
5.9	Creating a Culture for change	1	Lecture	PPT
5.10	Work stress and its Management	1	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5 *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Develop an Organisational Behaviour model for any type of Organization	K2, K4	PSO1 & PSO2
CO 2	Understand the Ethics in Decision Making	K2, K3, K4	PSO2 & PSO4
CO 3	Develop and improve the quality of Leadership	K2 , K4	PSO1 & PSO3
CO 4	Evaluate the Common biases and eradication in Decision Making Process	K2, K3,K4& K5	PSO3 & PSO4
CO 5	Understand how to manage the Stress during a job	K2,K3,K4& K5	PSO2 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	1	2	1
CO3	2	1	3	1	1
CO4	1	1	2	3	1
CO5	1	2	1	1	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

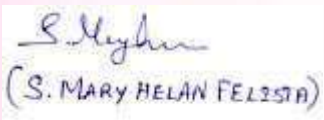
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	1	1	3	1	2
CO2	1	2	2	2	3	2	2	3	1	2	3	2
CO3	1	3	1	2	2	3	3	1	3	3	2	3
CO4	2	2	3	3	1	1	2	1	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	2	1	2

COURSE DESIGNER

S. Jebapriya

Forwarded By

HOD'S Signature & Name



GENERAL ELECTIVE - MCA

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAGE 04	E-COMMERCE	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides information on the combination of Internet with E-Commerce, options available for doing business on the Internet, features that helps to build E-Commerce web sites, marketing issues, payment options, security issues and customer service.

COURSE OBJECTIVE

- To illustrate the management's role and identify strategies involved in an e-commerce model.
- To provide a fundamental understanding of the different types and key components on business models.
- To become familiar with state of the art Electronic Model, Payment and Supply Chain Mechanisms.

UNIT – I INTRODUCTION TO ELECTRONIC COMMERCE (12 Hours)

Introduction to Electronic Commerce - What is Electronic Commerce? Benefits of Electronic Commerce - Impact of Electronic Commerce - Classification of Electronic Commerce - Application of Electronic Commerce Technologies.

SELF STUDY: Benefits of Electronic Commerce

UNIT-II ELECTRONIC COMMERCE: BUSINESS MODELS (12 Hours)

What is Business Models? - Native Content Based Models - Information Content Model - Information Exchange Model - Transplanted Content Model - Subscription Model - Advertising Model - Affiliate Model - Native Transaction Models - Digital Products Merchant Model - Web Hosting And Internet Services - Metamediary - Transplanted Transaction Models - Electronic Store Model - Brokerage Model.

SELF STUDY: Electronic Store Model

UNIT- III E-COMMERCE: NETWORK INFRASTRUCTURE (12 Hours)

Local Area Network – Topologies - Transmission Media - Wireless Transmission - Wide Area Network, Internet - TCP/IP Reference Model.

SELF STUDY: Local Area Network

UNIT - IV ELECTRONIC PAYMENT SYSTEMS (12 Hours)

Online Payment Systems - Pre-Paid Electronic Payment Systems – Ecash - Mondex – Milicent – Netbill - Post-Paid Electronic Systems – IKP – Cybercash – SET – Netcheque - First Virtual.

SELF STUDY: Milicent

UNIT - V SECURING NETWORK TRANSACTION (12 Hours)

Transaction Security - Security Services - Cryptology - Introduction to Cryptography – Cryptanalysis - Conventional Encryption Model - Public Key Cryptosystems - Comparison of Conventional and Public Key Encryption Systems - Digital Signatures - Electronic Mail Security.

SELF STUDY: Electronic Mail Security

REFERENCE BOOKS:

1. Bharat Bhaskar, "Electronic Commerce – Framework Technologies and Applications", Tata McGraw Hill 4thEdition , 2013.
2. P.T. Joseph, "Ecommerce An Indian Perspective", 6th Edition, PHI Learning Pvt. Ltd, 2019.
3. Saimunur Rahman , Introduction to E-Commerce Technology in Business, GRIN Publishing 2014.

WEB RESOURCES:

1. https://en.wikipedia.org/wiki/E-commerce
2. https://www.shopify.com/encyclopedia/what-is-ecommerce
3. https://www.tutorialspoint.com/e_commerce/e_commerce_payment_systems.htm

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION TO ELECTRONIC COMMERCE				
1.1	Introduction to Electronic Commerce	2	Chalk & Talk	Black Board
1.2	What is Electronic Commerce?	2	Chalk & Talk	Black Board
1.3	Benefits of Electronic Commerce	2	Lecture	White board
1.4	Impact of Electronic Commerce	2	Chalk & Talk	Black Board
1.5	Classification of Electronic Commerce	2	Discussion	Black Board
1.6	Application of Electronic Commerce Technologies	2	Lecture	White board
UNIT - 2 ELECTRONIC COMMERCE: BUSINESS MODELS				
2.1	What is Business Models?	1	Lecture	PPT
2.2	Native Content Based Models	1	Chalk & Talk	Black Board
2.3	Information Content Model	1	Lecture	PPT
2.4	Information Exchange Model	1	Lecture	White board
2.5	Transplanted Content Model	1	Discussion	Black Board
2.6	Subscription Model, Advertising Model	1	Chalk & Talk	Black Board
2.7	Affiliate Model, Native Transaction Models	2	Chalk & Talk	Black Board
2.8	Digital Products Merchant Model, Web Hosting and Internet Services	2	Lecture	PPT
2.9	Metamediary , Transplanted Transaction Models	1	Discussion	Black Board
2.10	Electronic Store Model, Brokerage Model	1	Chalk & Talk	Black Board
UNIT – 3 E-COMMERCE: NETWORK INFRASTRUCTURE				

3.1	Local Area Network	1	Lecture	White board
3.2	Topologies	1	Chalk & Talk	Black Board
3.3	Transmission Media	2	Lecture	PPT
3.4	Wireless Transmission	2	Lecture	White board
3.5	Wide Area Network	2	Discussion	Black Board
3.6	Internet	2	Lecture	PPT
3.7	TCP/IP Reference Model	2	Chalk & Talk	Black Board
UNIT - 4 ELECTRONIC PAYMENT SYSTEMS				
4.1	Online Payment Systems	1	Lecture	PPT
4.2	Pre-Paid Electronic Payment Systems	2	Lecture	PPT
4.3	Ecash	1	Chalk & Talk	Black Board
4.4	Mondex	1	Chalk & Talk	Black Board
4.5	Milicent	1	Discussion	Black Board
4.6	Netbill	1	Lecture	PPT
4.7	Post-Paid Electronic Systems - IKP	1	Chalk & Talk	Black Board
4.8	Cybercash	1	Lecture	PPT
4.9	Set	1	Lecture	PPT
4.10	Netcheque	1	Chalk & Talk	Black Board
4.11	First Virtual	1	Chalk & Talk	Black Board
UNIT – 5 SECURING NETWORK TRANSACTION				
5.1	Transaction Security	1	Chalk & Talk	Black Board
5.2	Security Services	1	Lecture	PPT
5.3	Cryptology	1	Lecture	PPT
5.4	Introduction to Cryptography	1	Lecture	White board
5.5	Cryptanalysis	1	Lecture	White board

5.6	Conventional Encryption Model	1	Lecture	White board
5.7	Public Key Cryptosystems	1	Lecture	White board
5.8	Comparison of Conventional and Public Key Encryption Systems	2	Chalk & Talk	Black Board
5.9	Digital Signatures	2	Chalk & Talk	Black Board
5.10	Electronic Mail Security	1	Discussion	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA

Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2*-Understand,* ***K3****-Apply,* ***K4****-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Gain a comprehensive understanding of the E-Commerce landscape, current and emerging technology and infrastructure underpinnings of the business.	K2, K4	PSO1 & PSO2
CO 2	Analyze the impact of E-commerce on business models and strategy.	K2, K3, K4	PSO3 & PSO4
CO 3	Develop an understanding on how internet can help business grow/ Describe the infrastructure for E-commerce	K2 , K4	PSO1 & PSO3
CO 4	Assess electronic payment systems	K2, K3,K4 & K5	PSO4
CO 5	Gain an understanding on the importance of security, privacy, and ethical issues as they relate to E-Commerce.	K2,K3,K4 & K5	PSO1 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	2	3	1	1
CO3	3	1	2	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	2	1	1	1	1	1	1	1	1
CO2	1	1	3	1	2	1	1	1	1	1	1	1
CO3	1	3	1	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	2	1	1	1	1	1	1
CO5	3	1	1	1	1	1	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

P. NANCY VINCENTINA MARY **HOD'S Signature & Name**

P. Nancy

S. Mary Helan Felista

GENERAL ELECTIVE

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	24MCAGE05	PROFESSIONAL ETHICS	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

The course explores the ethical responsibilities of computer professionals, addressing topics such as privacy, security, intellectual property, professional conduct, and social implications of technology.

COURSE OBJECTIVES

- To gain a foundational understanding of ethical theories and principles relevant to the field of computing.
- To recognize and analyse ethical issues and dilemmas arising in various areas of computer science and information technology.
- To learn how to apply ethical frameworks and decision-making models to resolve ethical conflicts and make morally sound choices.

UNIT IAN OVERVIEW OF ETHICS (12 Hours)

What Is Ethics? - Including Ethical Considerations in Decision Making - Develop a Problem Statement – Identify Alternatives – Evaluate and Choose an Alternative – Implement the Decision – Evaluate the Results - Ethics in Information Technology

IT Professionals –Professional Relationships – Professional Codes of Ethics – Professional Organizations – Certification – Government Licensing – IT Professional Malpractice - IT Users – Common Ethical Issues – Supporting the Ethical Practices - Compliance.

SELF STUDY : Common Ethical Issues

UNIT II COMPUTER AND INTERNET CRIME (12 Hours)

IT Security Incidents – Why Computer Incidents are so Prevalent? - Types of Exploits – Types of Perpetrators -Federal Laws for Prosecuting Computer Attacks - Implementing

Trustworthy Computing –Risk Assessment - Establishing a Security Policy- Educating Employees and Contract Workers – Prevention – Detection – Response.

SELF STUDY : Risk Assessment

UNIT III PRIVACY&FREEDOM OF EXPRESSION (12 Hours)

Privacy Protection and the Law - Information Privacy – Privacy Laws - Key Privacy and Anonymity Issues – Data Breaches – Electronic Discovery – Consumer Profiling – Workplace Monitoring – Advanced Surveillance Technology.

First Amendment Rights – Obscene Speech – Defamation - Freedom of Expression: Key Issues –Controlling Access to Information on the Internet – SLAPP – Anonymity on the Internet – Hate Speech – Pornography.

SELF STUDY : Data Breaches

UNIT IV INTELLECTUAL PROPERTY (12 Hours)

What Is Intellectual Property? - Copyrights –Eligible Works – Fair Use Doctrine – Software Copyright Protection- The prioritizing Resources – GATT – WTO – WIPO – The Digital Millennium Copyright Act - Patents –Software Patents – Cross Licensing Agreements - Trade Secrets – Trade Secret Laws – Employees and Trade Secrets - Key Intellectual Property Issues – Plagiarism – Reverse Engineering – Open-Source Code – Competitive Intelligence -Trademark Infringement – Cybersquatting.

SELF STUDY : Trade Secrets

UNIT V SOCIAL NETWORKING (12 Hours)

What Is a Social Networking Web Site? - Business Applications of Online Social Networking –Social Network Advertising – The use of Social Networks and Social Media – Social Shopping Web Sites - Social Networking Ethical Issues –Cyberbullying – Cyberstalking – Uploading of Inappropriate Material - Online Virtual Worlds – Crime in Virtual Worlds – Educational and Business uses of Virtual Worlds.

SELF STUDY : Social Networking Ethical Issues

REFERENCES:

1. George Reynolds ,"Ethics in Information Technology", 5th Edition, Cengage Learning, 2015
2. Penny Duquenoy, Simon Jones, Barry G Blundell , “Ethical, Legal and Professional Issues in Computing”, Middlesex University Press, 2008

3. George Reynolds, “Ethics in Information Technology”, 6th Edition, Thomson CourseTechnology, 2018.
4. Charles P .Pfleeger, Shari Lawrence Pfleeger, “Security in Computing”, 5thEdition,Pearson Prentice Hall, 2018.
5. Charles E Harris, Michael S Pritchard and Michael J Rabins, “Engineering Ethics – Concepts and Cases”, 6th Edition, Ray James, Elian Englehardt Wadsworth publishing co, 2013.
6. Michael J. Quinn, "Ethics for the Information Age", 6th Edition, Pearson Education Limited 2015.

WEB REFERENCES:

1. https://www.nspe.org/resources/ethics/code-ethics
2. http://www.infosectoday.com/Articles/Intro_Computer_Ethics.htm
3. http://www.tutorialspoint.com/professional_ethics/
4. https://www.toolshero.com/tag/ethical-decision-making/

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 AN OVERVIEW OF ETHICS				
1.1	What Is Ethics? - Including Ethical Considerations in Decision Making	2	Chalk & Talk	Black Board
1.2	Develop a Problem Statement – Identify Alternatives – Evaluate and Choose an Alternative	2	Chalk & Talk	Black Board
1.3	Implement the Decision – Evaluate the Results - Ethics in Information Technology	2	Lecture	White board
1.4	IT Professionals – Professional Relationships	2	Chalk & Talk	Black Board
1.5	Professional Codes of Ethics – Professional Organizations – Certification	2	Discussion	Black Board
1.6	Government Licensing – IT Professional Malpractice - IT Users – Common Ethical Issues – Supporting the Ethical Practices - Compliance	2	Lecture	PPT
UNIT - 2 COMPUTER AND INTERNET CRIME				
2.1	IT Security Incidents	1	Lecture	PPT
2.2	Why Computer Incidents are so Prevalent? - Types of Exploits	1	Chalk & Talk	Black Board
2.3	Types of Perpetrators	1	Lecture	PPT
2.4	Federal Laws for Prosecuting Computer Attacks	1	Lecture	PPT
2.5	Implementing Trustworthy Computing	1	Discussion	Black Board
2.6	Risk Assessment	1	Chalk & Talk	Black Board
2.7	Establishing a Security Policy	2	Chalk & Talk	Black Board

2.8	Educating Employees and Contract Workers	2	Lecture	PPT
2.9	Prevention – Detection	1	Discussion	Black Board
2.10	Response	1	Chalk & Talk	Black Board
UNIT – 3 PRIVACY&FREEDOM OF EXPRESSION				
3.1	Privacy Protection and the Law - Information Privacy – Privacy Laws	1	Lecture	PPT
3.2	Key Privacy and Anonymity Issues – Data Breaches – Electronic Discovery	1	Chalk & Talk	Black Board
3.3	Consumer Profiling – Workplace Monitoring – Advanced Surveillance Technology	2	Lecture	PPT
3.4	First Amendment Rights – Obscene Speech – Defamation - Freedom of Expression: Key Issues	2	Lecture	PPT
3.5	Controlling Access to Information on the Internet – SLAPP	2	Discussion	Black Board
3.6	Anonymity on the Internet	2	Lecture	PPT
3.7	Hate Speech – Pornography	2	Chalk & Talk	Black Board
UNIT - 4 INTELLECTUAL PROPERTY				
4.1	What Is Intellectual Property? - Copyrights – Eligible Works	1	Lecture	PPT
4.2	Fair Use Doctrine – Software Copyright Protection	2	Lecture	PPT
4.3	The prioritizing Resources – GATT – WTO – WIPO	1	Chalk & Talk	Black Board
4.4	The Digital Millennium Copyright Act - Patents	1	Chalk & Talk	Black Board
4.5	Software Patents – Cross Licensing Agreements - Trade Secrets	1	Discussion	Black Board
4.6	Trade Secret Laws – Employees and Trade Secrets	1	Lecture	PPT

4.7	Key Intellectual Property Issues – Plagiarism	1	Chalk & Talk	Black Board
4.8	Reverse Engineering	1	Lecture	PPT
4.9	Open-Source Code	1	Lecture	PPT
4.10	Competitive Intelligence	1	Chalk & Talk	Black Board
4.11	Trademark Infringement – Cybersquatting	1	Chalk & Talk	Black Board
UNIT – 5 SOCIAL NETWORKING				
5.1	What Is a Social Networking Web Site? - Business Applications of Online Social Networking	2	Chalk & Talk	Black Board
5.2	Social Network Advertising	2	Lecture	PPT
5.3	The use of Social Networks and Social Media	1	Lecture	PPT
5.4	Social Shopping Web Sites - Social Networking Ethical Issues	2	Lecture	White board
5.5	Cyberbullying – Cyberstalking	1	Lecture	PPT
5.6	Uploading of Inappropriate Material - Online Virtual Worlds	1	Lecture	PPT
5.7	Crime in Virtual Worlds	1	Lecture	White board
5.8	Educational and Business uses of Virtual Worlds.	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment

	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Predict the relationship between the law, ethics and computer technology	K2, K4	PSO1 & PSO3
CO 2	Outline the philosophical and ethical debates with the ideas and the nature ofcomputer and internet crime.	K2, K3, K4	PSO2 & PSO4
CO 3	Design the impact of computer technology on free speech.	K2 , K4	PSO1 & PSO3
CO 4	Formulate the ethical and legal issues of the Intellectual Property.	K2, K3,K4 & K5	PSO3 & PSO4
CO 5	Develop a personal standpoint in Social Networking Ethical Issues.	K2,K3,K4 & K5	PSO2 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	2	1	1
CO2	1	3	1	2	1
CO3	2	1	3	1	1
CO4	1	1	2	3	1
CO5	1	2	1	1	3

Mapping of C0s with POs

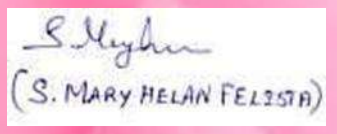
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	2	2	3	2	3	2	3
CO2	3	2	1	2	1	2	3	2	2	1	1	1
CO3	3	2	3	3	2	1	1	1	2	3	2	2
CO4	2	1	2	2	1	1	2	3	2	3	2	3
CO5	1	1	3	2	2	3	3	2	2	1	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

S. MARY HELAN FELISTA **HOD'S Signature & Name**



GENERAL ELECTIVE - MCA

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAGE06	RESOURCE MANAGEMENT TECHNIQUES	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides solution to problems in different environment that needs decision making using optimization techniques

COURSE OBJECTIVE

- To provide the concept and an understanding of basic concepts in Operations Research Techniques for Analysis and Modelling in Computer Applications.
- To understand, develop and solve mathematical model of linear programming problems.
- To understand, develop and solve mathematical model of Transport and assignment problems.
- To understand network modelling for planning and scheduling the project activities

UNIT I INTRODUCTION (12 Hours)

Operations Research – An Introduction- Features- Definition- Scientific Method- Models- Methods for solving OR Models- Methodology of OR- Advantages- Applications and Scope- LPP Model formulation – LPP Graphical Solution.

SELF STUDY: Advantages- Applications and Scope

UNIT II LINEAR PROGRAMMING PROBLEM (12 Hours)

LPP - Standard form – Definition- Reduction of Feasible solution to a basic feasible solution- Simplex algorithm (Maximization Case) - Simplex algorithm (Minimization Case).

SELF STUDY: Reduction of Feasible solution to a basic feasible solution

UNIT III TRANSPORTATION & ASSIGNMENT PROBLEM (12 Hours)

Transportation Problem – Initial Basic Feasible solution – North West Corner Method- Least Cost method- Vogel's Approximation Method- MODI Method- Unbalanced Transportation Problem. Assignment Problem – Hungarian Assignment Method

SELF STUDY: Unbalanced Transportation Problem

UNIT IV GAME THEORY **(12 Hours)**

Game Theory- Two persons zero sum game- Games with saddle point- Games without saddle point- Graphical Method- LP Method- The rule of dominance

SELF STUDY: LP Method

UNIT V PERT & CPM **(12 Hours)**

Project Management: PERT and CPM – Difference between PERT and CPM- Critical Path analysis- Problems in PERT analysis- Project , Time, Cost Trade off- Resource allocation.

SELF STUDY: Difference between PERT and CPM

REFERENCES:

1. J.K. Sharma , "Operations Research- Problems and Solutions",Macmillan Publishers India Ltd,3 rd Edition, 2009.
2. KantiSwarup,P.K.Gupta, Manmohan ,"Operations Research – Introduction to Mangement Science ", 13 th Edition, 2019.
3. S. Kalavathy ,"Operations Research",Vikas publishing house private Ltd, 4th Edition,2013.
4. R.Paneerselvam,"Operations Research", PHI learning Pvt Ltd, 2nd Edition, 2012.

WEB REFERENCES:

1. https://lecturenotes.in/subject/573/operations-research-or
2. http://www.cs.toronto.edu/~stacho/public/IEOR4004-notes1.pdf

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 -INTRODUCTION				
1.1	Operations Research – An Introduction	1	Lecture	Black Board
1.2	Features- Definition- Scientific Method-	1	Lecture	White board
1.3	Models- Methods for solving OR Models	1	Lecture	Black Board
1.4	Methodology of OR- Advantages- Applications and Scope	1	Lecture	Black Board
1.5	LPP Model formulation	4	Chalk & Talk	Black Board
1.6	LPP Graphical Solution.	4	Chalk & Talk	Black Board
UNIT 2 - LINEAR PROGRAMMING PROBLEM				
2.1	LPP - Standard form	2	Lecture	Black Board
2.2	Definition- Reduction of Feasible solution to a basic feasible solution	2	Chalk & Talk	Black Board
2.3	Simplex algorithm (Maximization Case)	4	Chalk & Talk	Black Board
2.4	Simplex algorithm (Minimization Case).	4	Chalk & Talk	Black Board
UNIT 3 –TRANSPORTATION & ASSIGNMENT PROBLEM				
3.1	Transportation Problem	1	Lecture	White board
3.2	Initial Basic Feasible solution – North West Corner Method	1	Chalk & Talk	Black Board
3.3	Least Cost method	1	Chalk & Talk	Black Board
3.4	Vogel's Approximation Method	1	Chalk & Talk	Black Board
3.5	MODI Method	4	Chalk & Talk	Black Board
3.6	Unbalanced Transportation Problem	1	Chalk & Talk	Black Board
3.7	Hungarian Assignment Method	3	Chalk & Talk	Black Board
UNIT 4 - GAME THEORY				

4.1	Game Theory- Two persons zero sum game	1	Lecture	White Board
4.2	Games with saddle point	2	Chalk & Talk	Black Board
4.3	Games without saddle point	2	Chalk & Talk	Black Board
4.4	Graphical Method	2	Chalk & Talk	Black Board
4.5	LP Method	3	Chalk & Talk	Black Board
4.6	The rule of dominance	2	Chalk & Talk	Black Board
UNIT 5 -PERT & CPM				
5.1	Project Management: PERT and CPM	1	Lecture	PPT
5.2	Difference between PERT and CPM	1	Chalk & Talk	Black Board
5.3	Critical Path analysis-	2	Chalk & Talk	Black Board
5.4	Problems in PERT analysis-	3	Chalk & Talk	Black Board
5.5	Project , Time, Cost Trade off	3	Chalk & Talk	Black Board
5.6	Resource allocation	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment

	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC	NON -	MARKS

				SCHOLASTIC			
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Identify the applications of Operations Research and methods to solve business problems	K2, K4	PSO1 & PSO2
CO 2	Apply linear programming to solve operational problem with constraints	K2, K3, K4	PSO1,PSO2 & PSO4
CO 3	Apply transportation and assignment models to find optimal solution in warehousing and Travelling,	K2 , K4	PSO2 & PSO4
CO 4	Prepare project scheduling using PERT and CPM	K2, K3,K4& K5	PSO1,PS02 & PSO3
CO 5	Use optimization concepts in real world problems	K2,K3,K4& K5	PSO1,PSO2& PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	**3**	**2**	**1**	**1**	**1**
CO2	**2**	**3**	**1**	**3**	**1**
CO3	**1**	**2**	**1**	**3**	**1**
CO4	**2**	**3**	**1**	**3**	**1**
CO5	**2**	**2**	**1**	**1**	**3**

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

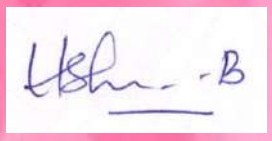
♦ Weakly Correlated -**1**

Mapping COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	1	1	1	1	1	2	1	1	1
CO2	1	1	1	3	1	1	2	1	1	1	1	1
CO3	1	1	3	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	1	1	1	1	2	1	1
CO5	3	1	1	1	2	1	1	1	1	1	1	1

COURSE DESIGNER

B. USHA



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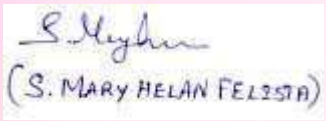


GENERAL ELECTIVE - MCA

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	20MCAGE07	ENTREPRENEURSHIP DEVELOPMENT	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides the skills necessary to succeed as an entrepreneur. It includes the fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an effective accounting system

COURSE OBJECTIVE

- Understand the need of entrepreneurial discipline.
- To let the entrepreneur set or reset the objectives of his business and work individually and along with his group.
- Analyze the environment set up relating to small industry and business.

UNIT- I ENTREPRENEUR (12 Hours)

Introduction – Evolution of the Concept of Entrepreneur – Characteristics of Successful Entrepreneurs – The Charms of Becoming an Entrepreneur – The Entrepreneurial Decision Process – Functions of Entrepreneur – Need for an Entrepreneur- Types of Entrepreneurs- Distinction between an Entrepreneur and a manager –Entrepreneur – Social Entrepreneur.

SELF STUDY: Social Entrepreneur

UNIT - II ENTREPRENEURIAL COMPETENCIES (12 Hours)

Meaning of Entrepreneurial Competency – Major Entrepreneurial Competencies – Developing Entrepreneurial Competencies - Factors Affecting Entrepreneurship Growth: Factors Affecting Entrepreneurship- Economic Factors – Non- economic Factors – Government Actions.

SELF STUDY: Government Actions.

UNIT- III WOMEN ENTREPRENEURSHIP (12 Hours)

Concept of Women Entrepreneur – Functions of Women Entrepreneurs – Growth of Women Entrepreneurship in India – Problems of Women Entrepreneurs – Developing Women Entrepreneurship.

SELF STUDY: Problems of Women Entrepreneurs

UNIT- IV **(12 Hours)**

EDP, INSTITUTIONAL FINANCE TO ENTREPRENEURS

Meaning of EDP – Need for EDPs – Objectives of EDPs – Entrepreneurship Development Programmes (EDPs) in India: A Historical Perspective – Course Contents and Curriculum of EDPs – Phases of EDP- Evaluation of EDPs – Problems of EDPs - Need for Institutional Finance – Institutional Finance- Commercial Banks – Other Financial Institutions.

SELF STUDY: Other Financial Institutions

UNIT- V **(12 Hours)**

PROJECT APPRAISAL , FORMULATION OF BUSINESS PLANS

Concept of Project Appraisal – Methods of Project Appraisal – Economic Analysis – Financial Analysis – Market Analysis – Technical Feasibility – Managerial Competence – Environmental Clearance for SMEs – Environmental Restrictions for SSI Sector – The Environmental clearance Process - Meaning of Business Plan- Contents of Business Plan – Significance of Business Plan – Formulation of Business Plan – Planning Commission's Guidelines for Formulating Project Report – Network Analysis – Business Plan Formulation.

SELF STUDY : The Environmental clearance Process

REFERENCES:

1. S S Khanka , "Entrepreneurial Development", S. Chand Publishing Revised edition ,2021
2. S Anil Kumar, S C Poornima , M K Abraham, K Jayshree, "Entrepreneurship Development" New Age International Publishers, 2021
3. Debasish Biswas,Chanchal Dey "Entrepreneurship Development in India", Routledge Focus, 2021

WEB REFERENCES:

1. https://www.tutorialspoint.com/entrepreneurship_development/entrepreneurship_development_tutorial.pdf
2. https://www.macmillanihe.com/resources/sample-chapters/9781137430359_sample.pdf

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 ENTREPRENEUR				
1.1	Introduction , Evolution of the Concept of Entrepreneur	1	Chalk & Talk	Black Board
1.2	Characteristics of Successful Entrepreneurs	2	Chalk & Talk	Black Board
1.3	The Charms of Becoming an Entrepreneur	1	Lecture	White board
1.4	The Entrepreneurial Decision Process , Functions of Entrepreneur	1	Chalk & Talk	Black Board
1.5	Need for an Entrepreneur	2	Discussion	Black Board
1.6	Types of Entrepreneurs	2	Lecture	White board
1.7	Distinction between an Entrepreneur and a manager	1	Lecture	White board
1.8	Entrepreneur , Social Entrepreneur	2	Discussion	PPT
UNIT - 2 ENTREPRENEURIAL COMPETENCIES				
2.1	Meaning of Entrepreneurial Competency	2	Lecture	PPT
2.2	Major Entrepreneurial Competencies	2	Chalk & Talk	Black Board

2.3	Developing Entrepreneurial Competencies	2	Lecture	PPT
2.4	Factors Affecting Entrepreneurship Growth, Factors Affecting Entrepreneurship	2	Lecture	White board
2.5	Economic Factors	2	Discussion	Black Board
2.6	Non- economic Factors	1	Chalk & Talk	Black Board
2.7	Government Actions	1	Chalk & Talk	Black Board
UNIT – 3 WOMEN ENTREPRENEURSHIP				
3.1	Concept of Women Entrepreneur	2	Lecture	White board
3.2	Functions of Women Entrepreneurs	2	Chalk & Talk	Black Board
3.3	Growth of Women Entrepreneurship in India	3	Lecture	PPT
3.4	Problems of Women Entrepreneurs	3	Lecture	White board
3.5	Developing Women Entrepreneurship	2	Discussion	Black Board
UNIT - 4 EDPs, INSTITUTIONAL FINANCE TO ENTREPRENEURS				
4.1	Meaning of EDP , Need for EDPs	2	Lecture	PPT
4.2	Objectives of EDPs	2	Lecture	PPT
4.3	Entrepreneurship Development Programmes (EDPs) in India: A Historical Perspective	2	Chalk & Talk	Black Board
4.4	Course Contents and Curriculum of EDPs , Phases of EDP	3	Chalk & Talk	Black Board
4.5	Evaluation of EDPs , Problems of EDPs	1	Discussion	Black Board

4.6	Need for Institutional Finance , Institutional Finance	1	Lecture	PPT
4.7	Commercial Banks , Other Financial Institutions	1	Chalk & Talk	Black Board
UNIT – 5 PROJECT APPRAISAL , FORMULATION OF BUSINESS PLANS				
5.1	Concept & Methods of Project Appraisal	1	Chalk & Talk	Black Board
5.2	Economic Analysis , Financial Analysis	1	Lecture	PPT
5.3	Market Analysis , Technical Feasibility	1	Lecture	PPT
5.4	Managerial Competence , Environmental Clearance for SMEs	1	Lecture	White board
5.5	Environmental Restrictions for SSI Sector	1	Lecture	White board
5.6	The Environmental clearance Process	1	Lecture	White board
5.7	Meaning of Business Plan, Contents of Business Plan	1	Lecture	White board
5.8	Significance of Business Plan ,Formulation of Business Plan	2	Chalk & Talk	Black Board
5.10	Planning Commission's Guidelines for Formulating Project Report	1	Discussion	Black Board
5.11	Network Analysis, Business Plan Formulation	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Highlight the salient characteristics of successful entrepreneur	K2, K4	PSO1& PSO2
CO 2	Enumerate the competencies relevant for Entrepreneurial development.	K2, K3, K4	PSO2 & PS03
CO 3	Delineate the growth of women Entrepreneurship in India.	K2 , K4	PSO1 & PS04
CO 4	Identify the major problems faced in conducting EDPs.	K2, K3,K4 & K5	PS03 & PS05
CO 5	Discuss the methods of project appraisal used for small scale enterprises.	K2,K3,K4 & K5	PS04 &PS05

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	2	1	1
CO3	2	1	1	3	1
CO4	1	1	3	1	2
CO5	1	1	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	3	1	1	1	1	1	2	1	1	1
CO2	1	2	1	1	3	1	1	1	1	1	1	1
CO3	1	3	1	1	1	2	1	1	1	1	1	1
CO4	1	1	1	2	1	1	3	1	1	1	1	1
CO5	3	1	1	1	1	1	1	1	1	2	1	1

COURSE DESIGNER

R. SMEETA MARY

Forwarded By

HOD'S Signature & Name

(S. MARY HELAN FELISTA)

I MCA

GENERAL ELECTIVE - MCA

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCAGE 08	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides the basic concepts of artificial intelligence. It will cover different strategies in various knowledge representations. It also provides the concepts of Planning, uncertainty and learning in artificial intelligence.

COURSE OBJECTIVE

- To understand the concepts of Artificial Intelligence and characteristics of intelligent agents.
- To learn the different problems solving by searching search strategies in Artificial Intelligence.
- To understand the Planning techniques, Uncertainty concept and planning strategies.

UNIT – I ARTIFICIAL INTELLIGENCE (12 Hours)

Introduction – What is AI - Acting Humanly: The Turing Test Approach - Thinking Humanly: The Cognitive Modeling Approach - Thinking Rationally: The "Laws of Thought" Approach - Acting Rationally: The Rational Agent Approach - History of AI - The Gestation of Artificial Intelligence - The Birth of Artificial Intelligence - AI Becomes An Industry - The Return of Neural Networks - The Emergence of Intelligent Agents.

SELF STUDY: The Emergence of Intelligent Agents.

UNIT - II INTELLIGENT AGENTS (12 Hours)

Agents and Environments – Good Behavior: The Concept of Rationality - Performance Measures – Rationality – Omniscience - Learning and Autonomy - The Nature Of Environments - Specifying The Task Environment.

SELF STUDY: Performance Measures.

UNIT - III SOLVING PROBLEMS BY SEARCHING (12 Hours)

Problem Solving Agents – Well Defined Problems and Solutions – Formulating Problems –Uninformed Search Strategies – Breadth First Search – Uniform Cost Search – Depth First Search – Depth Limited Search – Iterative Deepening Depth First Search.

SELF STUDY: Formulating Problems.

UNIT – IV PLANNING AND UNCERTAINTY (12 Hours)

The Planning Problem – The Language of Planning Problems - Planning With State-Space Search - Forward State-Space Search - Backward State-Space Search - Heuristics for State-Space Search – Uncertainty - Acting Under Uncertainty - Handling Uncertain Knowledge - Uncertainty and Rational Decisions - Design For A Decision-Theoretic Agent - Basic Probability Notation - Propositions - Atomic Events - Prior Probability - Conditional Probability.

SELF STUDY: Atomic Events.

UNIT - V LEARNING (12 Hours)

Forms of Learning - Inductive Learning - Learning Decision Trees - Decision Trees As Performance Elements - Expressiveness of Decision Trees - Choosing Attribute Tests - Noise and Overfitting - Broadening The Applicability of Decision Trees.

SELF STUDY: Noise and Overfitting.

REFERENCE BOOKS:

1. Stuart J.Russel, Peter Norvig, "Artificial Intelligence A Modern Approach ", 4th Edition, Pearson Education, 2021
2. Elaine Rich, Kevin Knight, "Artificial Intelligence", McGraw Hill Education Pvt Ltd., 3rdEdition, 2019.
3. Mishra Ravi Bhushan, "Artificial Intelligence", PHI learning Pvt. Ltd,2011

WEB RESOURCES:

1. http://en.wikipedia.org/wiki/Artificial_intelligence
2. http://www.cee.hw.ac.uk/~alison/ai3notes/subsection2_6_2_3.html
3. http://starbase.trincoll.edu/~ram/cpsc352/notes/heuristics.html

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 ARTIFICIAL INTELLIGENCE				
1.1	Introduction, What is AI, Acting Humanly: The Turing Test Approach	2	Chalk & Talk	Black Board
1.2	Thinking Humanly: The Cognitive Modeling Approach, Thinking Rationally: The "Laws of Thought" Approach	2	Chalk & Talk	Black Board
1.3	Acting Rationally: The Rational Agent Approach	2	Lecture	White board
1.4	History of AI, The Gestation of Artificial Intelligence	2	Chalk & Talk	Black Board
1.5	The Birth of Artificial Intelligence, AI Becomes An Industry	2	Discussion	Black Board
1.6	The Return of Neural Networks, The Emergence of Intelligent Agents.	2	Lecture	White board
UNIT 2 INTELLIGENT AGENTS				
2.1	Agents and Environments	2	Lecture	PPT
2.2	Good Behavior: The Concept of Rationality	2	Chalk & Talk	Black Board
2.3	Performance Measures	2	Lecture	White board
2.4	Rationality, Omniscience	2	Lecture	PPT
2.5	Learning and Autonomy, The Nature of Environments	2	Lecture	White board
2.6	Specifying The Task Environment.	2	Discussion	Black Board
UNIT 3 SOLVING PROBLEMS BY SEARCHING				
3.1	Problem Solving Agents	1	Lecture	White board
3.2	Well Defined Problems and Solutions	1	Chalk & Talk	Black Board

3.3	Formulating Problems	1	Lecture	PPT
3.4	Uninformed Search Strategies	1	Lecture	White board
3.5	Breadth First Search	1	Discussion	Black Board
3.6	Uniform Cost Search	2	Lecture	PPT
3.7	Depth First Search	2	Chalk & Talk	Black Board
3.8	Depth Limited Search	2	Lecture	White board
3.9	Iterative Deepening Depth First Search.	1	Chalk & Talk	Black Board
UNIT 4 PLANNING AND UNCERTAINTY				
4.1	The Planning Problem	1	Lecture	PPT
4.2	The Language of Planning Problems, Planning With State-Space Search	2	Lecture	PPT
4.3	Forward State-Space Search, Backward State-Space Search	1	Chalk & Talk	Black Board
4.4	Heuristics for State-Space Search , Uncertainty, Acting Under Uncertainty	2	Chalk & Talk	Black Board
4.5	Handling Uncertain Knowledge, Uncertainty and Rational Decisions	1	Discussion	Black Board
4.6	Design For A Decision-Theoretic Agent, Basic Probability Notation	2	Lecture	PPT
4.7	Propositions, Atomic Events	2	Chalk & Talk	Black Board
4.8	Prior Probability, Conditional Probability	1	Lecture	PPT
UNIT 5 LEARNING				
5.1	Forms of Learning, Inductive Learning	2	Chalk & Talk	Black Board
5.2	Learning Decision Trees, Decision trees as performance elements	2	Lecture	PPT

5.3	Expressiveness of decision trees	2	Lecture	PPT
5.4	Choosing attribute tests	2	Lecture	White board
5.5	Noise and overfitting	2	Lecture	White board
5.6	Broadening the applicability of decision trees	2	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2*-Understand,* ***K3****-Apply,* ***K4****-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components** **Nos**

C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Familiar with Artificial Intelligence, its foundation and principles	K2, K4	PSO1,PS02
CO 2	Explore the characteristics of intelligent agents.	K2, K3, K4	PSO2, PSO3
CO 3	Formulate Informed search strategies and implement search algorithms.	K2 , K4	PSO1, PSO3
CO 4	Analyze the logic behind planning and uncertainty.	K2, K3, K4& K5	PSO4, PSO5
CO 5	Identify the concepts of learning and decision trees.	K2,K3, K4& K5	PS03, PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	2	3	1	1
CO3	3	1	2	1	1
CO4	1	1	1	2	3
CO5	1	1	2	3	1

Mapping of COs with POs

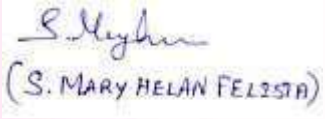
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	3	1	2	1	1	1	1	1	1	1	1
CO2	1	1	3	1	2	1	1	1	1	1	1	1
CO3	1	3	1	1	1	1	1	2	1	1	1	1
CO4	1	3	1	1	1	2	1	1	1	1	1	1
CO5	3	1	1	1	1	1	2	1	1	1	1	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

DR. R. SMEETA MARY **HOD'S Signature & Name**



GENERAL ELECTIVE - MCA

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAGE09	RESEARCH METHODOLOGY	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides an overview of various methods employed in quantitative and qualitative research.

COURSE OBJECTIVE

- Understand the basic concepts of research and its methodologies.
- Identify a research problem stated in a study.
- Prepare a conventional research report / thesis.

UNIT-I INTRODUCTION (12 Hours)

An Introduction: Meaning of research – Objective of research – Motivation in research – Types of research – Research approaches – Significance of research – Research methods versus Methodology – Research and scientific method – Importance of knowing how research is done – Research process – Criteria of good research – Problems encountered by researchers in India.

SELF STUDY: Types of research

UNIT-II DEFINING THE RESEARCH PROBLEM (12 Hours)

Defining the research problem: What is research problem? – Selecting the problem – Necessity of defining the problem - Research Design: Meaning of research design – Need for research design –Features of a good design – Important concepts relating to research design – Different research designs – Basic principles of experimental designs.

SELF STUDY: Research problem

UNIT-III MEASUREMENT AND SCALING TECHNIQUES (12 Hours)

Measurement and scaling techniques: Measurement in research – Measurement scales – Sources of error in measurement – Tests of sound measurement – Technique of developing measurement tools – scaling – Meaning of scaling – Scale classification bases- Important scaling techniques – Scale construction techniques - Methods of Data Collection: Collection of primary data – Observation method – Interview method – Collection of data through schedules – Difference between Questionnaires and schedules – Some other methods of data collection – Collection of secondary data – Selection of appropriate method for data collection – Case study method.

SELF STUDY: Case study method

UNIT-IV PROCESSING AND ANALYSIS OF DATA (12 Hours)

Processing and Analysis of Data: Processing operations – Some problems in processing – Elements/Types of Analysis- Statistics in research – Measures of central tendency – Measures of dispersion – Measures of Asymmetry – Measures of relationship – Simple regression analysis – Multiple correlation and regression – Partial correlation – Association in case of attributes.

SELF STUDY: Statistics in research

UNIT-V TESTING OF HYPOTHESES (12 Hours)

What is a Hypothesis? – Basic concepts concerning testing of Hypotheses - Procedure for Hypothesis testing – Measuring the power of a Hypothesis testing – Tests of Hypotheses-Important parametric tests – Hypothesis testing of means – Hypothesis testing for differences between means - Interpretation and report writing: Meaning of interpretation – Why interpretation? – Technique of interpretation – Precaution in interpretation – Significance of report writing – Different steps in writing report – Layout of the research report – Types of reports – Oral Presentation – Mechanics of writing a research report – Precautions for writing research reports.

SELF STUDY: Types of reports

REFERENCES:

1. Kothari, C.R (2013), "Research Methodology – Methods and Techniques", 2ND Edition. Wiley Eastern Limited
2. R. Panneerselvam,"Research Methodology", 4th Edition. Prentice Hall India Learning Private Limited, 2014
3. Ranjit Kumar, "Research Methodology – A step- by-step guide for beginners", 3rd Edition. Pearson Education, 2011
4. Deepak Chawla and NeenaSondh , "Research Methodology, Concepts and Cases", VikasPublishingHousePvt. Ltd., 2011

WEB REFERENCES:

1. https://edutechwiki.unige.ch/en/Research_methodology_resources
2. https://csus.libguides.com/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION				
1.1	Introduction	1	Lecture	PPT
1.2	Meaning of research	1	Lecture	PPT
1.3	Objective of research	1	Lecture	PPT
1.4	Motivation in research	1	Lecture	PPT
1.5	Types of research	1	Lecture	PPT
1.6	Research approaches	1	Lecture	PPT
1.7	Significance of research	1	Lecture	PPT

1.8	Research methods versus Methodology	1	Chalk & Talk	Black Board
1.9	Importance of knowing how research is done	1	Chalk & Talk	Black Board
1.10	Research process	1	Lecture	White board
1.11	Criteria of good research	1	Chalk & Talk	Black Board
1.12	Problems encountered by researchers in India	1	Lecture	White board
UNIT-2 DEFINING THE RESEARCH PROBLEM				
2.1	Defining the research problem	1	Lecture	PPT
2.2	What is research problem?	2	Chalk & Talk	Black Board
2.3	Selecting the problem	2	Lecture	PPT
2.4	Necessity of defining the problem.	2	Lecture	White board
2.5	Research Design: Meaning of research design, Need for research design	1	Discussion	Black Board
2.6	Features of a good design, Important concepts relating to research design	1	Chalk & Talk	Black Board
2.7	Different research designs	1	Chalk & Talk	Black Board
2.8	Basic principles of experimental designs	2	Lecture	PPT

UNIT–3 MEASUREMENT AND SCALING TECHNIQUES				
3.1	Measurement and scaling techniques: Measurement in research – Measurement scales – Sources of error in measurement	1	Lecture	White board
3.2	Tests of sound measurement – Technique of developing measurement tools	1	Chalk & Talk	Black Board
3.3	Scaling – Meaning of scaling – Scale classification bases	1	Lecture	PPT
3.4	Important scaling techniques – Scale construction techniques	2	Lecture	White board
3.5	Methods of Data Collection: Collection of primary data – Observation method	1	Discussion	Black Board
3.6	Interview method – Collection of data through schedules	2	Lecture	PPT
3.7	Difference between Questionnaires and schedules – Some other methods of data collection	1	Chalk & Talk	Black Board
3.8	Collection of secondary data – Selection of appropriate method for data collection	1	Chalk & Talk	Black Board
3.9	Case study method	2	Chalk & Talk	Black Board

UNIT-4 PROCESSING AND ANALYSIS OF DATA				
4.1	Processing and Analysis of Data: Processing operations – Some problems in processing	2	Lecture	PPT
4.2	Elements/Types of Analysis- Statistics in research	2	Lecture	White board
4.3	Measures of central tendency – Measures of dispersion	2	Discussion	Black Board
4.4	Measures of Asymmetry – Measures of relationship	2	Chalk & Talk	Black Board
4.5	Simple regression analysis – Multiple correlation and regression	2	Discussion	Black Board
4.6	Partial correlation – Association in case of attributes	2	Lecture	PPT
UNIT–5 TESTING OF HYPOTHESES				
5.1	What is a Hypothesis? – Basic concepts concerning testing of Hypotheses - Procedure for Hypothesis testing	2	Chalk & Talk	Black Board
5.2	Measuring the power of a Hypothesis testing – Tests of Hypotheses- Important parametric tests	2	Lecture	PPT
5.3	Hypothesis testing of means – Hypothesis testing for differences between means	2	Lecture	PPT

5.4	Interpretation and report writing: Meaning of interpretation – Why interpretation? – Technique of interpretation	2	Lecture	White board
5.5	Precaution in interpretation – Significance of report writing – Different steps in writing report	2	Lecture	White board
5.6	Layout of the research report – Types of reports – Oral Presentation	1	Lecture	White board
5.7	Mechanics & Precautions for writing research reports	1	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Predict the different stages of research process.	K2, K4	PSO4
CO 2	Apply methods to collect best data.	K2, K3, K4	PSO1 & PSO2
CO 3	Assess the suitable research design & work.	K2 , K4	PSO4 & PSO3
CO 4	Compare categorical and continuous measures.	K2, K3,K4 & K5	PSO3
CO 5	Analyze the process of various reports writing.	K2,K3,K4 & K5	PSO3 & PSO4

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	3	1
CO2	3	2	1	1	1
CO3	1	1	2	3	1
CO4	3	1	3	1	1
CO5	1	1	3	2	1

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	2	1	2	1	2
CO2	1	2	3	2	3	2	2	3	1	2	1	2
CO3	1	3	1	2	2	3	3	1	3	3	2	3
CO4	2	2	3	3	1	1	2	2	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	2	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER:

P.NANCY VINCENTINA MARY

P. Nancy

Forwarded By

HOD'S Signature & Name

S. Mary Helan Felista

GENERAL ELECTIVE - MCA

(For those who joined in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAGE10	DIGITAL IMAGE PROCESSING	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides an introduction to the basic concepts, methodologies and algorithms of digital image processing focusing image enhancement, image analysis and object recognition.

COURSE OBJECTIVES

- To study the image fundamental principles and mathematical transforms necessary for image processing.
- To learn the image enhancement, restoration techniques used in digital image processing.
- To understand about color images and compression techniques

UNIT- I INTRODUCTION AND DIP FUNDAMENTALS (12 Hours)

DIP Definition - Origin of DIP- Fundamental steps in DIP - Elements of Visual Perception- Image sampling and Quantization

SELF STUDY: Some basic Relationships between pixels

UNIT- II (12 Hours)

INTENSITY TRANSFORMATION AND SPATIAL FILTERING

Background- Smoothening spatial filters- Sharpening spatial filters.

SELF STUDY: basic intensity transformation

UNIT- III IMAGE RESTORATION AND RECONSTRUCTION (12 Hours)

Model - Restoration in the process of noise only Spatial filtering - mean filters- Order statistic filters- Adaptive filters – Periodic noise reduction by Frequency domain filtering- Band Reject filters - Band pass filter - Notch Filter- Optimum Notch Filtering.

SELF STUDY :Noise Models

UNIT- IV COLOR IMAGE PROCESSING (12 Hours)

Color Fundamentals - Color Models – Pseudo color image processing- Basis of full color image processing- Color Transformations - Smoothing and Sharpening Image segmentation based on Color - Noise in color images - Color image compression.

SELF STUDY:Color components

UNIT- V IMAGE COMPRESSION (12 Hours)

Huffmann Coding- LZW coding- Run Length coding- Digital Image Watermarking.

SELF STUDY:Arithmetic Coding.

REFERENCES:

1. Rafael C. Gonzalez, Richard E.,"Digital Image Processing", 3rd Edition- Woods Pearson India Education Pvt. Ltd.- 2016
2. Sandipan Dey, "Image Processing with Python", Ingram short title, 2018
3. Andreas Maier, Stefan Steidl, Vincent Christlein, Joachim Hornegger, "Medical Image Systems", Springer, 1st Edition, 2018

WEB REFERENCES:

1. https://imagej.net/Welcome
2. https://imagej.nih.gov/ij/docs/examples/index.html

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 Introduction and DIP Fundamentals				
1.1	DIP Definition - Origin of DIP	2	Chalk & Talk	Black Board
1.2	Fundamental steps in DIP	2	Chalk & Talk	LCD
1.3	Elements of Visual Perception	4	Lecture	PPT & White board
1.4	Image sampling and Quantization	2	Lecture	Smart Board
1.5	Some basic Relationships between pixels	2	Lecture	Black Board
UNIT –2 Intensity Transformation and spatial filtering				
2.1	Background	2	Chalk & Talk	Black Board
2.2	some basic intensity transformation Functions	2	Chalk & Talk	LCD
2.3	Smoothening spatial filters	4	Lecture	PPT & White board
2.4	Sharpening spatial filters	1	Lecture	Smart Board
2.8	Cell Fundamentals – Frequency Reuse	1	Discussion	Black Board
2.9	Signal to Interference Ratio Calculation.	2	Lecture	Black Board
UNIT –3 Image Restoration and Reconstruction				
3.1	Model – Noise Models	1	Chalk & Talk	Black Board

3.2	Restoration in the process of noise only Spatial filtering	1	Chalk & Talk	LCD
3.3	mean filters- Order statistic filters	4	Lecture	PPT & White board
3.4	Adaptive filters	1	Lecture	Smart Board
3.5	Periodic noise reduction by Frequency domain filtering	1	Lecture	Black Board
3.6	Band Reject filters - Band pass filter	1	Discussion	Google classroom
3.7	Notch Filter	2	Specimen	Microscope
3.8	Optimum Notch Filtering	1	Discussion	Black Board
UNIT –4 Color Image Processing				
4.1	Color Fundamentals	1	Chalk & Talk	Black Board
4.2	Color Models	1	Chalk & Talk	LCD
4.3	Pseudo color image processing	4	Lecture	PPT & White board
4.4	Basis of full color image processing	1	Lecture	Smart Board
4.5	Color Transformations	1	Lecture	Black Board
4.6	Smoothing and Sharpening Image segmentation based on ColorCellular Systems	1	Discussion	Google classroom
4.7	Noise in color images	2	Specimen	Microscope
4.8	Color image compression.	1	Discussion	Black Board
UNIT –5 Image Compression				
5.1	Huffmann Coding	2	Chalk & Talk	Black Board

5.2	Arithmetic Coding	2	Chalk & Talk	LCD
5.3	LZW coding	4	Lecture	PPT & White board
5.4	Run Length coding	2	Lecture	Smart Board
5.5	Digital Image Watermarking.	2	Lecture	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	To review the fundamental concepts of a digital image processing system.	K2, K4	PSO1 & PSO2
CO 2	To examine various types of images, their intensity transformations and spatial filtering.	K2, K3, K4	PSO1 & PSO3
CO 3	To analyze the different types of noises and the filters used to restore and reconstruct the images.	K2 , K4	PSO3 & PSO4
CO 4	To create color images and pseudo images with smoothening and sharpening techniques.	K2, K3,K4 & K5	PSO2 & PSO4
CO 5	To compare the various lossy and lossless compression mechanisms.	K2,K3,K4 & K5	PSO1 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	3	1	2	1	1
CO3	1	1	3	2	1
CO4	1	3	1	2	1
CO5	3	1	1	1	2

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	2	2	2	2	2	1	1	1	2
CO2	2	2	1	2	2	2	2	2	2	2	1	2
CO3	2	2	2	3	2	2	2	2	1	2	1	2
CO4	2	2	2	3	1	3	2	3	1	2	2	2
CO5	3	2	3	3	2	3	3	3	3	3	3	3

COURSE DESIGNER

S. SELVARANI

Name

Forwarded By

HOD'S Signature &

S. Mythili

(S. MARY HELAN FELISTA)

GENERAL ELECTIVE

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	24MCAGE11	INTEGRATED WEB DEVELOPMENT	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course gives an Overview on complete designing of both websites and applications where the developers need to work from frontend to backend development.

COURSE OBJECTIVES

- To learn the core concepts of both the frontend and backend programming course. ·
- To get familiar with the latest web development technologies.
- Learn all about SQL and NOSQL databases
- Learn complete web development process

UNIT – I BOOTSTRAP **(12 Hours)**

Introduction to Bootstrap - Bootstrap Basics - Bootstrap Grids - Bootstrap Themes - Bootstrap CSS - Bootstrap JS.

SELF STUDY: Themes

UNIT - II ANGULAR **(12 Hours)**

Introduction - Building Blocks – Modules – Components – Templates – Metadata – Data Binding – Directives – Services – Dependency Injection

SELF STUDY: Directives

UNIT – III REACT JS **(12 Hours)**

Introduction -Templating using JSX - Components, State and Props - Lifecycle of Components – Hooks.

SELF STUDY: Hooks

UNIT – IV NODEJS **(12 Hours)**

Introduction – Modules – HTTP Module – File System – URL Module – NPM – Events – Upload Files - Email

SELF STUDY: Email

UNIT – V MONGO DB **(12 Hours)**

Create Database - Create Collection – Insert – Find – Query – Sort – Delete – Drop Collection -Update – Limit - Join

SELF STUDY: Limit

REFERENCES:

1. Alex Banks, Eve Porcello, "Learning React: Functional Web Development with React and Redux", O'Reilly Media, 1 edition, 2017.
2. Chandermani Arora, "Angular 6 by Example, Packt Publishing Limited, 3rd edition, 2018.
3. Basarat Syed, "Beginning Node.js", Apress, 1st edition, 2014.

WEB REFERENCES:

1. *https://nodejs.org/*
2. *https://angular.io/docs*
3. *https://reactjs.org/*

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1 BOOTSTRAP				
1.1	Introduction	2	PPT	LCD
1.2	Bootstrap Basics	2	PPT	LCD

1.3	Bootstrap Basics	2	Flipped Classroom	LMS tool - and LCD
1.4	Bootstrap Themes	2	PPT	LCD
1.5	Bootstrap CSS	2	Group Discussion	White Board
1.6	Bootstrap JS	2	Flipped Classroom	LCD
UNIT 2 ANGULAR				
2.1	Introduction	1	Flipped Classroom	LCD
2.2	Building Blocks	1	Lecture	White Board
2.3	Modules	1	PPT	White Board
2.4	Components	1	Flipped Classroom	LMS tool – and LCD
2.5	Templates – Metadata	2	PPT	CD
2.6	Data Binding	2	PPT	LCD
2.7	Directives – Services	2	Self Study	Presentation using PPT
2.8	Dependency Injection	2	PPT	LCD
UNIT 3 REACT JS				
3.1	Introduction	2	Flipped Classroom	LCD
3.2	Templating using JSX	2	PPT	White Board
3.3	Components, State and Props	3	PPT	LCD
3.4	Lifecycle of Components	2	PPT	LCD
3.5	Hooks	3	Chalk and Talk	Blackboard
UNIT 4 NODE JS				
4.1	Introduction	2	Chalk and Talk	Blackboard
4.2	Modules	2	Chalk and Talk	Blackboard
4.3	HTTP Module	2	Chalk and Talk	Blackboard
4.4	File System	2	Flipped Classroom	LCD

4.5	URL Module	2	PPT	LCD
4.6	NPM – Events – Upload Files - Email	2	PPT	LCD
UNIT 5 MONGO DB				
5.1	Create Database	2	Flipped Classroom	LCD
5.2	Create Collection	1	Flipped Classroom	LCD
5.3	Insert – Find	2	Lecture	PPT
5.4	Query	1	PPT	White Board
5.5	Sort	2	Demonstration	LCD
5.6	Delete	1	PPT	White Board
5.7	Drop Collection	2	Demonstration	LCD
5.8	Update – Limit - Join	1	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
10	**15**	**10**	**10**	**5**	**50**	**50**	**100**

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Utilize the conceptual and practical aspects of Bootstrap	K2, K4	PSO1& PSO2
CO 2	Design websites using various Angular features including directives, components and services	K2, K3, K4	PSO2& PSO3
CO 3	Analyze React Components, the building blocks and its interaction with other web applications	K2 , K4	PSO3&PSO4
CO 4	Compute and build applications using Node.JS	K2, K3,K4 & K5	PSO1&PSO4
CO5	Apply the concepts of MongoDB, the back-end databases	K2,K3,K4 & K5	PSO4&PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	3	1	1
CO2	1	2	3	1	1
CO3	3	1	1	1	1
CO4	1	1	1	3	2
CO5	1	1	3	2	1

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of C0s with Pos

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	3	3	1	1	3	1	2
CO2	1	2	2	2	3	2	2	3	1	2	2	2
CO3	1	3	1	2	2	3	3	1	3	3	2	1
CO4	2	2	3	1	1	1	2	1	2	2	2	2
CO5	1	2	3	1	1	3	2	2	2	1	1	2

COURSE DESIGNER:

R.SMEETA MARY

Name

Forwarded By

HOD'S Signature &

(S. MARY HELAN FELISTA)

GENERAL ELECTIVE - MCA

(For those who join in 2020 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	20MCAGE12	AGILE SOFTWARE ENGINEERING	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides an immersive experience in the technical, cultural and social aspects of Agile and DevOps.

COURSE OBJECTIVE

- To learn the software development process using agile.
- To comprehend the quality and risk management in software development.
- To understand the integration between development and operations in software project development.

UNIT I **(12 Hours)**

MODERNIZING PROJECT MANAGEMENT

Project management needed a make over – Introducing Agile Project Management

APPLYING AGILE MANIFESTOS & PRINCIPLES

Understanding the Agile Manifesto - Outlining the four values of Agile manifesto- Defining the 12 Agile principles

AGILE BENEFITS

AGILE APPROACHES:

Overview of lean- Overview of scrum - Overview of Extreme programming.

SELF STUDY : Agile Benefits

UNIT II **(12 Hours)**

AGILE PLANNING AND EXECUTION:

Agile planning – Defining the product vision – Creating a product road map – completing the product backlog.

PLANNING RELEASES AND SPRINTS:

Refining requirements and estimates – Release planning – Sprint planning.

SHOWCASING WORK, INSPECTING AND ADAPTING:

The Sprint review – The sprint retrospective – Preparing for release.

SELF STUDY: Sprint planning

UNIT III **(12 Hours)**

MANAGING SCOPE AND PROCUREMENT

Managing Agile scope - Managing Agile procurement

MANAGING TIME AND COST

Managing Agile schedule – Managing Agile budgets

MANAGING AGILE TEAM DYNAMICS& COMMUNICATION

Managing Agile Team Dynamics **-** Managing Agile communication – Managing Agile quality – Managing Agile risk.

SELF STUDY: Managing Agile communication

UNIT IV FUNDAMENTALS OF DEVOPS **(12 Hours)**

The Definition of DevOps – What DevOps is not - Introduction – Traditional Project Setting – Agile Project Setting – Blame Game: Dev vs. Ops – Operations as Bottleneck - DevOps to Rescue – The Essence of DevOps

SELF STUDY: Agile Project Setting

UNIT V **(12 Hours)**

BUILDING BLOCKS OF DEVOPS

Measurement and Metrics – Improving flow of features – Improve And Accelerate Delivery - **QUALITY AND TESTING -** What is Quality – Pattern for Improving Quality.

SELF STUDY: Improving flow of features

REFERENCES :

1. Mark C.Layton , Steven J.Ostermiller , “Agile Project Management”, Wiley Publication, II edition ,2018
2. Machael Huttermann, “DevOps for developers”, Apress publication, 2012
3. Joseph joyner, “DevOps for Beginners” Speedy publishing LLC, 2015
4. Robert Martin, “Agile software development, Principles patterns and practices” person new international edition, 2013
5. Greene Jennifer, “Learning Agile” Orielly series, I edition 2014

WEB REFERENCES:

1. https://martinfowler.com/agile.html
2. https://refactoring.com/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 AGILE APPROACHES AND AGILE BEHAVIOURS				
1.1	Modernizing Project Management	2	Lecture	PPT
1.2	Introduction	2	Lecture	PPT
1.3	Applying the Agile Manifesto and Principles- Values	2	Lecture	PPT
1.4	Principles - Agile Benefits	2	Lecture	PPT
1.5	Overview of lean- Overview of scrum	2	Lecture	PPT
1.6	Overview of Extreme programming.	2	Lecture	PPT
UNIT 2 - AGILE PLANNING AND EXECUTION				
2.1	Agile planning – Defining the product vision	1	Lecture	PPT
2.2	Creating a product road map	2	Chalk & Talk	Black Board
2.3	completing the product backlog.	2	Lecture	PPT
2.4	Refining requirements and estimates	2	Lecture	White board
2.5	Release planning – Sprint planning.	1	Discussion	Black Board
2.6	The Sprint review – The sprint retrospective	2	Chalk & Talk	Black Board
2.7	Preparing for release.	2	Chalk & Talk	Black Board
UNIT 3 - AGILE MANAGEMENT				
3.1	Managing scope and procurement	2	Lecture	White board

3.2	Managing Agile scope - Managing Agile procurement	2	Chalk & Talk	Black Board
3.3	Managing time and cost – Managing Agile schedule	2	Lecture	PPT
3.4	Managing Agile budgets – Managing Agile team dynamics	2	Lecture	White board
3.5	Managing Agile communication	2	Discussion	Black Board
3.6	Managing Agile quality – Managing Agile risk.	2	Lecture	PPT
UNIT 4 - FUNDAMENTALS OF DEVOPS				
4.1	The Definition of DevOps – What DevOps is not	2	Lecture	PPT
4.2	Introduction – Traditional Project Setting	2	Discussion	Black Board
4.3	Agile Project Setting – Blame Game	2	Lecture	PPT
4.4	Dev vs. Ops – Operations as Bottleneck	2	Lecture	PPT
4.5	DevOps to Rescue	2	Discussion	Black Board
4.6	The Essence of DevOps	2	Lecture	PPT
UNIT 5 - BUILDING BLOCKS OF DEVOPS				
5.1	Building Blocks Of Devop	2	Discussion	Black Board
5.2	Measurement and Metrics	2	Lecture	PPT
5.3	Improving flow of features	2	Lecture	PPT
5.4	Improve And Accelerate Delivery	2	Lecture	PPT
5.5	Quality And Testing	2	Lecture	PPT
5.6	What is Quality – Pattern for Improving Quality	2	Lecture	PPT

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse,* ***K5** – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Explain the fundamental principles and practices of the agile development methods.	K2, K4	PSO1& PSO2
CO 2	Analyze the planning and execution of the agile manifesto	K2, K3, K4	PSO2 &PSO3
CO 3	Monitor the management to achieve complete product development.	K2 , K4	PSO3 & PSO4
CO 4	Practice the integration of development and operations in software projects.	K2, K3,K4& K5	PSO3 & PSO4
CO 5	Present the software project by following the principles that best fit the technical and market demands.	K2,K3,K4& K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	1	2	3	1	1
CO3	1	1	2	2	1
CO4	1	1	3	2	1
CO5	1	1	1	2	3

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	1	2	2	2	2	2	2	1	2	2
CO2	1	2	2	2	2	2	2	2	2	2	2	2
CO3	2	2	3	3	2	3	2	2	3	2	2	2
CO4	2	2	2	3	2	3	2	3	2	2	2	2
CO5	3	3	3	3	3	3	3	3	3	3	3	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S.MARY HELAN FELISTA

S. Mary Helan Felista

Forwarded By

HOD'S Signature & Name

S. Mary Helan Felista

GENERAL ELECTIVE - MCA

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23MCAGE13	INTERNET & WEB DESIGNING	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides the student with foundational programming knowledge and skills for application development on the Internet.

COURSE OBJECTIVES

- To make the students familiar with client server architecture and able to develop web applications using PHP.
- To plan, design, construct, and integrate basic server-side components of modern web applications including databases and scripts.
- To impart the skills and project-based experience needed for entry into web application and development careers.

UNIT – I JAVASCRIPT **(12 Hours)**

Introducing JavaScript – The basics of JavaScript – Controlling program flow – Working with functions - Advanced JavaScript Coding – Document Object Model – Finding your Elements - Document Object Model form data.

SELF-STUDY: Finding your Elements.

UNIT- II JQUERY **(12 Hours)**

Using jQuery – Loading the jQuery library – Functions – Finding elements – Replacing data – Changing styles – Changing the Document Object Model - Reacting to events with JavaScript and jQuery – Understanding events – Focusing on JavaScript and events - Looking jQuery and events.

SELF STUDY: Changing styles.

UNIT – III INTRODUCING PHP **(12 Hours)**

Understanding PHP Basics – Benefits – Variable – Operators - Including files - PHP Flow Control – Looping - Building own functions – Event driven PHP.

SELF STUDY: Benefits.

UNIT – IV PHP LIBRARIES **(12 Hours)**

PHP Libraries – Text Functions – Math Functions – Date and time functions

Sessions and carts – Storing Persistent Data – PHP and cookies – PHP and Sessions

SELF STUDY: Math Functions.

UNIT – V INTRODUCING MYSQL **(12 Hours)**

Designing and building a database – Creating databases – Building tables - Using the database – Working with data – Searching for data - Communicating with the database from PHP Scripts – Database support in PHP – Using mysql library.

SELF STUDY: Miscellaneous functions.

REFERENCES:

1. Richard Blum, "PHP, MySQL & JavaScript All-in-One For Dummies", John Wiley & Sons, 2018
2. Alan Forbes, "The Joy of PHP",BeakCheck LLC; 6th Edition, 2020.
3. Robin Nixon, "PHP, MYSQL, JavaScript & CSS",5th Edition, O'Reilly, 2020
4. Chris Minnick, Eva Holland, "HTML, CSS, & JavaScript for Dummies", John Wiley & Sons,2018

WEB REFERENCES:

1. https://www.w3schools.com/html/html5_intro.asp
2. https://www.w3schools.com/php/default.asp
3. https://en.wikiversity.org/wiki/Computer_architecture_and_organization

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 JAVASCRIPT				
1.1	Introducing JavaScript	1	Chalk & Talk	Black Board
1.2	The basics of JavaScript	2	Chalk & Talk	LCD
1.3	Controlling program flow	2	Lecture	PPT & White board
1.4	Working with functions	2	Chalk & Talk	Smart Board
1.5	Advanced JavaScript Coding	1	Discussion	Black Board
1.6	Document Object Model	1	Lecture	Google classroom
1.7	Finding your Elements	1	Lecture	PPT & White board
1.8	Document Object Model form data	2	Lecture	Google classroom
UNIT - 2 JQUERY				
2.1	Using jQuery	1	Lecture	PPT
2.2	Loading the jQuery library, Functions	2	Chalk & Talk	PPT
2.3	Finding elements, Replacing data	2	Lecture	Smart Board
2.4	Changing styles, Reacting to events with JavaScript and jQuery	1	Lecture	Black Board
2.5	Understanding events	2	Discussion	Google classroom
2.6	Focusing on JavaScript and events	2	Lecture	Black Board
2.7	Looking jQuery and events	2	Chalk & Talk	PPT
UNIT – 3 INTRODUCING PHP				
3.1	Understanding PHP Basics, Benefits	2	Chalk & Talk	Black Board
3.2	Variable, Operators	2	Chalk & Talk	LCD
3.3	Including files	2	Lecture	PPT & White board
3.4	PHP Flow Control, Looping	2	Lecture	Smart Board
3.5	Building own functions	2	Lecture	Black Board

3.6	Event driven PHP	2	Discussion	Google classroom
UNIT - 4 PHP LIBRARIES				
4.1	PHP Libraries, Text Functions	2	Chalk & Talk	Black Board
4.2	Math Functions	2	Chalk & Talk	LCD
4.3	Date and time functions	2	Lecture	PPT&White board
4.4	Sessions and carts	2	Lecture	Smart Board
4.5	Storing Persistent Data	2	Lecture	Black Board
4.6	PHP and cookies, PHP and Sessions	2	Discussion	Google classroom
UNIT – 5 INTRODUCING MYSQL				
5.1	Designing and building a database	2	Chalk & Talk	Black Board
5.2	Creating databases, Building tables	2	Chalk & Talk	LCD
5.3	Using the database, Working with data	2	Lecture	PPT &White board
5.4	Searching for data	2	Lecture	Smart Board
5.5	Communicating with the database from PHP Scripts, Database support in PHP	2	Lecture	Black Board
5.6	Using mysqli library	2	Discussion	Google classroom

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

CIA	
Scholastic	45
Non Scholastic	5
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Use knowledge of JavaScript to create personal and/or business websites	K2, K4	PSO1 & PSO2
CO 2	Create effective scripts using jQuery to enhance the end user experience.	K2, K3, K4	PSO1 & PSO2
CO 3	Write PHP scripts to handle HTML forms.	K2 , K4	PSO1 & PSO3
CO 4	Use PHP built-in functions and custom functions for processing.	K2, K3,K4 & K5	PSO1 & PSO3
CO 5	Test, debug, and deploy web pages containing PHP and MySQL.	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	2	1	1	1
CO3	2	1	2	1	1
CO4	2	1	3	1	1
CO5	1	1	1	2	3

Mapping of C0s with POs

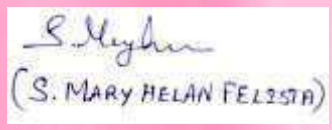
CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	1	2	3	1	2	1	2
CO2	3	2	2	1	1	1	2	3	1	2	1	2
CO3	3	2	3	2	2	2	2	3	2	2	1	3
CO4	3	3	3	2	3	3	2	3	3	2	1	3
CO5	3	3	3	3	3	2	2	3	2	2	3	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER

S. MARY HELAN FELISTA



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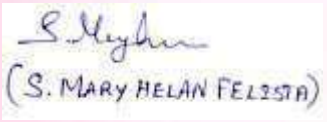


GENERAL ELECTIVE - MCA

(For those who join in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	23MCAGE14	FOUNDATION OF DATA SCIENCE	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides basic knowledge about Data Science to succeed as a Data Analyst. It includes the fundamentals of modeling methods to model data and provides basic introduction to R Language & Probability distribution.

COURSE OBJECTIVE

- To understand the data science fundamentals and process.
- To learn to describe the data for the data science process.
- To learn to describe the relationship between data using modelling methods.
- To utilize the R Language in Data Handling.

UNIT- I INTRODUCTION TO DATA SCIENCE (12 Hours)

Data science process – roles, stages in data science project – working with data from files – working with relational databases – exploring data – managing data – cleaning and sampling for modeling and validation – introduction to NoSQL.

SELF STUDY:working with data from files

UNIT- II MODELING METHODS (12 Hours)

Choosing and evaluating models – mapping problems to machine learning, evaluating clustering models, validating models – cluster analysis – K-means algorithm, Naïve Bayes – Memorization Methods – Linear and logistic regression – unsupervised methods.

SELF STUDY:cluster analysis

UNIT- III INTRODUCTION TO R LANGUAGE (12 Hours)

Reading and getting data into R – ordered and unordered factors – arrays and matrices – lists and data frames – reading data from files.

SELF STUDY: List

UNIT- IV PROBABILITY DISTRIBUTIONS (12 Hours)

Statistical models in R - Binomial, Poisson, Normal distributions – Manipulating objects – data distribution.

SELF STUDY: Normaldistributions

UNIT- V DELIVERING RESULTS (12 Hours)

Documentation and deployment – producing effective presentations– Introduction to graphical analysis – plot() function – displaying multivariate data – matrix plots – multiple plots in one window - exporting graph - using graphics parameters-Case studies.

SELF STUDY: Case studies

REFERENCES:

1. David Cielen, Arno D. B. Meysman, and Mohamed Ali, "Introducing Data Science", Manning Publications, 2016.
2. Robert S. Witte and John S. Witte, "Statistics", Eleventh Edition, Wiley Publications, 2017.
3. Jake VanderPlas, "Python Data Science Handbook", O'Reilly, 2016.

WEB REFERENCES:

1. file:///C:/Users/91984/Downloads/R_Notes.pdf
2. https://www.notesforgeeks.in/2023/01/cs3352-syllabus-foundations-of-data-science-2021-regulation-anna-university.html

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION TO DATA SCIENCE				
1.1	Data science process	2	Chalk & Talk	Black Board
1.2	roles, stages in data science project	2	Chalk & Talk	Black Board
1.3	working with data from files – working with relational databases	2	Lecture	White board
1.4	exploring data – managing data	2	Chalk & Talk	Black Board
1.5	cleaning and sampling for modeling and validation	2	Discussion	Black Board
1.6	introduction to NoSQL	2	Lecture	White board
UNIT - 2 MODELING METHODS				
2.1	Choosing and evaluating models	2	Lecture	PPT
2.2	mapping problems to machine learning	2	Chalk & Talk	Black Board
2.3	evaluating clustering models, validating models	2	Lecture	PPT
2.4	cluster analysis – K-means algorithm	2	Lecture	White board
2.5	Naïve Bayes – Memorization Methods	2	Discussion	Black Board
2.6	Linear and logistic regression – unsupervised methods.	2	Chalk & Talk	Black Board
UNIT – 3 INTRODUCTION TO R LANGUAGE				
3.1	Reading and getting data into R	2	Lecture	White board
3.2	ordered and unordered factors	2	Chalk & Talk	Black Board

3.3	arrays and matrices	3	Lecture	PPT
3.4	lists and data frames	3	Lecture	White board
3.5	reading data from files	2	Discussion	Black Board
UNIT - 4 PROBABILITY DISTRIBUTIONS				
4.1	Statistical models in R	3	Lecture	PPT
4.2	Binomial, Poisson, Normal distributions	3	Lecture	PPT
4.3	Manipulating objects	3	Chalk & Talk	Black Board
4.4	data distribution	3	Chalk & Talk	Black Board
UNIT – 5 DELIVERING RESULTS				
5.1	Documentation and deployment	2	Chalk & Talk	Black Board
5.2	producing effective presentations	2	Lecture	PPT
5.3	Introduction to graphical analysis	2	Lecture	PPT
5.4	plot() function – displaying multivariate data	2	Lecture	White board
5.5	matrix plots	1	Lecture	White board
5.6	multiple plots in one window - exporting graph	2	Lecture	White board
5.7	using graphics parameters	1	Lecture	White board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5 Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non-Scho.	-	-	-	-	-	5	5	10%
Total	10	15	10	10	45	5	50	100%

- ✓ **All the course outcomes are to be assessed in the various CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse,* ***K5*** *– Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Define the data science process	K2, K4	PSO1& PSO2
CO 2	Understand different models for data description for data science process	K2, K3, K4	PSO2 & PS03
CO 3	Gain knowledge on R Language	K2 , K4	PSO1 & PS04
CO 4	Use different techniques in Probability Distribution	K2, K3,K4& K5	PS03 & PS05
CO 5	Discuss the methods available for Delivering results	K2,K3,K4& K5	PS04 &PS05

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	1	3	2	1	1
CO3	2	1	1	3	1
CO4	1	1	3	1	2
CO5	1	1	1	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	3	1	1	1	1	1	2	1	1	1
CO2	1	2	1	1	3	1	1	1	1	1	1	1
CO3	1	3	1	1	1	2	1	1	1	1	1	1
CO4	1	1	1	2	1	1	3	1	1	1	1	1
CO5	3	1	1	1	1	1	1	1	1	2	1	1

COURSE DESIGNER

P.NANCY VINCENTINA MARY

Forwarded By

HOD'S Signature & Name

S. Mary Helan Felista

GENERAL ELECTIVE

(For those who join in 2024 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	24MCAGE15	BLOCK CHAIN TECHNOLOGY	GENERAL ELECTIVE	4	4

COURSE DESCRIPTION

This course provides Block chain is an emerging technology platform for developing decentralized applications and data storage.

COURSE OBJECTIVE

- To comprehend fundamentals of Public Key Cryptography technology and Consensus Algorithms.
- To familiarize with Bitcoin Network, Bitcoin Clients, APIs and Payments technology of block chain operations.
- To engage with Components of the Ethereum ecosystem.
- To grasp about Development Tools and Frameworks.

UNIT- I BLOCK CHAIN, DECENTRALIZATION (12 Hours)

Block chain : The growth of block chain technology - Distributed systems - The history of Block chain and Bitcoin - Block chain - Consensus - CAP theorem and Block chain. **Decentralization:** Decentralization using Block chain - Methods of decentralization - Routes to decentralization - Block chain and full ecosystem decentralization - Pertinent terminology - Platforms for decentralization - Innovative trends.

SELF STUDY: Block chain and full ecosystem decentralization

UNIT- II PUBLIC KEY CRYPTOGRAPHY, CONSENSUS ALGORITHMS AND SMART CONTRACTS (12 Hours)

Public Key Cryptography: Asymmetric cryptography - Cryptographic constructs and Block chain technology. **Consensus Algorithms:** Introducing the consensus problem - Analysis and design - Classification - Algorithms - Choosing an algorithm. **Smart Contracts:** History - Definition - Ricardian contracts - Smart contract templates – Oracles - Deploying smart contracts - DAO

SELF STUDY: Smart contract templates

UNIT – III BITCOIN **(12 Hours)**

Bitcoin: Bitcoin—an overview - Cryptographic keys - Transactions - Block chain – Mining. **Bitcoin Network and Payments:** The Bitcoin network - Wallets - Bitcoin payments -Innovation in Bitcoin - Advanced protocols - Bitcoin investment and buying and selling Bitcoin. **Bitcoin Clients and APIs:** Bitcoin client installation - Experimenting further with bitcoin-cli - Bitcoin programming.

SELF STUDY: Bitcoin investment and buying and selling Bitcoin

UNIT–IV ALTERNATIVE COINS **(12 Hours)**

Alternative Coins: Theoretical foundations - Difficulty adjustment and retargeting algorithms - Bitcoin limitations - Extended protocols on top of Bitcoin -Development of altcoins. **Ethereum**: Ethereum – an overview - Ethereum network - Components of the Ethereum ecosystem – Ethereum Virtual Machine (EVM) - Smart contracts. - Blocks and Block chain - Wallets and client - Nodes and miners - APIs, tools, and DApps Supporting protocols - Programming languages.

SELF STUDY: Components of the Ethereum ecosystem

UNIT – V DEVELOPMENT TOOLS AND FRAMEWORKS, USE CASES & SECURITY
(12 Hours)

Development Tools and Frameworks : Languages - Compilers - Tools and libraries - Frameworks - Contract development and deployment - Layout of a Solidity source code file - Solidity language. **Use Cases**: IoT – Government - Health -Finance – Media. **Scalability and Other Challenges**: Scalability - Privacy - Security - Other challenges.

SELF STUDY: Contract development and deployment

REFERENCES:

1. Arvind Narayanan, Joseph Bonneau, Edward Felten, Andrew Miller, Steven Goldfeder, “Bitcoin and Cryptocurrency Technologies”, Princeton University Press, 2016. ISBN 978-0691171692

2. Andreas Antonopoulos, “Mastering Bitcoin: Programming the open block chain”, Oreilly Publishers, 2017. ISBN 978-9352135745

WEB REFERENCES:

1. https://www.javatpoint.com/blockchain-tutorial
2. https://www.simplilearn.com/tutorials/blockchain-tutorial

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1- BLOCK CHAIN, DECENTRALIZATION				
1.1	Block chain :The growth of Block chain technology	1	Lecture	Black Board
1.2	Distributed systems - The history of Block chain and Bitcoin - Block chain	2	Chalk & Talk	White board
1.3	Consensus - CAP theorem and Block chain.	1	Chalk & Talk	Black Board
1.4	**Decentralization:** Decentralization using Block chain	2	Chalk & Talk	Black Board
1.5	Methods of decentralization -Routes to decentralization	2	Chalk & Talk	Black Board
1.6	Block chain and full ecosystem decentralization - Pertinent terminology	2	Chalk & Talk	White board
1.7	Platforms for decentralization - Innovative trends.	2	Chalk & Talk	White board
UNIT 2 - PUBLIC KEY CRYPTOGRAPHY, CONSENSUS ALGORITHMS AND SMART CONTRACTS				
2.1	**Public Key Cryptography:** Asymmetric cryptography	2	Chalk & Talk	Black Board
2.2	Cryptographic constructs and Block chain technology.	2	Chalk & Talk	Black Board
2.3	**Consensus Algorithms:** Introducing the consensus problem -Analysis and design	3	Chalk & Talk	Black Board
2.4	Classification - Algorithms - Choosing an algorithm.	2	Chalk & Talk	Black Board

2.5	**Smart Contracts:** History - Definition - Ricardian contracts - Smart contract templates – Oracles - Deploying smart contracts - DAO	3	Chalk & Talk	Black Board
UNIT 3 – BITCOIN				
3.1	**Bitcoin:** Bitcoin—an overview - Cryptographic keys - Transactions - Block chain – Mining.	1	Lecture	White board
3.2	**Bitcoin Network and Payments:** The Bitcoin network	2	Chalk & Talk	Black Board
3.3	Wallets - Bitcoin payments -Innovation in Bitcoin - Advanced protocols	2	Chalk & Talk	Black Board
3.4	Bitcoin investment and buying and sellingBitcoin.	2	Chalk & Talk	Black Board
3.5	**Bitcoin Clients and APIs:** Bitcoin client installation	2	Chalk & Talk	Black Board
3.6	Experimenting further with bitcoin-cli - Bitcoin programming.	3	Chalk & Talk	Black Board
UNIT 4 - ALTERNATIVE COINS				
4.1	**Alternative Coins:** Theoretical foundations - Difficulty adjustment and retargeting algorithms	2	Lecture	PPT
4.2	Bitcoin limitations - Extended protocols on top of Bitcoin - Development of altcoins.	2	Lecture	Black Board
4.3	**Ethereum: Ethereum –** an overview - Ethereum network	2	Chalk & Talk	Black Board
4.4	Components of the Ethereum ecosystem – Ethereum Virtual Machine (EVM) – Smart contracts.	2	Chalk & Talk	Black Board
4.5	Blocks and Block chain - Wallets and client - Nodes and miners	2	Chalk & Talk	Black Board

4.6	APIs, tools, and DApps - Supporting protocols - Programming languages.	2	Chalk & Talk	Black Board
UNIT 5 - DEVELOPMENT TOOLS AND FRAMEWORKS, USE CASES & SECURITY				
5.1	**Development Tools and Frameworks :**Languages	1	Chalk & Talk	Black Board
5.2	Compilers - Tools and libraries	1	Chalk & Talk	Black Board
5.3	Frameworks	1	Chalk & Talk	Black Board
5.4	Contract development and deployment	2	Chalk & Talk	Black Board
5.5	Layout of a Solidity source code file	1	Chalk & Talk	Black Board
5.6	Solidity language	2	Chalk & Talk	Black Board
5.7	**Use Cases:** IoT – Government - Health - Finance – Media.	2	Chalk & Talk	Black Board
5.8	**Scalability and Other Challenges:** Scalability - Privacy - Security - Other challenges.	2	Chalk & Talk	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks .	10 Mks	45 Mks .	5Mks .	50 Mks .	
K1	-	-	-	-	-		-	-
K2	-	5	5	**2.5**	**12.5**		**12.5**	**25%**
K3	5	-	-	**5**	**10**		**10**	**20%**
K4	5	5	-	**2.5**	**12.5**		**12.5**	**25%**
K5	-	5	5	-	**10**		**10**	**20%**
Non-Scho.	-	-	-	-	-	**5**	5	**10%**
Total	**10**	**15**	**10**	**10**	**45**	**5**	**50**	**100%**

CIA	
Scholastic	**45**
Non Scholastic	**5**
	50

- ✔ **All the course outcomes are to be assessed in the various CIA components.**
- ✔ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	15	10	10	5	50	50	100

CIA Components			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

***The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Understand, apply and examine the characteristics of block chain,bitcoin and consensus algorithm in centralized and decentralized methods.	K2, K4	PSO1 & PSO2
CO 2	Comprehend and demonstrate the application of hashing and public key cryptography in protecting the blockchain.	K2, K3, K4	PSO1 & PSO2
CO 3	Understand and analyse the elements of trust in a Blockchain: validation, verification, and consensus.	K2 , K4	PSO1 & PSO3
CO 4	Comprehend and evaluate the alternate coin, Ethereum and smart contract.	K2, K3,K4 & K5	PSO1 & PSO4
CO 5	Grasp and apply the knowledge of Tools and languages for applications	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	1	1
CO2	2	3	1	1	1
CO3	3	1	3	1	1
CO4	3	1	1	2	1
CO5	1	1	1	3	2

Mapping of COs with POs

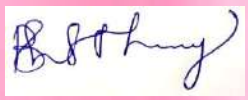
CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	1	2	1	1	2	2	1	1	1
CO2	3	2	3	2	1	1	1	1	2	2	2	2
CO3	3	2	3	1	2	2	1	1	2	2	1	1
CO4	3	2	3	1	2	2	1	1	2	2	1	2
CO5	3	1	3	2	1	1	2	1	2	1	1	2

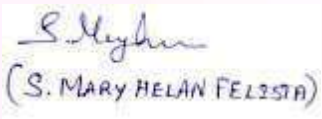
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

Dr. R. Smeeta Mary **HOD'S Signature**





SEMSTER IV

SELF LEARNING COURSER FOR ADVANCED LEARNERS

(For those who joined in 2023 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
MCA	20MCAAL01	INTERNET OF THINGS	ADVANCED LEARNERS	-	2

COURSE DESCRIPTION

This course provides the knowledge required to design an IOT system to connect embedded sensors.

COURSE OBJECTIVE

- Learn the fundamentals of IoT
- Understand the design methodology of IoT applications
- Design IoT applications using Raspberry Pi

UNIT - I FUNDAMENTALS OF IOT (12 Hours)

Introduction-Characteristics-Physical design – Things in IoT - Protocols – Logical design of IoT – Functional blocks – communication models – communication APIs – IoT Enabling technologies – IoT Levels and deployment templates.

UNIT – II DOMAIN SPECIFIC IOT (12 Hours)

Domain Specific IoTs – Introduction – Home Automation – Cities – Environment – Energy – Retail – Logistics – Agriculture – Industry – Heath and Life style

IoT and M2M – Introduction – M2M – Difference between IoT and M2M - SDN and NFV for IoT.

UNIT – III IOT PLATFORMS DESIGN METHODOLOGY (12 Hours)

Introduction – IoT Design Methodology-IOT physical devices and Endpoints – IoT Device – Raspberry Pi – Linux on Raspberry Pi - Raspberry Pi interfaces – Programming Raspberry Pi with Python.

UNIT – IV IOT PHYSICAL SERVERS AND CLOUD OFFERINGS (12Hours)

Introduction to cloud storage models and communication API s – Python web application framework –Django – Designing a RESTful web API – Amazon web services for IoT

UNIT – V CASE STUDIES AND REAL-WORLD APPLICATIONS(12 Hours)

Real world design constraints - Applications - Asset management, Industrial automation, smart grid, Commercial building automation, Smart cities - participatory sensing - Data Analytics for IoT – Software & Management Tools for IoT Cloud Storage Models & Communication APIs - Amazon Web Services for IoT.

REFERENCES:

1. ArshdeepBahga, Vijay Madisetti,"Internet of Things – A hands-on approach", Hyderabad Universities Press, 2015.

2. HonboZhou,"The Internet of Things in the Cloud : A Middleware Perspective", Newyork : CRC Press , 2012.

3. D. Jeya Mala, "Integrating the Internet of Things into Software Engineering best practices", IGI Global Publishers, UK, 2019.

4. Dieter Uckelmann; Mark Harrison; Florian Michahelles (Eds.) "Architecting the Internet of Things", Germany: Springer,2011.

5. David Easley and Jon Kleinberg, " Networks, Crowds, and Markets: Reasoning About a Highly Connected World" United Kingdom: Cambridge University Press, 2010.

6. Olivier Hersent, Omar Elloumi and David Boswarthick, "The Internet of Things: Applications to the Smart Grid and Building Automation", United States : Wiley Publishing Inc, 2012.

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1. https://lecturenotes.in/subject/370/internet-of-things-iot

2.http://www.cs.ust.hk/~qianzh/FYTGS5100/spr2013/notes/Chapter1-IoT.pdf

INTER-DISCIPLINARY COURSE

I MBA

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	21MCA2SL	INFORMATION TECHNOLOGY FOR MANAGEMENT	SELF LEARNING – ADVANCED LEARNERS	-	4

COURSE DESCRIPTION

The students would be aware of the various Information technology components, solutions and issues in the successful implementation of the same in any organization

COURSE OBJECTIVES

- To impart knowledge on the Information Systems and its application in organizations.
- To expose the students to the Business relating to information systems and help them identify and evaluate various options in Organizational Information Systems

UNIT I **(12 Hours)**

Introduction to Information Technology- Introduction- Why Information Technology – Management Roles- Information Technology Trends.

Strategic Information Systems - Strategic Information Systems-IT for Competitive Advantage.

UNIT II **(12 Hours)**

Information Technology- Types of Operating Systems- Programming Languages- Types of Information Processing- Application Software- Industry Trends.

Communication – Networks - Network Topology- Network Components –Network Architecture- Internet, Intranet and Extranet Applications- Data Communication at Work.

UNIT III **(12 Hours)**

E-business Models – E-Business Definition – Categories of E-Business Solutions- Building E-Business Models- Role of M-Commerce- E-Business Security Issues- E-business Strategy.

UNIT IV **(12 Hours)**

Knowledge Management and Intelligent Systems - Introduction - Intelligent Systems - Knowledge Management - values of Knowledge Management – Components of Knowledge Management - Business Intelligence(BI) - Intelligent Business – Competitive Intelligence.

UNIT V **(12 Hours)**

Information System Planning (ISP)- System Development Phases- System Development Methodologies .

Managing Information Systems and Organizational Change - Roles and Responsibilities for IT Management

REFERENCES

1. Ramesh Behl "Information Technology for Management ", , Tata McGraw –Hill Education Private Limited, New Delhi.
2. Henry C. Lucas, Jr., " Information Technology for Management", Tata McGraw-Hill, 7Th Edition 2001
3. Sultan chand& Sons, "Management Information Systems", sultan Chand & sons.

WEB REFERENCES

1. www. alison.com/learning-path/information-technology-for-managers
2. www.ibm.com/topics/it-management

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	W1+W2 5+5=10	Avg (M1 & M2) 10	Mid-Sem. Test 15	Once in a Sem. 10		5	50	
K1	-	-	-	-	-		-	-
K2	5	2	3	-	10		10	20 %
K3	5	3	4		12		12	24 %
K4	-	5	4	5	14		14	28%
K5	-	-	4	5	9		9	18 %
Non-Scho							5	10 %
Total	10	10	15	10	45	5	50 mks.	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- **All the course outcomes are to be assessed in the various CIA components.**
- **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**
  ***K2**-Understand,* ***K3**-Apply,* ***K4**-Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON – SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	10	15	10	5	50	50	100

- **CIA Components**

			Nos		
C1	–	Test (CIA 1)	2*	-	10 Mks
C2	-	Test (CIA 2)	1	-	15 Mks
C3	-	Assignment / Open Book Test	2	-	10 Mks
C4	-	Seminar	1	-	10 Mks
C5	-	Attendance	1	-	5 Mks

- **•The Average of two will be taken into account**

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	tand the information system s	K2, K4	PSO1 & PSO2
CO 2	Investigate on the information technology components	K2, K3, K4	PSO1 & PSO2
CO 3	Identify the importance of E – Business and M-Commerce	K2 , K4	PSO3 & PSO5
CO 4	Assess role of Intelligent Systems in Business	K2, K3,K4 & K5	PSO3 & PSO4
CO 5	Analyze the Information system planning and Organizational change	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	2	1	1	1
CO3	2	1	3	1	1
CO4	2	1	3	1	1
CO5	1	1	1	2	3

Mapping of C0s with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	3	2	1	1	1	2	3	2	3	1
CO2	1	1	2	1	2	1	1	2	1	1	3	1
CO3	1	1	3	1	1	1	2	2	1	2	3	2
CO4	1	1	3	1	2	1	2	2	3	1	2	2
CO5	1	1	3	2	1	1	3	3	3	1	2	3

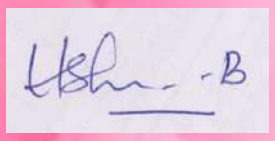
Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

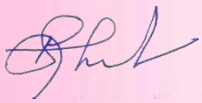
♦ Weakly Correlated -**1**

COURSE DESIGNER **Forwarded By**

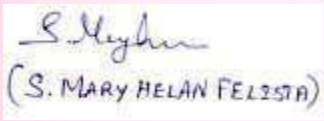
Staff Name **HOD'S Signature & Name**

B. USHA





1. Dr. P. SHYAMALA



2.

INTER-DISCIPLINARY COURSE

II MBA

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	21MCA4SL	WEB ANALYTICS	SELF LEARNING – ADVANCED LEARNERS	-	4

COURSE DESCRIPTION

This course introduces students to the basics of web analytics and the tools and techniques to carry out effective analytics on web. Students will learn the procedure to mull over the data available on the web.

COURSE OBJECTIVE

- To learn the basics of Web Analytics
- To have an exposure on the Common terminologies
- To be familiar with choosing the right web analytic solution
- To be acquainted with the statistical analysis on web
- To become skilled on making the analytics to work

UNIT- I BASICS

- Understanding Web Analytics – Introduction - Who should use Web analytics? - Why you should use Web analytics - The importance of benchmarking - Web Analytics - Thinking like a journalist - The language of Web analytics

COMMON TERMINOLOGIES

- Hitting the Terminology Targets - Hits – Pageviews - Unique visitors - Web Analytics - Mastering Internet Marketing - Defining Actionable Data - Untangling Technical Terms

UNIT- II CHOOSING THE RIGHT WEB ANALYTICS SOLUTION

Web analytic tools – Introduction – Budget – Server side software survey – server side analytics – Desktop applications – Client side analytics – Hosted solutions – Any time access - Hosted analytics pitfalls - synergies of multiple tool types

INVESTING IN WEB ANALYTIC TOOLS

Introduction – Free analytic tools - Low cost solutions – Low cost vendors - Enterprise analytics – Web trends web analytics

UNIT- III TAKING OUT THE TRASH

Classifying Nonhuman Users - e-mail harvesters – link checkers and validators - Recognizing RSS feed readers - Blog-monitoring services - Referrer Spam

REVIEWING SITE REFERRERS

Referrers - Classifying sources of Web traffic - search engines - Beyond Search Engines - Measuring the value of link building campaigns - Counting click-through from e-mail campaigns

UNIT- IV SEARCHING FOR STATISTICAL TREASURE

Getting to Know Your Visitors – Visitors – Popular search terms – Referring off the wall requests – click streams &Labelling - Browser data & usage - Identifying the Most Important Pages - Key Performance Indicators Insights

UNIT- V MAKING ANALYTICS WORK

Sifting through Search Data – Search terms – accessing & reviewing the search data – searching for relevant terms – profit thieves -traffic analyzer – accuracy & relevancy - Increasing Web Site Visibility – Finding New Customers - Scanning search engines - Improving search rankings - Measuring your SEO efforts

REFERENCES:

1. Pedro Sostre , Jennifer LeClaire , " Web analytics " , Wiley Publishing Inc, 2007
2. Michael Beasly , " Practical Web Analytics , Elsevier Science, 2013
3. Gerardus Blokdyk , "Google Analytics Complete Self-Assessment Guide", 5STARCooks, 2021

WEB REFERENCES:

1. www.tutorialspoint.com/web_analytics/web_analytics_quick_guide.htm
2. https://www.webanalytics.in

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	W1+W2 5+5=10	Avg (M1 & M2) 10	Mid-Sem.Test 15	Once in a Sem. 10		5	50	
K1	-	-	-	-	-		-	-
K2	5	2	3	-	10		10	20 %
K3	5	3	4		12		12	24 %
K4	-	5	4	5	14		14	28%
K5	-	-	4	5	9		9	18 %
Non-Scho							5	10 %
Total	10	10	15	10	45	5	50 mks.	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

- **All the course outcomes are to be assessed in the various CIA components.**
- **The levels of CIA Assessment based on Revised Bloom's Taxonomy for MCA are :**

K2-*Understand,* ***K3-****Apply,* ***K4-****Analyse, K5 – Evaluate*

EVALUATION PATTERN

SCHOLASTIC				NON – SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	CIA	ESE	Total
10	10	15	10	5	50	50	100

C1 – Sum of Two Weekly Tests

C2 – Average of Two Monthly Tests

C3 - Mid Sem Test

C4 – Once in a semester (Seminar / Assignment)

C5 – Non – Scholastic

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	tand the basic terminologies n web analytics	K2, K4	PSO1 & PSO2
CO 2	Compare and analyze various techniques followed in web analysis	K2, K3, K4	PSO1 & PSO2
CO 3	Identify the role of non human users and Referrers in web analysis	K2 , K4	PSO3 & PSO5
CO 4	Assess the visitors , important web pages and performance indicators	K2, K3,K4 & K5	PSO3 & PSO4
CO 5	Explore search sift and search engine optimization	K2,K3,K4 & K5	PSO4 & PSO5

Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	1	1	1
CO2	3	2	1	1	1
CO3	2	1	3	1	1
CO4	2	1	3	1	1
CO5	1	1	1	2	3

Mapping of C0s with Pos

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	3	1	2	2	3	2	2	3
CO2	1	1	2	1	2	1	1	2	2	3	3	3
CO3	1	1	2	1	2	1	2	2	3	2	2	2
CO4	1	1	1	1	3	1	2	2	2	2	2	2
CO5	1	2	2	2	2	1	1	3	3	2	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**

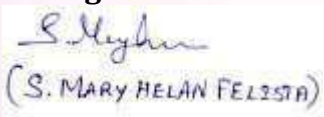
♦ Weakly Correlated -**1**

COURSE DESIGNERS

1. **B. USHA**
2. **Dr.N. ASHA**

Forwarded By

HOD'S Signature & Name



VALUE ADDED COURSE

ALL COMPUTER SCIENCE STUDENTS

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23PGVAMCA05	SOFTWARE TESTING TOOLS	VALUE ADDED COURSE	30	2

COURSE DESCRIPTION

This course focus on the learning of tools used in the process of software testing.

COURSE OBJECTIVES

- To impart knowledge on the need for testing
- To give an in depth knowledge on selenium tool
- To introduce on the various testing frameworks

Unit 1

Software Architecture –Methodologies – Agile Methodology –Scrum framework

Unit 2

Testing – why testing is necessary –functional / non functional testing – testing procedure. Writing scenario and cases – RTM – design case techniques

Unit 3

Automation testing – Selenium tool – components- framework structure –jar file and driver installation- webelements – locators

Unit 4

Basic element inspections – data driven framework- POM model

Unit 5

Introduction to Testng framework – jira tool- Github– cucumber framework

VALUE ADDED COURSE

ALL COMPUTER SCIENCE STUDENTS

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
MCA	23PGVAMCA06	WEB DESIGNING USING JSP & SERVLETS	VALUE ADDED COURSE	30	2

COURSE DESCRIPTION

This course focus on implementing a website using JSP & Servlets

COURSE OBJECTIVES

- To create website using Java Servlets
- To develop web applications using JSP

Unit 1

Introduction to Web Application – Web Server and Client – HTML & HTTP –URL - Introduction to Servlet – Role of servlet in developing a web application – First web application using servlet

Unit 2

Servlet Life Cycle – init( ) method – service ( ) method – doGet( ) method – doPost( )method – destroy ( ) method

Servlets - FORM Data - GET method – POST method –Reading form data using Servlet – GET method example using URL - GET method example using Form - POST method example using Form

Unit 3

Servlets - CLIENT – HTTP REQUEST – Methods to read HTTP header – HTTP Header Request Example

Servlets - SERVER HTTP RESPONSE - Methods to set HTTPResponse header – HTTP Header Response Example

HTTP STATUS CODES – Methods to set HTTP status code – HTTP status code Example

Unit 4

JSP –Introduction – Lifecycle – API

JSP Scripting elements – JSPscriplet tag – JSP expression tag – JSP declaration tag – JSP out – JSP Request – JSP response

Unit 5

JSP Directive elements – page directive – include directive – taglib directive

JSP Exception – JSP Action elements

HAND BOOK

2024 – 2025

Fatima College

(Autonomous)

Affiliated to Madurai Kamaraj University, Madurai
Re-accredited with "A++" by NAAC (Cycle - IV)
AICTE Approved MBA & MCA Programmes
Mary Land, Madurai - 625 018, Tamil Nadu, India

CALENDAR & HANDBOOK

2024 - 2025

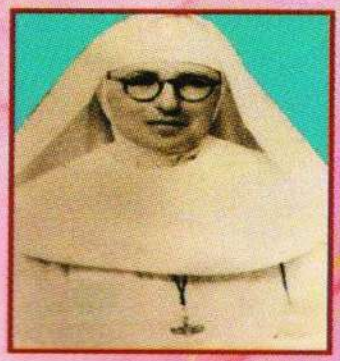
Professional Programmes

M.B.A & M.C.A

The Congregation of the Sisters of St. Joseph was founded in Le Puy, France, in 1650 by Fr. Jean Pierre Medaille.

Father Jean-Pierre Medaille was born in Carcassonne on October 06, 1610. He met a group of widows and women who were eager to be consecrated to God. He directed them and they lived a humble life in small communities.

Mother Saint Jeanne Fontbonne was born on March 31, 1759, in Bas-en- Basset (haute-Loire), in a devout Christian rural family. In 1808, Rev. Mother was called to form a group of sisters in St. Etienne. While Rev. Mother was Superior General, the Congregation of Lyons spread over 13 districts of France, into Italy and across the sea.



Rev. Sr. Rose Benedict was born on August 24, 1898 in Leema, Canada. She became a member of the Congregation of Sisters of St. Joseph of Lyons in 1913 and in 1924 came to India as a missionary. She laid the foundation for Fatima College in 1953. She entered God's Glory on December 27, 1968 of lung cancer which she contracted inhaling cement as she supervised the construction of Fatima College. Remembering her yeoman service the people of Madurai conferred on her the title of **'Man of Madurai'** and erected her statue in the old campus of Madurai Kamaraj University, Madurai.

FATIMA COLLEGE

(AUTONOMOUS)

Affiliated to Madurai Kamaraj University, Madurai
Re-accredited with "A++" by NAAC (Cycle - IV)
AICTE Approved MBA & MCA Programmes
MARY LAND, MADURAI – 625 018, TAMIL NADU, INDIA

PROFESSIONAL PROGRAMMES
CALENDAR & HANDBOOK

2024 - 2025

Managed by

ST.JOSEPH'S SOCIETY OF MADURAI

(Congregation of the Sisters of St. Joseph of Lyon, France)

Ph: 0452-2668016, 2669015, Fax: 91-452-2668437
E-Mail: mba@fcmdu.edu.in
mca@fcmdu.edu.in

Website: www.fatimacollegemdu.org

COLLEGE PROFILE

Fatima College (Autonomous), Mary Land, Madurai, is a Postgraduate College for women affiliated to Madurai Kamaraj University. It is a Catholic minority institution established and run by St. Joseph's Society of Madurai (of the Congregation of the Sisters of St. Joseph of Lyon, France). This institution came into existence through the tireless efforts of the missionary sisters of St. Joseph of Lyon and the zeal and heroic sacrifice of Rev. Sr. Rose Benedicta, the Foundress of the College.

The College was started in St. Joseph's School Campus Madurai as a Second Grade College with 63 students in 1953. It was upgraded into a Postgraduate College in 1964 and Autonomous in 1990. The College now offers 23 Undergraduate Programmes, 15 Postgraduate Programmes and 2 Professional Programmes. 7 Departments have become Research Centres. It has a strength of 3754 students, 185 Teaching Staff and 89 Non-Teaching Staff.

The comprehensive assessment by NAAC in 1999 placed Fatima College in Five Star Status of merit. The College strives to sustain excellence, quality and relevance while equipping the students to meet the demands of higher education in India. In 2004, UGC conferred on Fatima College, the status of College with Potential for Excellence. In 2006 and 2013 NAAC re-accredited the college with 'A' Grade. In 2021-2022 NAAC re-accredited the college with 'A++' Grade.

MOTTO

LEAD KINDLY LIGHT

VISION

WOMEN'S EMPOWERMENT THROUGH EDUCATION

Being contemplative, prophetic and women of communion for the LIFE of the world to empower young women through faith formation and value-based education for societal equality, harmony and care for our common home.

MISSION

- To empower Women with academic excellence through Quality Education.
- To endow them with character, competence, creativity and commitment for nation building.
- To enkindle in the inclusive love and encourage them to build fraternal communities and champion the cause of those at the periphery with compassion.
- To enable them to excel as responsible citizens moved by the need for interdependence among human beings, society and the environment.

PERSONAL MEMORANDA

Stamp Size Photo

Name :_____

Dept. & Reg. No. :_____

Day Scholar/Hosteller :_____

Present Address :_____

_____

_____

_____

_____

XIIth Register No. :_____

Aadhar No. :_____

Driving Licence No. :_____

Vehicle No. :_____

In case of emergency :

Contact Name :_____

Relationship :_____

Mobile No. :_____

Student's Signature Parent's/Guardian's Signature

Mobile No. :_____

COLLEGE WORKING HOURS

Shift-I : UG/PG - 8:30 a.m. to 1:30 p.m.

Shift-II : UG/PG - 12:30 p.m.to 5:30 p.m.

Professional Programmes - 9:00 a.m. to 3:30 p.m.

- MBA & MCA
- B.Com (Honours) – First Year (Integrated with ACCA, UK)

COLLEGE PRAYER

God our Father, source of all goodness, we believe that you are present in the whole creation. We humbly ask of you to watch over this College and its inmates. Bless our parents, our teachers, our friends and well -wishers. Help us to grow as responsible women, caring for every kind of neighbour, especially our less fortunate brothers and sisters. May every prayer and work of ours begin with you and happily end with you.

Our Lady of Fatima, prays for us, **Amen**.

தேசிய ஒருமைப்பாட்டு உறுதிமொழி

நாட்டின் உரிமை வாழ்வையும், ஒருமைப்பாட்டையும் பேணிக் காத்து வலுப்படுத்த செயற்படுவேன் என்று உளமார நான் உறுதி கூறுகிறேன். ஒரு போதும் வன்முறையை நாடேன் என்றும், சமயம் மொழி வட்டாரம் முதலியவை காரணமாக எழும் வேறுபாடுகளுக்கும் பூசல்களுக்கும் ஏனைய அரசியல் பொருளாதார குறைபாடுகளுக்கும் அமைதி நெறியிலும் அரசியல் அமைப்பின் வழியிலும் நின்று தீர்வு காண்பேன் என்றும் நான் மேலும் உறுதி அளிக்கிறேன்.

PLEDGE

India is my country and all Indians are my brothers and sisters. I love my country and I am proud of its rich and varied heritage. I shall always strive to be worthy of it.
I shall give my parents, teachers and all elders,
respect, and treat everyone with courtesy.
To my country and to my people I pledge my devotion.
In their well–being and prosperity alone, lies my happiness.

-Pydimarri Venkata Subba Rao(1962)

NATIONAL ANTHEM

Jana-gana-mana-adhinayakajayahe
Bharata-bhagya-vidhata
Punjaba-Sindhu-Gujarata-
MarathaDravida-Utkala-Banga
Vindhya-Himachala-Yamuna-
GangaUchchala-jaladhi-taranga
Tavashubhanamejage,tavashubhaasisamage,
Gahe tavajaya-gatha.
Jana-gana-mangala dayakajayahe
Bharata-bhagya-vidhata.
Jayahe,Jayahe,Jayahe,
Jayajayajaya,jayahe.

-Rabindranath Tagore (1911)

TRANSLATION OF THE NATIONAL ANTHEM

Thou art the ruler of the minds of all people,

Dispenser of India's destiny.

Thy name rouses the hearts of Punjab, Sind,

Gujarat and Maratha,

Of the Dravida and Odisha and Bengal;

It echoes in the hills of the Vindhyas and Himalayas,

Mingles in the music of Jamuna and Ganges and is

Chanted by the waves of the Indian Sea.

They pray forthy blessings and sing thy praise.
The saving of all people waits in thy hand, Thou
dispenser of India's destiny.
Victory, victory, victory to thee.

-Rabindranath Tagore (1911)

தமிழ்த்தாய் வாழ்த்து

நீராருங் கடலுடுத்த நிலமடந்தைக் கெழிலொழுகும்
சீராரும் வதனமெனத் திகழ்பரதக் கண்டமிதில்
தெக்கணமும் அதிற்சிறந்த திராவிடர்நல் திருநாடும்
தக்கசிறு பிறைநுதலும் தரித்தநறுந் திலகமுமே
அத்திலக வாசனைபோல் அனைத்துலகும் இன்பமுற
எத்திசையும் புகழ்மணக்க இருந்தபெருந்

தமிழணங்கே! தமிழணங்கே!

உன் சீரிளமைத் திறம்வியந்து செயல்மறந்து

வாழ்த்துதுமே! வாழ்த்துதுமே!! வாழ்த்துதுமே!!!

- மனோன்மணியம் பெ.சுந்தரனார் (1891)

தாயின் மணிக்கொடி பாரீர்!!

தாயின் மணிக்கொடி பாரீர் - அதைத்
தாழ்ந்து பணிந்து புகழ்ந்திட வாரீர்
ஓங்கி வளர்ந்ததோர் கம்பம் - அதன்
உச்சியின் மேல் வந்தே மாதர மென்றே
பாங்கி னேழுதித் திகழும் - செய்ய
பட்டொளி வீசிப் பறந்தது பாரீர்!

கம்பத்தின் கீழ்நிற்றல் காணீர் - எங்கும்
காணரும் வீரர் பெருந்திருக் கூட்டம்
நம்பற் குரியரவ் வீரர் - தங்கள்
நால்லுயி ரீந்துங் கொடியினைக் காப்பார். (தாயின்)

- மகாகவி சுப்பிரமணிய பாரதியார்

LEAD KINDLY LIGHT

Lead kindly light, amid th' encircling gloom,
Lead thou me on;
The night is dark, and I am far from home,
Lead thou me on!
Keep thou my feet! I do not ask to see
The distant scene; one step enough for me.

I was not ever thus, nor prayed that thou
Shouldst lead me on:
I loved to choose and see my path; but now,
Lead thou me on!
I loved the garish day, and inspite of fears
Pride ruled my will, remember not past years!

So long thy power hath blest me, sure it still
Will lead me on:
O'er moor and fen, O'er crag and torrent, till
The night is gone,
And with the morn those angel faces smile
Which I have loved long since, and lost awhile.

- **John Henry Newman (1833)**

HYMN TO OUR LADY OF FATIMA

Oh! Come to the throne of grace,
Oh! Come to the heart most pure,
To Mary, the hope of all,
In whom salvation is sure.

Chorus: Oh! Lady of Fatima hail!
Immaculate Mother of Grace,
Oh! pray for us help us today,
Thou hope of the human race.

Immaculate hearts, we kneel
To consecrate all to Thee,
The present, its pain and joy,
The future all it maybe.

FATIMA ANTHEM

A happy band from far and near
We meet to learn the right to dare
Beloved Home! Dear College hail
Our love for Thee shall never fail.

Chorus: For God is all our strength,
In Him we do and dare
The right against the wrong
We'll cherish and revere,
Then firmly let us stand,
United heart and hand,
And pray that God may ever bless,
Our College days.

We gather round where all may sing
Glad songs of praise, of trust and love
Where youthful hearts may find the way
That leads to light and endless days.

SHINING LIGHT

This little guiding light of mine
I am going to let it shine-3

Let It shine all the time let it shine
Take this little light round the world
I am going to let it shine-3

Let it shine all the time let it shine
Hide it under the bushel O' No
I am going to let it shine-3

Let it shine all the time let it shine

COLLEGE SONG

MARYLAND, MY MARYLAND

O Mary Land, My Mary Land,
My Sweet Home, My Mary Land,
Whene'er I hear your praises ring
Joyfully to you I sing.
Shrine built on faith with stones of love.
Endowed with peace from Heaven above.
Proud of your stand on Indian land,
Mary Land, My Mary Land.

O Mary Land, My Mary Land,
My Dear Home, My Mary Land,
E'er tenderly you guide my life

Fostering courage in the strife. Though
grey or blue the skies maybe,
To youI'll ever loyal be,
Strong with your faith, safe in your care.
Mary Land, My Mary Land.

O Mary Land, My Mary Land,
My blest home, My Mary Land,
Your word is truth, a beacon light,
Shining through the darkest night,
I'll cherish memories of you,
As time goes on whatever I do.
A guide, a friend, that's what you've been,
Mary Land, My Mary Land.

O Patroness of Mary Land.
Mary Queen of all our land,
In years to come, my model be
Keep me ever close to Thee,
E'er true to my fellowmen,
I want to help my fellowmen,
Mary My Guide, give me Thy hand,
Patroness of Mary Land.

-Students of Mary Land, 1961-1962

MEMBERS OF THE VARIOUS COMMITTEES
STATUTORY BODIES
GOVERNING BODY

1.	**Dr. Sr. Lilly Thockanattu,** Provincial,St.Joseph Province,India	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Vice-Chairperson
3.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Ex-Officio Member
4.	**Dr. Sr. Biji Cyriac** Councilor Incharge	:	Member
5.	**Dr.A. Gunasekaran** JDCE, Madurai Region, Madurai.	:	Government Nominee
6.	**Dr. M. Davamani Christober** Principal,The American College (Autonomous), Madurai - 625002.	:	University Nominee
7.	**Prof. A. Joseph Dorairaj** Emeritus Professor, School of English and Foreign Languages, Gandhigram Rural Institute-Deemed to be University Gandhigram– 624302.	:	Educationist
8.	**Mr.B.T. Bangera** Managing Director, Hi-Tech Arai Pvt. Ltd., Madurai-625014.	:	Industrialist
9.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I(Shift-I)	:	Member
10.	**Dr.Sr.J.ArulMary** Vice-Principal-I(Shift-II)	:	Member
11.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
12.	**Dr. M. Meenakumari** Dean of Arts	:	Member
13.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member
14.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member

15.	**Dr. A. Sheela Vimala Rani** Head, Department of Physics	:	Senior Staff
16.	**Dr. M. Regina Mary** Head, Department of Economics	:	Senior Staff
17.	**Dr. P. Shyamala** Head, Department of MBA	:	Senior Staff
18.	**Dr. Sr. Bindu Antony** Superior, Fatima College Convent	:	Special Invitee
19.	**Dr.Sr.A.Jospin Nirmala Mary** Controller of Examinations	:	Special Invitee
20.	**Dr. S. Vidya** Coordinator – International Collaboration and Foreign Students' Welfare Cell	:	Special Invitee
21.	**Dr. S. J. Kala** Dean of Research	:	Special Invitee
22.	**Dr. Sr. G. Jenita Rani** Chief Warden, Fatima College Hostel	:	Special Invitee
23.	**Sr. F. Arockia Mary** Office Manager(Shift-I)	:	Special Invitee
24.	**Sr. S. Stella Arul Mary** Office Manager(Shift - II)	:	Special Invitee

ACADEMIC COUNCIL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Special Invitee
3.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I(Shift-I)	:	Member
4.	**Dr. R. Dayana Christy** Vice-Principal-II(Shift- I)	:	Member
5.	**Dr.Sr.J.ArulMary** Vice-Principal-I(Shift - II)	:	Member
6.	**Dr. M. Meenachi** Vice-Principal-II(Shift - II)	:	Member
7.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member

8.	**Dr. M. Meenakumari** Dean of Arts	:	Member
9.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member
10.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member
11.	**Dr. S. J. Kala** Dean of Research(Shift-I)	:	Member
12.	**Dr. P. Shyamala** Dean of Research (Shift - II)	:	Member
13.	**Dr.Sr.A.Jospin Nirmala Mary** Controller of Examinations	:	Member
14.	**Dr. A. Vimala** Assistant Controller of Examinations	:	Member
15.	**Dr. R. Asokan** Professor, Department of Mathematics School of Mathematics, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
16.	**Dr. B. Padma** Associate Professor, Department of Education, Directorate of Distance Education, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
17.	**Dr. T. Jebasingh** Assistant Professor, Department of Plant Science, School of Biological Sciences, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
18.	**Dr. F. R. Alexander Pravin Durai** Vice Principal, Head and Associate Professor, Department of Commerce and Honours, St. Joseph's College (Autonomous), Trichy -620002.	:	External Member
19.	**Mr. Raja Rajeswaran** Auditor, 167, 1st Floor, Opp.To Christian Mission Hospital, Madurai - 625001.	:	External Member

20.	**Mr. S. P. Muralidharan** Director - Technical & Marketing, Hi-Tech Arai Private Limited, Chinna Chokkikulam, Madurai - 625002.	:	External Member
21.	**Sr. A. Amala** Advocate, Madras High Court, Madurai Bench, Madurai.	:	External Member
22.	**Heads of Departments**	:	Members

FINANCE COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Member
3.	**Dr. P. Kannadasan** Associate Professor, Department of Management Studies, School of Business Studies, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
4.	**Mr. P. Arockia Samy** Auditor, Madurai.	:	Auditor
5.	**Sr. F. Arockia Mary** Office Manager (Shift-I)	:	Member
6.	**Sr. S. Stella Arul Mary** Office Manager (Shift-II)	:	Member
7.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I (Shift-I)	:	Member
8.	**Dr.Sr.J.Arul Mary** Vice-Principal-I (Shift-II)	:	Member
9.	**Dr.Sr.A.Jospin Nirmala Mary** Controller of Examinations	:	Member
10.	**Dr. S. Ivy Jeno** Associate Professor of Economics	:	Member

BOARD OF STUDIES

1.	Director / Head of the Department.
2.	Entire faculty of the Department.
3.	Two External Experts in the subject from other than the Parent university nominated by the Academic Council.
4.	One University Nominee.
5.	One Representative from Industry / Corporate Sector/ Allied Area Relating to Placement.
6.	One Meritorious Alumna

NON-STATUTORY BODIES
COLLEGE COUNCIL

1.	**Dr.Sr.Ignatius Mary** Secretary	:	Chairperson
2.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Member
3.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
4.	**Dr. R. Dayana Christy** Vice-Principal - II (Shift - I)	:	Member
5.	**Dr.Sr.J.ArulMary** Vice-Principal - I (Shift - II)	:	Member
6.	**Dr. M. Meenachi** Vice-Principal - II (Shift - II)	:	Member
7.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
8.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
9.	**Dr. M. Meenakumari** Dean of Arts	:	Member
10.	**Heads of the Departments**	:	Members
11.	**Dr. C. Sahaya Mary Sophia** Dean of Students' Welfare	:	Member
12.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Member

13.	**Dr. C. Sujatha** Librarian	:	Member
14.	**Mr. H. Vincent** Placement Officer	:	Member
15.	**Sr. F. Arockia Mary** Office Manager (Shift - I)	:	Member
16.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member
17.	**Mrs. A. R. Jacintha** Office Superintendent	:	Member
18.	**Ms. K. Vibhacini** II MBA	:	**Students' Representative**
19.	**Ms. S. Swethaa** II MCA	:	**Students' Representative**

AWARDS COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Member
3.	**Dr. K. Umaraj** Associate Professor, Department of Linguistics, School of Linguistics and Communication, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
4.	**Dr. I. K. Manonmani** Assistant Professor, Department of Geography, School of Earth and Atmospheric Sciences, Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
5.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift-I)	:	Member
6.	**Dr. R. Dayana Christy** Vice-Principal - II (Shift-I)	:	Member
7.	**Dr.Sr.J.ArulMary** Vice-Principal - I (Shift-II)	:	Member
8.	**Dr. M. Meenachi** Vice-Principal - II (Shift-II)	:	Member

9.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
10.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
11.	**Dr. A. Vimala** Assistant Controller of Examinations	:	Member
12.	**Dr. M. Meenakumari** Dean of Arts	:	Member
13.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member
14.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member
15.	**Heads of the Departments**	:	Members

PLANNING & EVALUATION COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Member
3.	**Dr. S. Lalithambigai** Assistant Professor, Department of Mathematics, School of Mathematics Madurai Kamaraj University, Madurai - 625021.	:	University Nominee
4.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
5.	**Dr. R. Dayana Christy** Vice-Principal - II (Shift - I)	:	Member
6.	**Dr.Sr.J.ArulMary** Vice-Principal - I (Shift - II)	:	Member
7.	**Dr. M. Meenachi** Vice-Principal - II (Shift - II)	:	Member
8.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
9.	**Dr. M. Meenakumari** Dean of Arts	:	Member
10.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member

11.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member
12.	**Sr. F. Arockia Mary** Office Manager (Shift - I)	:	Member
13.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member
14.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
15.	**Mr .I. Francis Xavier** Lab Assistant	:	Member
16.	**Ms. K. Sri Nithi** III B.A English	:	Sports Representative
17.	**Ms. M. Dharshini Priya** III B.A Sociology	:	Sports Representative

INTERNAL QUALITY ASSURANCE CELL (IQAC)

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Management Representative
3.	**Dr. K. Rosemary Euphrasia** Associate Professor of Computer Science	:	Coordinator
4.	**Dr.E. Helena** Assistant Professor of Mathematics	:	Assistant Coordinator
5.	**Dr. R. Saktheswari** Assistant Professor of English	:	Assistant Coordinator
6.	**Dr. Sr. M. Fatima Mary** Assistant Professor of Mathematics	:	Vice-Principal - I (Shift - I)
7.	**Dr. R. Dayana Christy** Associate Professor of Tamil	:	Vice-Principal - II (Shift - I)
8.	**Dr. Sr. J. Arul Mary** Assistant Professor of Chemistry	:	Vice-Principal - I (Shift - II)
9.	**Dr. M. Meenachi** Head, Department of BBA	:	Vice-Principal - II (Shift - II)
10.	**Dr. M. Meenakumari**	:	Dean of Arts

	Associate Professor of Sociology		
11.	**Dr. M. V. Leena Chandra** Associate Professor of Physics	:	Dean of Science
12.	**Mrs. V. Mageshwari** Assistant Professor of IT	:	Dean of Self Financing Programmes
13.	**Dr. S. J. Kala** Associate Professor of English	:	Dean of Research (Shift - I)
14.	**Dr. P. Shyamala** Head, Department of MBA	:	Dean of Research (Shift - II)
15.	**Dr. Sr. G. Jenita Rani** Assistant Professor of Physics	:	Member
16.	**Mrs. B. Usha** Assistant Professor of MCA	:	Member
17.	**Dr.S. A. Suja** Assistant Professor of Tamil	:	Member
18.	**Dr. C. Sujatha** Librarian	:	Member
19.	**Mr. H. Vincent** Placement Officer	:	Member
20.	**Mrs. P. Sumedha** Assistant Professor of English(SF)	:	Member
21.	**Mr. B. T. Bangera** Managing Director, Hi-Tech Arai Pvt. Ltd., Madurai – 625014.	:	Industrial Expert
22.	**Dr. A. Rose Venis** Dean of IQAC, Associate Professor of Chemistry, St. Joseph's College (Autonomous), Tiruchirappalli – 620002.	:	Academic Expert
23.	**Dr. D. Deepa** Assistant Professor, Department of Management Studies, Madurai Kamaraj University, Madurai – 625021.	:	Alumna
24.	**Sr. F. Arockia Mary**	:	Office Manager

			(Shift - I)
25.	**Sr. S. Stella Arul Mary**	:	Office Manager (Shift - II)
26.	**Ms. J. Pavila Jose** III B.Sc. Computer Science - President - Students' Union (Shift - I)	:	Students' Representative
27.	**Ms. J. Rizwana Hussain** III B. Com SF - President - Students' Union (Shift - II)	:	Students' Representative

CURRICULUM DEVELOPMENT CELL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr.Sr.Ignatius Mary** Secretary	:	Member
3.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I (Shift-I)	:	Member
4.	**Dr. R. Dayana Christy** Vice-Principal-II (Shift-I)	:	Member
5.	**Dr. Sr. J. Arul Mary** Vice-Principal-I (Shift-II)	:	Member
6.	**Dr. M. Meenachi** Vice-Principal-II (Shift-II)	:	Member
7.	**Dr. K. Rosemary Euphrasia** IQAC Coordinator	:	Member
8.	**Dr. M. Meenakumari** Dean of Arts	:	Member
9.	**Dr. M. V. Leena Chandra** Dean of Science	:	Member
10.	**Mrs. V. Mageshwari** Dean of Self-Financing Programmes	:	Member
11.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
12.	**Heads & Second Senior of the Departments**	:	Members

ACADEMIC AUDIT COMMITTEE

1.	**Principal**	:	Chairperson
2.	**Vice-Principal(s)**	:	Members
3.	**Representatives from Management**	:	Members
4.	**IQAC Coordinator**	:	Member
5.	**Deans of Academic Affairs**	:	Members
6.	**Director of Professional Programmes**	:	Member
7.	**Heads of the Departments**	:	Members
8.	**External Experts**	:	Members

EXAMINATION COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
3.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
4.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member

RESEARCH ADVISORY COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
3.	**Dr. R. Dayana Christy** Vice-Principal - II (Shift - I)	:	Member
4.	**Dr. Sr. J.Arul Mary** Vice-Principal - I (Shift - II)	:	Member
5.	**Dr. M. Meenachi** Vice-Principal - II (Shift - II)	:	Member
6.	**Dr. S. J. Kala**	:	Shift-I

	Dean of Research		
7.	**Dr. P. Shyamala** Dean of Research	:	Shift-II
8.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member

INSTITUTION - INDUSTRY CELL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
3.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
4.	**Mr. H. Vincent** Placement Officer	:	Coordinator

ADMISSION COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. G. Jenita Rani** Vice-Principal-I (Shift - II)	:	Coordinator
3.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I (Shift - I)	:	Member
5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Mrs. S. Selvarani** Assistant Professor of MCA & Head of BCA	:	Member
8.	**Dr. V. Jane Varamani Sulekha** Assistant Professor of IT	:	Member

CALENDAR COMMITTEE

1.	**Dr. Sr. M. Fatima Mary** Vice-Principal-I (Shift - I)	:	Coordinator
2.	**Dr. Sr. J. Arul Mary** Vice-Principal-I (Shift - II)	:	Member
3.	**Dr. R. Suganya** Assistant Professor Department of MBA	:	Member
4.	**Mrs. S. Jebapriya** Assistant Professor Department of MCA	:	Member

ANTI-NARCOTICS CLUB

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
3.	**Dr. M. Meenakumari** Associate Professor of Sociology	:	Member
4.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Member
5.	**Dr. T. K. Latha Maheswari** Assistant Professor of Commerce	:	Member
6.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
7.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member

HOSTEL COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. Ignatius Mary** Secretary	:	Member
3.	**Dr. Sr. G. Jenita Rani** Chief Warden, Fatima College	:	Member

	Hostel		
4.	**Sr. S. Stella Arul Mary** Asst.Warden, Fatima College Hostel	:	Member
5.	**Sr. Lilly Kolencherry** Asst.Warden, Fatima College Hostel	:	Member
6.	**Sr. B. Margaretmary** Asst.Warden, Fatima College Hostel	:	Member

FATIMA COLLEGE ALUMNAE ASSOCIATION (FCAA)

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. M. Ragam** Assistant Professor of Physics	:	President
3.	**Dr. B. Vinosha** Assistant Professor of Chemistry	:	Vice President
4.	**Dr. S. Parvathi** Assistant Professor of English	:	Secretary
5.	**Mrs. S. Selvarani** Assistant Professor of MCA & Head of BCA	:	Joint Secretary
6.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Treasurer

INFIRMARY AND WELLNESS CENTRE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Member
3.	**Mrs. A. Sarpia Rani** Assistant Professor of French	:	Member

ADVISORY BODIES

STAFF GRIEVANCE REDRESSAL CELL

1.	**Dr. Sr. G. Celine Sahaya Mary**	:	Principal,Chairperson
2.	**Dr. Sr. Ignatius Mary**	:	Secretary
3.	**Dr. Sr. M. Fatima Mary**	:	Vice-Principal - I (Shift - I)
4.	**Dr. Sr. J .Arul Mary**	:	Vice-Principal - I (Shift - II)
5.	**Dr. K. Rosemary Euphrasia**	:	IQAC Coordinator

STUDENTS' GRIEVANCE REDRESSAL COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. J. Arul Mary** Vice-Principal - I (Shift - II)	:	Member
3.	**Dr. M. Meenachi** Vice-Principal - II (Shift - II)	:	Member
4.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
5.	**Dr. P. Shyamala** Head, Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head, Department of MCA	:	Member
7.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member

COUNSELLING & GUIDANCE CELL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
3.	**Dr. Sr. J. Arul Mary** Vice-Principal - I (Shift - II)	:	Member
4.	**Dr. P. Shyamala** Associate Professor & Head of MBA	:	Member

5.	**Mrs. S. Mary Helan Felista** Assistant Professor & Head of MCA	:	Member
6.	**Dr. D. Janet Vasanthakumari** Director of Counselling, MS Chellamuthu Institute of Mental Health and Rehabilitation, Madurai	:	Counsellor

ANTI-RAGGING COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. J. Arul Mary** Vice-Principal - I (Shift - II)	:	Member
3.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Coordinator
4.	**Dr. N. Asha** Assistant Professor Department of MBA	:	Member
4.	**Dr. R. Smeeta Mary** Assistant Professor Department of MCA	:	Member
5.	**Ms. K. Vibhacini** II MBA	:	Students' Representative
6.	**Ms. S. Swethaa** II MCA	:	Students' Representative

INTERNAL COMPLIANCE COMMITTEE

PREVENTION, PROHIBITION AND REDRESSAL OF SEXUAL HARASSMENT

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. M. Fatima Mary** Vice-Principal - I (Shift - I)	:	Member
3.	**Dr. Sr .J. Arul Mary** Vice-Principal-I (Shift - II)	:	Member
4.	**Dr. R. Velankanni Matharasi** Directress of Physical Education	:	Coordinator

5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Ms. K. Radhamagesh** Sub-Inspector of Police, Central Crime Branch, Madurai	:	External Member
8.	**Sr. A. Amala** Advocate, Madras High Court, Madurai Bench	:	External Member
9.	**Dr. R. Suganya** Assistant Professor Department of MBA	:	Member
10.	**Mrs. S. Jebapriya** Assistant Professor Department of MCA	:	Member
11.	**Mrs. A. R. Jacintha**	:	Superintendent
12	**Ms. K. Vibhacini** II MBA	:	Students' Representative
13.	**Ms. S. Swethaa** II MCA	:	Students' Representative

CELL FOR COMPLAINTS ON CASTE DISCRIMINATION (CCCD)

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. S. Fatima Rosaline Mary** Head, Department of Commerce	:	Coordinator
3.	**Dr. Sr. J. ArulMary** Vice-Principal - I (Shift - II)	:	Member
4.	**Dr. M. Meenachi** Head, Department of BBA	:	Member
5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member

6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Mrs. S. Selvarani** Assistant Professor of MCA & Head of BCA	:	Member

INSTITUTION'S INNOVATION COUNCIL (IIC)

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
3.	**Sr. F. Arockia Mary** Office Manager (Shift - I)		Member
4.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member
5.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
6.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Member
7.	**Ms. K. Vibhacini** II MBA	:	Students' Representative
8.	**Ms. S. Swethaa** II MCA	:	Students' Representative

ENTERPRISE RESOURCE PLANNING

1.	**Mrs. S. Jebapriya** Assistant Professor of MCA	:	Coordinator
2.	**Dr. Ancemma Joseph** Assistant Professor of Physics	:	Member
3.	**Mrs. B. Usha** Assistant Professor of MCA	:	Member
4.	**Dr. T. Vasantha** Assistant Professor of Computer Science	:	Member
5.	**Dr. B. Poornima Sethupathi** Assistant Professor of History	:	Member

MEDIA CELL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Coordinator
3.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor Department of MCA	:	Coordinator
4.	**Dr. R. Suganya** Assistant Professor Department of MBA	:	Member
5.	**Dr. R. Smeeta Mary** Assistant Professor Department of MCA	:	Member

INTELLECTUAL PROPERTY RIGHTS (IPR) CELL

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. S. J. Kala** Dean of Research	:	Coordinator
3.	**Ms. K. Malarvizhi** Patenting Agent	:	External Expert
4.	**Dr. M. Nagarenitha** Assistant Professor Department of MBA	:	Member
5.	**Mrs. S. Jebapriya** Assistant Professor Department of MCA	:	Member

INTERNAL COMPLAINT COMMITTEE

1.	**Dr. Sr. G. Celine Sahaya Mary** Principal	:	Chairperson
2.	**Dr. Sr. A. Jospin Nirmala Mary** Controller of Examinations	:	Member
3.	**Sr. S. Stella Arul Mary** Office Manager (Shift - II)	:	Member
4.	**Dr. P. Shyamala** Head & Associate Professor Department of MBA	:	Member
5.	**Mrs. S. Mary Helan Felista** Head & Assistant Professor, Department of MCA	:	Member
6.	**Ms. K. Vibhacini** II MBA	:	Students' Representative
7.	**Ms. S. Swethaa** II MCA	:	Students' Representative

HIGHLIGHTS OF PROFESSIONAL PROGRAMMES

MBA PROGRAMME

The AICTE approved professional course MBA was started in the year 1996. Master of Business Administration (MBA) is a two year programme with 4 semesters. It offers 7 specializations namely Marketing, System, Finance, Human Resource, Production, Hospital Management and International Business Management in the II year to cater to the needs of the Corporate. As add-on credit the programme offers self learning papers and soft skills.

MCA PROGRAMME

The AICTE approved professional programme MCA (Masters in Computer Applications) was started in the year 1994. The programme covers technical as well as managerial aspect of computer applications including 6 months industrial training. By means of CBCS, students are encouraged to earn credits based on their selection of courses even beyond their curriculum. NPTEL/ SWAYAM/MICROSOFT CERTIFICATIONS are also provided to earn extra credits. Specialization Electives based on three latest domains such as Artificial Intelligence & Machine Learning / Data Analytics/ Distributed System Security are provided to help students specialize on their interested domain.

Personality Development

Case analysis, Presentation and Group Discussion are Conducted regularly to trigger the students' communication skills and generate insights of ideas and opinions. Situational Analysis,

Management Games & Role play are conducted to develop the decision making skill among the students.

Seminar

To Create and disseminate Professional knowledge in diverse fields, the departments are striving to keep pace with the developments that are taking place in the rapidly changing corporate environment by organising and participating in various International, National Conferences and Seminars in the College premises and in other colleges.

Workshop

Since its inception the Professional Department have been dedicating its facilities for conducting significant and socially relevant research oriented workshops. It is ensured that the students will get theoretical knowledge as well as extensive practical exposure on latest management concepts and technical skills that are trending in the industry like E-commerce, Knowledge Management, Artificial Intelligence, Machine Learning, Block Chaining, Analytics, Research, Sustainability and many more through real life projects.

Guest Lecture and Industrial Visit

Guest Lectures are regularly given by experts from various fields of specialization. Their interaction with the students by sharing their experiences facilitates greater learning and orientation of applying the concepts. Industrial visits to reputed industries and organizations are a part of the curriculum that helps to understand the industrial needs to bridge the gap

between Industry and Academia. MoU's have been signed with industries to provide training to the students.

Placement

There exists a high degree of emphasis on maintaining close liaison with the industry and other corporate employers. Interactions of the students with professionals from industry are arranged regularly. Mock Interview sessions are arranged for grooming up the students. A greater number of our students receive their offer letters even before the Final Exams. The active follow-up efforts made by the Department with the recruiters' network make it possible. Regular Pre–Placement training, Enrichment lectures and Technical events are organized to enhance both Off-Campus and On-Campus placements.

Library

Fatima College has an excellent computerized main Library named "Rosa Mystica" with a collection of 1,36,681 volumes. The library subscribes 93 periodicals of National and International. As E-Resources there are N-List & JGate(6000 + Journals and 200000 + Books). In Library there is an EBSCO academic book collection plagiarism software – Drillbit (UGC approved) E-book. The Departmental library has an impressive and exhaustive collection of 13,406 volumes of books and subscribes 51 journals and periodicals in the field of General Management, Analytics, Information Technology and Computer Application. The Departments are also equipped with audio visual aids to enrich knowledge in the area of management and information

technology and Reprography facility.

Computer Lab

Based on the corporate requirements students are allowed to use computer laboratory with latest software tools, Language Laboratory and high speed Wi-Fi that facilitates learning of the current technologies.

Hostel Accommodation

Hostel is located within the premises of the College. Prospectus and application form for admission to the hostel can be availed at the time of admission to the MBA / MCA programme. Vegetarian / Non-Vegetarian food is provided.

Faculty

The faculty members are qualified as per the norms of AICTE and UGC with professional experience in industries. We also have host of professionally qualified visiting, guest faculties and practicing managers. Our faculty members regularly update their competency by participating in Conferences, Seminars, Symposium and other Faculty Development Programmes / Quality Improvement Programmes. They utilize all these skills to hone up the development of future Executives / Managers / IT aspirants as personally, professionally and socially responsible personalities.

Class Rooms and Seminar Hall

Students – Centred Pedagogy enabled with well furnished Infrastructure, ICT enabled class rooms, Smart class rooms, Seminar Halls and Auditoriums.

ACADEMIC INFORMATION

Fatima College introduced Choice Based Credit System (CBCS) in 2001. Since then, the college has raised the bar of Higher Education and has catered to the needs of the stakeholders offering a learner-centric curriculum in the digital era. The College moved from content - based to competency-based Curriculum - Outcome Based Education under CBCS in 2019. This learner-centric teaching pedagogy measures the students' performance through the respective course / programme outcomes after a considerable period of time. The course / programme outcomes are realised based on the knowledge, skills and attitudes acquired by the learner shaping them into inquisitive researchers, topical innovators, befitting employees of the upcoming job markets and above all better citizens of this global village.

Academic flexibility and academic mobility are provided to the learners through cafeteria/automat approach by enabling them choose the following:

- Non-Major Electives
- Inter-Departmental Courses
- Add-on Courses
- Extra-Credit Courses
- Skill-Embedded Courses/Ability Enhancement Courses/Value-Added Courses

- Project Team-mates and Supervisors
- Research Guides and Supervisors
- Part-V

Based on the potentials of an individual learner, hailing from a pluralistic community,

- Blended/Flipped learning is promoted. Learning is made exciting, enjoyable and fun-filled, facilitating application of the knowledge and the skills acquired as well as by promoting vertical and horizontal mobility.
- Holistic education is offered in the multi-cultural/ multi-religious context with a special focus on building a better society through the following Ability Enhancement Compulsory Courses:
    - Foundation Courses
    - Value Education
    - Professional Ethics
    - Personality Development
    - Environmental Studies
    - Gender and Environment
    - Family Life Education
    - Life skills
    - Human Rights
    - Soft Skills

- A conducive research ambience is created and hands-on-trainings are given by mandating projects and internships
- Contemporary courses with Local, Regional, National, and Global relevance are rolled out in the respective programmes in keeping with the emerging trends and by fulfilling the futuristic demands of the stakeholders.

MBA CURRICULUM DESIGN

Semester	Courses	No. of Courses	Hours	Credits	Total Credits
I – IV	Major Core	15	4	4	60
III – IV	Elective	5	5	5	25
III	Internship	1	4 Weeks	4	4
III	Live Project*	1	3	4	4
IV	Main Project	1	8 Weeks	5	5
IV	Dissertation	1	5	5	5
I - IV	Soft Skills**	4	2	8	8
I - IV	Comprehensive Viva	4		4	4
TOTAL CREDITS (Mandated)					**115**

* Students undergo Live Project in a corporate organization on every Thursday afternoon.

** Soft Skills on Executive Communication, Managerial Skills, Business Ethics, and Managerial Environment

ADD - ON CREDITS (OFF - CLASS)

Semester	Courses	Credits
III	Parakh (AICTE)	2
III	Business Analytics(NSE)	2
	TOTAL CREDITS	**4**
	OVERALL CREDITS EARNED	**115+4=119**

MCA CURRICULUM DESIGN

Semester	Courses	No. of Courses	Hours	Credits	Total Credits
I – IV	Major Core (including practicals)	16	4-6	3-4	58
I – IV	Elective	6	4	4	24
I – IV	Skill Based Lab	3	2	1	3
III	Internship & Mini Project	1	4 weeks	6	6
IV	Project	1	1 Semester	12	12
I - IV	Soft Skills	3	2	2	6
I - IV	Comprehensive Viva	3	-	1	3
TOTAL CREDITS					**112**

ADD - ON CREDITS (OFF - CLASS)

Semester	Courses	Credits	Marks
III	Parakh (AICTE)	2	100
I - IV	NPTEL / SWAYAM	2	100
TOTAL CREDITS		4	
OVERALL CREDITS EARNED		**116**	

THE EXAMINATION SYSTEM

The current system of evaluation is based on the CBCS (Choice Based Credit System) guidelines given by the Department of Higher Education, Tamil Nadu Government.

OUTCOME BASED EDUCATION (OBE)

The two components of the evaluation are:

CIA (Continuous Internal Assessment) = 50 Marks

CIA Components		No of Tests	Marks
C1	Test (CIA 1)	2 *	10
C2	Test (CIA 2)	1	15
C3	Assignment/ Open Book Test	2	10
C4	Seminar	1	10
C5	Attendance	1	5
		CIA Total	**50**

The Average of two will be taken into account

ESE (End Semester Examination) = 50 Marks

Retest is not offered as a rule

- If a student is absent for either of the tests, the available marks will be divided by two and taken as the test mark for that course.
- A student who is absent for a test on medical grounds, has to seek special permission from the Principal, through the Head of the department to write a retest.

END SEMESTER EXAMINATIONS

The date of the commencement of the End Semester Examinations is printed in the College Calendar. The detailed Time Table for regular and supplementary papers will be published in the College Website three weeks before the commencement of the examinations. A copy of the time table will be displayed on the notice board also.

OBE	P.G.
External pass minimum	23 / 50=50%
Aggregate pass minimum	50 /100=50%

Candidates who have passed with repeat attempts are not eligible for Distinction.

SUPPLEMENTARY EXAMINATION FOR CLEARING ARREARS

- Current students and private candidates **can appear.**
- The July **supplementary** examination is only for the outgoing students who have arrears in the end semester examination of the final semester courses.
- The college administrative office has to be contacted regarding registration for the supplementary examinations.
- The time table for the same will be posted in the College Website.
- Application forms for writing supplementary examination should be signed by the respective Head of the Department.

- A photocopy of the last received Mark Sheet should be submitted along with the application form.
- **Number of attempts allowed for Passing in the same syllabus: 1+4 chances are allowed.** After that, a candidate can write the examination only in the current syllabus of the Course / current equivalent Course.
- Students, who have exhausted the permissible chances, must contact the Head of the Department and in consultation with her can appear for the current equivalent course only.
- The date for registration of supplementary examinations is printed in the college calendar and ten working days are allowed to register for the same. Late registration will not be permitted.

For all examinations, the students' Identity Card should be presented as Hall Ticket. If the ID card is lost, the candidate must apply to the Principal for a replacement.

REVALUATION OF ANSWER SCRIPTS

Students who have failed and wish to apply for revaluation, should contact the college Administrative Office within 7 working days after the publication of results, to get the application form and details of fee for revaluation. Revaluation results will be forwarded to their residential address within ten days after the last day of application for revaluation.

CIA IMPROVEMENT

- A student who has passed in the End Semester Examination but has failed because of getting less than the aggregate minimum 50/100, can avail this provision at the beginning of any semester.

- CIA improvement can be attempted in any semester for any Course.

- The students must contact the Administrative Office at the beginning of each semester to register for CIA improvement for odd /even semester Courses. **The candidate must register for CIA improvement before CIA2 and after that registration will not be allowed.**

- **After registering and duly paying the fees, the candidate should be in contact with the Department for information on the dates of the Tests, Seminar, Assignment and other CIA components.**

MALPRACTICE DURING END SEMESTER EXAMINATIONS

- Malpractice (possession of papers or any other material with hints / copying / insertion of pre written answer paper, giving and receiving help) will be punished. If a student finds any in criminating material (bits of papers with hints) near her seat, she should report it immediately to the Hall Supervisor.

- A candidate who commits malpractice has to face an enquiry committee comprising the Principal, Vice-Principals, Controller of Examinations, Deans and HOD, with her parents, who will be informed of the nature of punishment.

First time offence- Cancellation of examination taken in the particular course. The candidate will be debarred from appearing for that course for one subsequent examination.

Repeat offence- Cancellation of examination of all courses registered for that semester. The candidate will be debarred from appearing for these courses for one subsequent examination.

MALPRACTICE DURING CENTRALISED TESTS

First time offence

If a student indulges in malpractice either during CIA 2 for the first time in her period of study, the test taken will be cancelled and no marks will be awarded for that course. During consolidation of marks for that course, the available mark will be divided by 2, and taken as test average.

Repeat offence

If a student indulges in malpractice either during CIA 2 for the second time in her period of study, all the tests she had written in that schedule will be cancelled and no marks will be awarded for any of the courses. During consolidation of marks for all courses, the available mark for one test will be divided by 2, and taken as test average.

GENERAL DISCIPLINE

- Refer to the notice boards for the room allotments of classes, test & exam timetables and other general information.
- Be silent and attentive during classes, academic and other common gatherings.
- Make every newcomer feel at home treating them in a friendly and caring manner.

- Wear ID card inside the campus.
- Bring the Handbook daily.
- Be punctual to classes.
- Students entering the college after the assembly should meet the Vice-Principal and must sign in the Late Register. If it is more than three times she should bring her parents.
- **A student, who does not return on the reopening day after holidays, shall face disciplinary action.**
- Students should safeguard the dignity of womanhood and the good name of the college.
- Follow Road safety measures and traffic rules strictly while commuting to college by a 2-wheeler or4-wheeler.
- Park Two wheelers in an orderly manner in the Two wheeler shed only.
- Strictly ensure possession of driving license and insurance of the vehicle.
- Safeguard college property with utmost care and concern upholding the sense of belongingness to Fatima.
- Take care of money, gold ornaments or other valuables that are brought to the campus. The College is not responsible for the loss or damage of the same.
- Do not waste water & electricity.
- Do not scribble on furniture & walls.
- Take meals outside classrooms only.
- Do not collect funds privately or sell any sort of items.
- Do not put up any notice without prior permission

from the Principal.

- Be courteous, kind, loyal, compassionate towards the less fortunate, friendly towards peers, respectful to teachers and authority and possess dignity of labour.

- **Breaking of rules would lead to fine / suspension / dismissal.**

Infirmary

- A student should get permission from the Course Teacher and inform the class teacher if she has to spend an hour in the infirmary. In case of a hosteller, she must go to the hostel infirmary.

Dress code

- Wear clean, decent clothes and conform to the rules of modesty.

- **All students are expected to come in Blazer on Monday, Uniform jean & top on Wednesday and Cotton Saree on Friday.**

- Wear Saree / Salwar - Kameez with Dupatta.

- Have one set of **Perfect white Chudidhar / Salwar – Kameez with Dupatta.**

Eco-friendly campus

- Keep the classrooms and campus clean and Eco-friendly.
- Make the campus “Plastic Free”

Indulging in any of the following will result in dismissal from the college:

- Ragging of any sort or indulging in emotional violence inside the College / Hostel Campus.

- Leaving the college / hostel without prior & proper

permission from the authorities.

Attendance

- Every Fatimite shall have **80% of minimum attendance** per Semester to take the End Semester Examinations.
- Students who have less than 80% of attendance, but above 65% shall pay Rs.360/- as per University rule, towards condonation fee and will be allowed to appear for End Semester Examinations.
- **Students with less than 65% of attendance will have to repeat the Semester after completing the Degree Programme.**
- Students participating in Co-curricular / Extracurricular activities should contact the respective authorities who will seek permission from the Principal / Warden (in the case of resident students) for attendance.

LEAVE:

- Students should apply for leave only using the prescribed leave application format in the College Calendar.
- In case of absence due to unforeseen reasons, leave letter should be submitted to the class teacher on the first day of returning to the College.
- If leave is requested for reasons of sickness for more than two days, the leave application should be submitted along with the Medical Certificate.
- Continued absence without leave application will render a student liable to have her name struck off the rolls.

Note: ***Submission of Leave Application with / without Medical Certificate does not entitle a student to earn attendance automatically for the days of her absence from the College.***

FATIMA COLLEGE PARENTS' INFORMATION GROUP (FCSMS)

- An Information Alert to parents is given through **FCSMS**. It has been created to send bulk messages to parents about their wards' absence from college / classes, internal and external test scores and various activities of the college.

SEMESTER FEES REGULATIONS:

- **Semester fees shall be paid without fine within 10 working days and with fine within 30 days from the date of reopening of each semester.**
- Absence from College with or without leave will not be considered as an excuse for late payment.
- If the Semester fees is not paid within 30 days after the reopening, the student's name shall be struck off the rolls of the college.
- If readmitted she shall pay a readmission fee in addition to the fees along with a fine.
- Every student shall pay the Semester fees due even if she discontinues before completing the Semester.
- If a student leaves the college during the Semester, she shall not have the right to claim a remission / refund of any portion of the fees.
- If a scholarship holder leaves the College during the Semester she will not get the scholarship even if the money is sanctioned, as it will be returned to the scholarship source.

NO DUES:

Clearance of attendance fees due is a prerequisite for:

- Appearing for End Semester Examinations.
- Getting Transfer Certificate from the College.

CERTIFICATE:

- A former or present student desiring to obtain a certificate (transfer, age, character, bonafide, etc.) shall apply for it, through a formal written request to the Principal.
- Any Certificate will generally not be issued in less than 24 hours' notice.

SAN JOSE LIBRARY

Besides the Rosa Mystica Library the College has an excellent computerized Library named "San Jose" with a collection of 33,027 Books. The library subscribes 43 periodicals of both national and international standard. The library has an impressive and exhaustive collection of books related to Management Studies and Computer Applications.

Working Hours:

All Working Days (including Saturdays): 9:00 a.m. to3:30 p.m.

Dos

- Keep personal books or any printed materials and other personal belongings like bags, umbrellas and others in the **Property Counter** before entering the library.
- Enter the library only on producing the ID Card.
- Maintain absolute silence in the library.

- Borrow books as follows:

Departments	No. of Books that can be borrowed	No. of days Books can be used
PG	15	14
STAFF	25	Per Semester

- Check the pages of book(s) to be borrowed before leaving the library counter. The last borrower will be held responsible for the missing page(s), scribbling, underlining and any other damages in the book.
- Return the Books on the due date stamped on the date sheet of each book, if not, fine will be charged as per rules. Re. 1 will be charged per day for books overdue.
- Return the books personally.
- Obtain no due certificate from the librarian while discontinuing from a programme.
- Reference books / Journals / Dissertations / Theses can be accessed and referred to only in the library.
- E-materials can be used in the library
- Use the library computers for academic purpose.
- Follow the internet safety guidelines.

Don'ts

- Do not sub-lend books.
- Do not reshelve.
- Do not misuse, wrongly handle or lose a library book, in any of such cases the borrower will have to replace the book and pay a processing fee.
- Do not leave precious and valuable items like money, laptop and the like at the Property Counter.
- Do not tamper with the computer settings.

- Do not eat or drink inside the library.

RESIDENT STUDENTS

- Refer to the Wardens all matters pertaining to the Hostel.
- Actively participate in the various programmes specially organized for the overall development of the resident students.
- Strictly follow the rules and regulations of the hostel.
- Take care of the furniture and other amenities in the hostel. Any damage to hostel property and furniture shall be charged from the students / group at fault.
- After any holiday, return to the hostel on the evening prior to the reopening day itself.
- Obtain a written permission from the Hostel authorities before leaving or vacating the hostel for a valid reason.
- Do not put up any notice or convene meetings of any kind anywhere in the campus without prior permission from the Hostel authorities.

PROGRAMMES OFFERED			
PROFESSIONAL PROGRAMMES			
M.B.A. & M.C.A.		**9 A.M. – 3:30 P.M.**	

PROFESSIONAL PROGRAMMES

DEPARTMENT OF MASTERS IN BUSINESS ADMINISTRATION (MBA)	
1.	Dr. Sr. G. Celine Sahaya Mary, M.B.A., FDP., Ph.D., D.Litt. **(Principal / Director)**
2.	Dr. P. Shyamala, M.B.A., M.Phil., PGDCA., NET, SET, Ph.D. **(HOD)**
3.	Dr. N. Asha, M.B.A., M.Com., M.Phil., CBCPS, NET, SET, Ph.D.
4.	Dr. L. Meena, M.B.A., M.Phil., NET, SET, Ph.D.
5.	Dr. M. Nagarenitha, M.B.A., M.Phil., NET, SET, Ph.D.
6.	Dr. B. Jayanthi, M.B.A., M.Phil., Ph.D.
7.	Dr. R. Suganya, M.B.A., M.Com., M.Phil., PGDCM., NET., Ph.D.
VISITING FACULTY	
8.	Dr. M. Meenachi, B.E., M.H.M., M.Phil., SLET, Ph.D. Assistant Professor & Head Department of Business Administration Fatima College (Autonomous), Madurai
9.	Mr. B. T. Bangera Managing Director, Hi-Tech Arai Pvt. Ltd., Madurai
10.	Mr. P. V. Raja Rajeswaran, B.Com., FCA., BL. Chartered Accountant.
DEPARTMENT OF MASTERS IN COMPUTER APPLICATIONS (MCA)	
11.	Mrs. S. Mary Helan Felista, M.C.A.,M.Phil., SET, NET, (Ph.D.) **(HOD)**
12.	Dr. R. Smeeta Mary, M.C.A., M.Phil., Ph.D.
13.	Mrs. S. Jebapriya, M.C.A., M.Phil., SET, (Ph.D.)
14.	Mrs. B. Usha, M.Sc., M.Phil.,M.Tech., SET, (Ph.D.)

15.	Mrs. S. Selvarani, M.C.A., M.Phil., NET, SET, (Ph.D.)
16.	Mrs. P. Nancy Vincentina Mary, M.C.A., M.Phil., NET, (Ph.D.)
VISITING FACULTY	
17.	Dr. S. Vidya, M.Sc., M.Phil., Ph.D. Associate Professor & Head Department of Computer Science Fatima College (Autonomous), Madurai
18.	Dr. J. Suganthi, M.E., Ph.D. Assistant Professor Department of Computer Science, School of Sciences Christ (Deemed to be) University, Bengaluru.
19.	Mr. G. Sahayaraj, MCA. Principal Software Engineering IT, DELL International Services, Bengaluru.
CONTROLLER OF EXAMINATIONS	
20.	Dr. Sr. A. Jospin Nirmala Mary, M.Com., B.Ed., Ph.D.
21.	Dr. A. Vimala, MCA.,SLET.,Ph.D. (Assistant Controller)
PLACEMENT OFFICER	
22.	Mr. H. Vincent, M.A (HRM)., M.Sc.,(Psy), PGDG&C, PGDFM, PGDMM, DLL&AL

SPECIAL COORDINATORS

1.	Dr. M. Nagarenitha Dr. R. Smeeta Mary	:	Guest Lectures
2.	Dr. L. Meena Mrs. P. Nancy Vincentina Mary	:	Placements
3.	Dr. N. Asha Mrs. B. Usha	:	Institution Industry Cell
4.	Dr. B. Jayanthi Dr. R. Smeeta Mary	:	First Aid
5.	Dr. R. Suganya Mrs. S. Jebapriya	:	Calendar
6.	Dr. R. Suganya Mrs. P. Nancy Vincentina Mary	:	Library
7.	Dr. R. Suganya Mrs. B. Usha	:	Discipline

JUNE – 2024

Date	Day	Particulars
1	Saturday	
2	Sunday	
3	Monday	
4	Tuesday	
5	Wednesday	*World Environment Day*
6	Thursday	
7	Friday	
8	Saturday	
9	Sunday	
10	Monday	
11	Tuesday	
12	Wednesday	
13	Thursday	
14	Friday	
15	Saturday	
16	Sunday	
17	Monday	*Bakrid*
18	Tuesday	
19	Wednesday	**Academic year begins for II MBA & II MCA**
20	Thursday	
21	Friday	*International Yoga Day*
22	Saturday	Faculty Enrichment Programme
23	Sunday	
24	Monday	
25	Tuesday	
26	Wednesday	
27	Thursday	
28	Friday	
29	Saturday	
30	Sunday	

"Speak neither well nor ill of yourself without necessity"

Maxim : 10

WD: 8

JULY – 2024

Date	Day	Particulars
1	Monday	**Academic year begins for I MBA & I MCA – Induction Programme**
2	Tuesday	**72nd Birthday of the College / Bridge Course Begins – I MBA & I MCA**
3	Wednesday	
4	Thursday	
5	Friday	**Mini Project Review 1 – II MCA**
6	Saturday	
7	Sunday	
8	Monday	**Bridge Course Ends – I MBA & I MCA**
9	Tuesday	
10	Wednesday	
11	Thursday	
12	Friday	
13	Saturday	**Annual Alumnae Meet 2024**
14	Sunday	
15	Monday	Mentoring – II MBA
16	Tuesday	**Students' Council Inauguration**
17	Wednesday	*Muharram*
18	Thursday	
19	Friday	Last date to pay the fees with fine
20	Saturday	Mentoring – II MCA
21	Sunday	
22	Monday	
23	Tuesday	
24	Wednesday	Last date to register for CIA improvement
25	Thursday	
26	Friday	**Mini Project Review 2 – II MCA**
27	Saturday	
28	Sunday	
29	Monday	
30	Tuesday	
31	Wednesday	

"In everything and everywhere, have only God, God's will and God's glory before your eyes and make no account of anything else". Maxim : 16

WD: 23

AUGUST – 2024

Date	Day	Particulars
1	Thursday	
2	Friday	
3	Saturday	Catechism
4	Sunday	
5	Monday	
6	Tuesday	*Hiroshima Day*
7	Wednesday	
8	Thursday	
9	Friday	
10	Saturday	**Mentoring – II MCA**
11	Sunday	
12	Monday	*International Youth Day /*
13	Tuesday	
14	Wednesday	
15	Thursday	*Independence Day*
16	Friday	**Mentoring – I MBA**
17	Saturday	**Mentoring – I MCA**
18	Sunday	
19	Monday	*CIA 2 Begins – II MBA & II MCA*
20	Tuesday	
21	Wednesday	
22	Thursday	
23	Friday	
24	Saturday	
25	Sunday	
26	Monday	*Krishna Jayanthi*
27	Tuesday	*CIA 2 Begins – I MBA & I MCA*
28	Wednesday	**Mini Project Review 3 – II MCA**
29	Thursday	*National Sports Day*
30	Friday	
31	Saturday	

"Make your commitment to live in the practice of the most sincere, true and profound humility possible to you".

Maxim : 3

WD: 22

SEPTEMBER – 2024

Date	Day	Particulars
1	Sunday	
2	Monday	Registration for End Semester Examination Begins (Regular, Supplementary & Private Candidates)
3	Tuesday	
4	Wednesday	Mentoring – I MBA
5	Thursday	**Teachers' Day Celebration**
6	Friday	
7	Saturday	Students Retreat, *Vinayakar Chathurthi*
8	Sunday	*International Literacy Day*
9	Monday	
10	Tuesday	
11	Wednesday	Symposium - MBA
12	Thursday	Registration for End Semester Examination Closes
13	Friday	
14	Saturday	**Industrial Visit & Educational Tour – MBA & MCA**
15	Sunday	*International Day of Democracy*
16	Monday	*Milad-un-Nabi, World Ozone Day*
17	Tuesday	
18	Wednesday	
19	Thursday	
20	Friday	
21	Saturday	*Mentoring – I MCA*
22	Sunday	*World ROSE Day – (Welfare of Cancer Patients)*
23	Monday	
24	Tuesday	
25	Wednesday	
26	Thursday	
27	Friday	*World Tourism Day / Conference – MBA & MCA*
28	Saturday	Intercollegiate Meet (Brilz – MBA & Sizzlers – MCA)
29	Sunday	
30	Monday	

"Choose to make others happy and do it joyfully"

Maxim : 50

WD: 22

OCTOBER – 2024

Date	Day	Particulars
1	Tuesday	
2	Wednesday	*Gandhi Jayanthi*
3	Thursday	
4	Friday	*World Animal Welfare Day / Placement Workshop – MBA & MCA*
5	Saturday	**Founder's Day & Fatima Day Celebration,** *World Post Day* , *World Teachers' Day*
6	Sunday	
7	Monday	**Mini Project Viva Voce – II MCA**
8	Tuesday	*Indian Air Force Day*
9	Wednesday	*Mentoring – II MCA*
10	Thursday	
11	Friday	*International Day of the Girl Child, Ayudha Pooja*
12	Saturday	*Vijayadashami*
13	Sunday	
14	Monday	*Mentoring – I MBA*
15	Tuesday	*World Students' Day*
16	Wednesday	*World Food Day* / ***Placement Workshop - MCA***
17	Thursday	*International Day for the Eradication of Poverty*
18	Friday	
19	Saturday	
20	Sunday	
21	Monday	
22	Tuesday	**Final Consolidation**
23	Wednesday	
24	Thursday	**Last Working Day** , *United Nations Day*
25	Friday	
26	Saturday	
27	Sunday	
28	Monday	**End Semester Examination Begins**
29	Tuesday	
30	Wednesday	*Thevar Jayanthi*
31	Thursday	*National Unity Day, Deepavali*

"Desire neither praise nor reward for your good works in this life and you will have deeper and fuller life in eternity". **Maxim : 21**

WD: 17

NOVEMBER – 2024

Date	Day	Particulars
1	Friday	*All Saints' Day*
2	Saturday	*All Souls' Day*
3	Sunday	
4	Monday	
5	Tuesday	
6	Wednesday	
7	Thursday	
8	Friday	
9	Saturday	
10	Sunday	
11	Monday	
12	Tuesday	
13	Wednesday	
14	Thursday	
15	Friday	
16	Saturday	
17	Sunday	
18	Monday	**College Reopens for Even Semester** **Project Period Begins – II MBA & II MCA & Proficiency Enhancement Programme (PEP)**
19	Tuesday	
20	Wednesday	
21	Thursday	
22	Friday	
23	Saturday	
24	Sunday	
25	Monday	*International Day for the Elimination of Violence against Women*
26	Tuesday	Project Review 1 – II MCA
27	Wednesday	
28	Thursday	
29	Friday	
30	Saturday	Staff Retreat

"Love nothing but God and what can be called divine".

Maxim : 23

WD: 10

DECEMBER – 2024

Date	Day	Particulars
1	Sunday	Staff Retreat, World AIDS Day
2	Monday	Last date to pay the fees without fine
3	Tuesday	*International Day of Persons with Disabilities*
4	Wednesday	
5	Thursday	
6	Friday	
7	Saturday	Catechism
8	Sunday	
9	Monday	
10	Tuesday	*Human Rights Day*
11	Wednesday	
12	Thursday	
13	Friday	Project Review 1 – II MBA
14	Saturday	**Fine - Arts Day**
15	Sunday	
16	Monday	Last date to pay the fees with fine
17	Tuesday	
18	Wednesday	
19	Thursday	
20	Friday	
21	Saturday	Mentoring – I MBA & I MCA
22	Sunday	
23	Monday	**Christmas Celebration**
24	Tuesday	Christmas Vacation begins
25	Wednesday	*Christmas*
26	Thursday	
27	Friday	
28	Saturday	
29	Sunday	
30	Monday	
31	Tuesday	

"In your undertakings, see to it that God alone is your inspiration and your goal".

Maxim : 34

WD: 18

JANUARY – 2025

Date	Day	Particulars
1	Wednesday	*New Year*
2	Thursday	
3	Friday	College Reopens after Christmas Vacation
4	Saturday	
5	Sunday	
6	Monday	Last date to register for CIA improvement
7	Tuesday	Mentoring – I MBA
8	Wednesday	CIA 2 Begins – I MBA & I MCA
9	Thursday	
10	Friday	
11	Saturday	
12	Sunday	
13	Monday	College Reopens after Project – II MBA
14	Tuesday	*Pongal*
15	Wednesday	*Thiruvalluvar Day*
16	Thursday	*UzhavarThirunal*
17	Friday	*Mentoring – II MBA & Project Review 2 – II MCA*
18	Saturday	**Pongal Celebration**
19	Sunday	
20	Monday	
21	Tuesday	*Outbound Training – I MBA*
22	Wednesday	
23	Thursday	
24	Friday	
25	Saturday	**Hostel Day**
26	Sunday	*Republic Day*
27	Monday	
28	Tuesday	*Outbound Training – I MCA*
29	Wednesday	
30	Thursday	
31	Friday	

"Let your affections and actions be guided by reason and duty not by caprice and naturalinclinations".

Maxim : 36

WD: 21

FEBRUARY – 2025

Date	Day	Particulars
1	Saturday	Catechism
2	Sunday	
3	Monday	Registration for End Semester Examination Begins (Regular, Supplementary & Private Candidates)
4	Tuesday	Career Guidance Workshop - MCA
5	Wednesday	Symposium - MBA
6	Thursday	
7	Friday	
8	Saturday	Zeal O' Fest - MCA
9	Sunday	
10	Monday	Project Review 3 – II MCA
11	Tuesday	*Thaipusam*
12	Wednesday	
13	Thursday	
14	Friday	Registration for End Semester Examination Closes
15	Saturday	
16	Sunday	
17	Monday	
18	Tuesday	
19	Wednesday	
20	Thursday	
21	Friday	**Industrial visit – MBA & MCA**
22	Saturday	**72nd Sports Day**
23	Sunday	
24	Monday	Mentoring – II MBA
25	Tuesday	
26	Wednesday	
27	Thursday	Executive Development Programme (EDP) – MBA & MCA
28	Friday	

"Be nothing to yourself and be utterly given to God and to the neighbour".

Maxim : 39

WD: 20

MARCH – 2025

Date	Day	Particulars
1	Saturday	Catechism
2	Sunday	
3	Monday	
4	Tuesday	Corporate Connect – MBA & MCA
5	Wednesday	
6	Thursday	
7	Friday	Professional Development Programme – MBA & MCA
8	Saturday	*International Women's Day*
9	Sunday	
10	Monday	
11	Tuesday	
12	Wednesday	
13	Thursday	
14	Friday	
15	Saturday	**72nd College day**
16	Sunday	
17	Monday	CIA 2 Begins - II MBA
18	Tuesday	
19	Wednesday	**St. Joseph's Feast**
20	Thursday	*World Water Day*
21	Friday	Management Development Programme - MBA
22	Saturday	Mentoring – I MCA & II MBA
23	Sunday	
24	Monday	**Practical Exams Begin**
25	Tuesday	
26	Wednesday	
27	Thursday	
28	Friday	Project Viva Voce – II MCA
29	Saturday	
30	Sunday	*Ugadi – Telugu New Year*
31	Monday	*Idul Fitr - Ramzan*

"Love nothing that is not eternal". **Maxim:40**
WD:20

APRIL – 2025

Date	Day	Particulars
1	Tuesday	**Students' Council Valediction**
2	Wednesday	*World Autism Awareness Day*
3	Thursday	Final Consolidation
4	Friday	**Last Working Day for I UG, II UG & I PG**
5	Saturday	**Candle Light Ceremony**
6	Sunday	
7	Monday	
8	Tuesday	
9	Wednesday	**End Semester Examination Begins**
10	Thursday	*Mahavir Jayanthi*
11	Friday	
12	Saturday	
13	Sunday	
14	Monday	*Tamil New Year, Dr. Ambedkar's Birthday*
15	Tuesday	
16	Wednesday	
17	Thursday	**Maundy Thursday**
18	Friday	**Good Friday**
19	Saturday	
20	Sunday	**Easter**
21	Monday	
22	Tuesday	
23	Wednesday	
24	Thursday	
25	Friday	
26	Saturday	
27	Sunday	
28	Monday	
29	Tuesday	
30	Wednesday	

"Give all the happiness you can to those who can give you a great deal of unhappiness and give it willingly". **Maxim : 51**

WD: 4

MAY – 2025

Date	Day	Particulars
1	Thursday	*International Workers Day*
2	Friday	
3	Saturday	
4	Sunday	
5	Monday	
6	Tuesday	
7	Wednesday	
8	Thursday	*World Red Cross Day*
9	Friday	
10	Saturday	
11	Sunday	
12	Monday	
13	Tuesday	
14	Wednesday	
15	Thursday	*International Day of Families*
16	Friday	
17	Saturday	
18	Sunday	
19	Monday	
20	Tuesday	
21	Wednesday	*World Day for Cultural Diversity for Dialogue & Development*
22	Thursday	
23	Friday	
24	Saturday	
25	Sunday	
26	Monday	
27	Tuesday	
28	Wednesday	
29	Thursday	
30	Friday	
31	Saturday	

"Interpret all things from the best possible point of view".

Maxim : 52

ACADEMIC COURSES WITH YEAR OF AFFILIATION

1.	1953	Intermediate
2.	1957-1958	B.A.History,B.A.English,B.A.Tamil,B.Sc.Mathematics,B.Sc.Physics,B.Sc. Chemistry & B.Sc. Zoology
3.	1960-1961	B.A. Sociology =>B.A. Sociology with Computer Applications (2009 - 2010)
4.	1961-1962	B.Sc. Home Science =>B.Sc. Home Science with Food Biotechnology (2008 - 2009)
5.	1964-1965	M.A. Economics & M.A. Tamil
6.	1975-1976	B.Com.
7.	1980-1981	M.Com.
8.	1986-1987	M.Sc. Physics
9.	1987-1988	B.A. Economics
10.	1988-1989	B.Sc. Computer Science
11.	1990-1991	M. Phil. Tamil
12.	1994-1995	M.C.A.
13.	1995-1996	B.B.A.
14.	1996-1997	B.Sc. Computer Science (SF), BCA (2005 - 2006)
15.	1996-1997	M.B.A.
16.	1998-1999	PGDCA
17.	2000-2001	B.Com. (SF) (2000 - 2001), B.Com. with Computer Applications (2001 - 2002)
18.	2002-2003	Diploma Course in Fashion Designing and Garment Construction
19.	2003- 2004	B.Sc. Mathematics (SF) & M. Phil. Economics
20.	2003- 2004	Ph.D. Tamil
21.	2004 - 2005	M.A. English & M.Sc. Human Nutrition and Nutraceuticals
22.	2005- 2006	M.S.W.
23.	2006- 2007	M.Sc. Mathematics & M. Phil. Commerce
24.	2007- 2008	M.Sc. Chemistry
25.	2008- 2009	B.Com. with Computer Applications – Additional Section & B.Sc.IT
26.	2010- 2011	Ph.D. Commerce
27.	2011-2012	M. Phil. English, Ph.D. English, Ph.D. Economics, B.A. English (SF) & B.Sc. Mathematics (SF) – Additional

		Section
28.	2012- 2013	M. Phil. Mathematics & M.Com. with Computer Applications
29.	2015- 2016	M.A. History, B.A. Journalism and Mass Communication
30.	2016 - 2017	B.Sc. Statistics, M.Sc. Computer Science, M.Sc. Zoology & M.Sc. CS & IT - Closed
31.	2017- 2018	Ph.D. Home Science
32.	2018- 2019	Ph.D. Physics
33.	2019- 2020	M.Sc. IT&M - Closed, M.Sc.IT - Started, B.Com. with Computer Applications – Additional Section- Closed & B.Com (SF) - Started
34.	2023- 2024	B.Com. (Honours), B.Com., Corporate Secretaryship– Started Ph.D. Chemistry - Started M. Phil. (Tamil, English, Mathematics, Economics, Commerce) - Closed B.Sc. Mathematics (SF) – Additional Section- Closed
35.	2024 - 2025	B.A. Journalism and Mass Communication – Closed, B.Sc. Visual Communication – Started M.Sc. Data Science

COLLEGE DAY AWARDS

- Every year on College Day, Students, Research Scholars and Staff are recognised with awards for their extraordinary performances in their respective fields.
- Academic Proficiency of Students is recognized by way of Endowment Prizes created by the Management, Retired Staff, Staff and the Alumnae.

Research Scholars:

- A Research scholar is awarded with the Best Performance student award.

MBA

1. Fatima College Golden Jubilee Endowment Prize instituted by Dr. Sr. Ignatius Mary, Former Principal, Fatima College for proficiency in all the semesters
2. Mother Rose Endowment Prize instituted by Fatima College for proficiency in the third semester
3. Mother Rose Endowment Prize instituted by Fatima College for proficiency in the second semester
4. Mother Rose Endowment Prize instituted by Fatima College for proficiency in the first semester

MCA

1. Fatima College Golden Jubilee Endowment Prize instituted by Dr. Sr. Ignatius Mary, Former Principal, Fatima College for proficiency in all the semesters
2. Mother Rose Endowment Prize instituted by Fatima College for proficiency in the third semester
3. Mother Rose Endowment Prize instituted by Fatima College for proficiency in the second semester
4. Mother Rose Endowment Prize instituted by Fatima College for proficiency in the first semester

AWARDS ON THE BASIS OF MERIT-CUM-MEANS.

MBA

1. Mr. A. C. Chockalinga Pandian Endowment Prize instituted by his daughter C. Laxmi Devi (2016-2018) Department of MBA to be awarded to a deserving student of II MBA on the basis of merit-cum-means.
2. Mrs. T. S. Sathiya Priya Endowment prize instituted by her daughter T. S. Kalpitaarani (2016-2018) Department of MBA to be awarded to a deserving student of II MBA on the basis of merit-cum-means.
3. Dr. Sr. G. Celine Sahaya Mary Endowment prize instituted by the students of 2016-2018 batch of MBA Department awarded to a deserving student of I MBA on the basis of merit-cum-means.
4. Dr. Sr. M. Francisca Flora Endowment prize instituted by the students of 2017-2019 batch of MBA Department awarded to a deserving student of I MBA on the basis of merit-cum-means.

MCA

1. Shobana Memorial Endowment Prize given to the II Year MCA student on the basis of merit-cum-means.
2. Miss A. Vijaya Memorial Endowment Prize instituted by MCA students of 2008-2011 to be awarded to a student of second MCA on the basis of merit-cum-means.

GENERAL PRIZES

1. A. Celine Pratiba, MCA Memorial Endowment prize instituted by her parents to the students of I MCA on the basis of merit.

INFRASTRUCTURE FACILITIES & STUDENT SUPPORT SYSTEM:

- Rosa Mystica Library
- Wi – Fi Enabled Campus
- Spacious, Well Ventilated & furnished Class Room
- Well – equipped Laboratory
- Auditoriums
- Language Laboratories
- ICT enabled Smart Classrooms
- Video Conferencing Hall
- Wellness Centre
- Gymnasium
- Incubation Centre
- Paper Recycling Unit
- Mushroom Cultivation Unit
- Vermi composting Unit
- Oil Extraction Unit
- Browsing Centre
- Reprography Centres
- Recording Studio
- Counselling Centre
- Prayer Hall
- Fatima Hostel
- Student Special Buses
- Instrumentation Centre
- Solar Powered Buildings
- Canteens
- Bank
- ATM

- Honesty Shop
- Safe Drinking Water (RO facility)
- Differently– abled Friendly Campus (Ramps, Wheel Chairs & Rest Rooms)
- Sports Facilities: Indoor & Outdoor Stadium
- Students Council
- Cultural Forum – Fine arts
- Remedial Programme
- Free noon meal for the deserving students
- Grievance Cell
- Mentoring
- FCSMS – Parent Alert – Messaging System
- Earn While You Learn Schemes
- Govt, Non– Govt and Institutional Scholarship & Freeship
- Career Guidance Cell (Training & Placement Cell)
- Students Research Forum

CANTEEN

No. of Canteens on Campus: 2

Name : Mother Rose Canteen & San Jose Canteen

Working Hours : 8:30 a.m. to 5:30 p.m.

Healthy Practice : Only Traditional Food and Beverages sold

BANK/BRANCH

Unit : Indian Bank, Fatima College, Extn. Counter, Koodal Nagar Branch

Location : College Campus

Working Hours : 10:00 a.m. to 3:30 p.m.
Lunch Break : 2:00 p.m. to 3:00 p.m.

COUNSELLING CENTRE

Counsellor : Dr. D. Janet Vasanthakumari

Location :Adjacent to Jubilee Hall

TYPE WRITING CENTRE

Location : Niveditha Block

Working Hours : 6:00 a.m. to 8:00 a.m. &
3:00 p.m. to 6:00 p.m.

FITNESS CENTRE

- To develop physical fitness components such as strength, muscular power, stamina, endurance, agility and coordination.
- To provide specific training to athletes and other players in order to promote leg strength, abdominal power and back muscle power.
- To impart training for body building and weightlifting
- Fitness Center accommodate the following:
  - Hip Twister
  - Stepper
  - Bench Press
  - Dumbbell
  - Abdominal King
  - Leg Curl Machine
  - Leg Press Machine
  - Tread Mill

INDOOR STADIUM

Indoor Stadium has been established in collaboration with the University Grants Commission under UGC XI Plans scheme "Development of Sports Infrastructure & Equipment in Colleges" in 2017.

Facilities : Basket ball Court, Badminton Courts, Table Tennis, Chess and Carrom.

Timing : Morning - 8:00 a.m. - 10:30 a.m.
Evening - 3:00 p.m. - 6:30 p.m.

IMPORTANT TELEPHONE NUMBERS

College Number : 0452 - 266 - 5700/8016/9015/7809
Hostel Number : 0452 - 2668257
Hospital Number : 0452 - 2667179
Sellur Police Station : 0452 - 2536684
Fire Service : 101
Ambulance: 108

PERSONAL ACADEMIC RECORD 2023- 2024

Semester– I / III

S. No.	Course Title/ Course Code	C1	C2	C3	C4	C5	Internal Total	External Total

Parent's / Guardian's Signature

Semester–II/IV

S. No.	Course Title / Course Code	C1	C2	C3	C4	C5	Internal Total	External Total

Parent's / Guardian Signature

CUMULATIVE RECORD OF THE DAYS OF ABSENCE

Date	Reason for Leave	No. of Days
	Illness Ceremonies Non – Payment of Fees Late admission Any other	

Parent's Signature

Class Teacher's Signature

LEAVE APPLICATION FORMAT

Name	:	
Class	:	
Major	:	
Reg. No.	:	
Number of days already availed	:	
Date	:	
Reason for Leave	:	

Parent's / Guardian's / Warden's Signature Student's Signature

Class Teacher's Signature

MOTHER ROSE CANTEEN

JUBILEE HALL

MARINA

Be With us Mary along the way
guide every step we take

ACADEMIC TIME TABLE

FATIMA COLLEGE (AUTONOMOUS) – MADURAI 18

DEPARTMENT OF M.B.A

TIME TABLE - 2024 – 2025

ODD SEMESTER – I and III

Day/ Time	Year	I (9.00-9.55)	II (9.55-10.50)	III (11.00-11.55)	IV (11.55-12.50)	(12.50 -1.30)	V (1.30-2.30)	VI (2.30-3.30)
MON	I	QT(RS)	DM(NA)	EC(PS)	MA(SL)	LUNCH BREAK LSM(MN)/LAB	LIB	ME(BJ)
	II	SHRM(LM)/LL(MN)/LSM(BJ)	SM(BJ)	ENT(RS)	DMG(MN)/SFM(LM)		BFI(NA)/T&D(BJ)	DMG(MN)/LIB
TUE	I	ME(BJ)	MPP(MN)	DM(NA)	MA(SL)		COMMUNICATION SKILLS (NA/MN)	
	II	LIVE PROJECT LAB(NA/BJ)			SFM(LM)/IPD(RS)/LAB		ENT (RS)	
WED	I	OB(NA)	ME (BJ)	LIB	MA(SL)		OB(NA)	MPP(MN)
	II	SHRM(LM)/LL(MN)/T&D(BJ)	ENT(RS)	PA(LM)	T&D(BJ)/SHRM(LM)		CM(RS)/SHRM(LM)	SM(BJ)
THU	I	DM(NA/PS)			MA(SL)		OB(NA)	QT(RS)
	II	CM(DP)/DMG(MN)	BE(PS)/PA(RS)	T&D(BJ)/SFM(LM)	LIVE PROJECT		LIVE PROJECT	
FRI	I	ME(BJ)	MPP(MN)	QT(RS)	COLLOQUIUM (NA/PS)		COLLOQUIUM (NA/PS)	
	II	CM(DP)/IPD(RS)	BE(PS)	LSM(BJ)/LL(MN)	LSM(MN)/IPD (RS)		SM(BJ)	BFI(NA)/CM(RS)
SAT	I	QT(RS)	DM(NA	MPP(MN)	ME(BJ)		OB(NA)	LIB
	II	SHRM(LM)/LL(MN)/BFI(NA)	T&D(BJ)/LIB	ENT(RS)	SFM(LM)/IPD(RS)/LL(MN)		DMG(MN)/CM(RS)	SM(BJ)

SUBJECT:

SUBJECT CODE	SUBJECT TITLE	COURSE TEACHER
19MBA101	Management Principles and Practice	Dr. M.Nagarenitha
19MBA102	Management Accounting	Dr.S.L.Kumari
19MBA103	Digital Management	Dr.N. Asha
19MBA104	Managerial Economics	Dr. B. Jayanthi
19MBA105	Organisational Behaviour	Dr.N. Asha
19MBA106	Quantitative Techniques	Dr.R.Suganya
19MBA107*	Executive Communication	Dr. P.Shyamala
19MBA301	Strategic Management	Dr. B. Jayanthi
19MBA302	Entrepreneurship	Dr. R. Suganya
19MBA303F	Digital Marketing	Dr. M.Nagarenitha
19MBA305D	Banking and Financial Institutions	Dr. N. Asha
19MBA305B	Strategic Financial Management	Dr. L. Meena
19MBA306C	Training & Development	Dr. B. Jayanthi
19MBA306E	Strategic Human Resource Management	Dr. L. Meena
19MBA309B	Logistics and Supply Chain Management	Dr. M. Nagarenitha & Dr.B.Jayanthi
19MBA309C	Import Procedures and Documentation	Dr. R. Suganya
19MBA306F	Career Management	Dr.R.Suganya/Ms.K.Dharshini Priya
19MBA360	Business Ethics	Dr. P. Shyamala
19MBA101	Management Principles and Practice	Dr. M.Nagarenitha
19MBA102	Management Accounting	Dr.S.L.Kumari

Fatima College (Autonomous)

Department of M.B.A

STAFF WORKLOAD 2024-2025 (ODD SEMESTER)

Dr. P. Shyamala

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA103	Digital Management Lab	2
2.	I MBA	19MBA107	Executive Communication	3
3.	II MBA	19MBA311	Business Ethics	2
4.	II MBA		Colloquium	3
			Total	**10**

Dr. N. Asha

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA103	Digital Management	4
2.	I MBA	19MBA105	Organizational Behaviour	4
3.	II MBA	19MBA305D	Banking and Financial Institutions	5
4.	I MBA		Colloquium	3
5.	II MBA		Soft Skill training	1
			Total	**17**

Dr. L. Meena

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	II MBA	19MBA305B	Strategic Financial Management	5
2.	II MBA	19MBA306E	Strategic Human Resource Management	5
3.	II MBA		Placement Activity	1
			Total	**11**

Dr. M. Nagarenitha

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA101	Management Principles and Practice	4
2.	II MBA	19MBA303F	Digital Marketing	5
3.	II MBA	19MBA306D	Labour Legislation	5
4.	II MBA	19MBA309B	Logistics and Supply Chain Management	3
			Total	**17**

Dr. B. Jayanthi

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA104	Managerial Economics	5
2.	II MBA	19MBA301	Strategic Management	4
3.	II MBA	19MBA306C	Training & Development	5
4.	II MBA	19MBA309B	Logistics and Supply Chain Management	2
5.	II MBA		Soft Skill training	1
			Total	**17**

Dr. R. Suganya

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA106	Quantitative Techniques	5
2.	II MBA	19MBA302	Entrepreneurship	4
3.	II MBA	19MBA309C	Import Procedures and Documentation	5
4.	II MBA	19MBA306C	Training & Development	1
5.	II MBA		Placement Activity	3
			Total	**17**

Dr. S.L. Kumari

S. No	Class	Sub.Code	Subject	No. of Hrs
1	I MBA	19MBA102	Management Accounting	4
			Total	**4**

Ms.K.Dharshini Priya

S. No	Class	Sub.Code	Subject	No. of Hrs
1	II MBA	19MBA306F	Career Management	2
			Total	**2**

FATIMA COLLEGE (AUTONOMOUS) – MADURAI 18

DEPARTMENT OF M.B.A

TIME TABLE - 2024 – 2025

EVEN SEMESTER – II and IV

Day/ Time	Year	I (9.00-9.55)	II (9.55-10.50)	III (11.00-11.55)	IV (11.55-12.50)	(12.50 -1.30)	V (1.30-2.30)	VI (2.30-3.30)
MON	I	POM(LM)	MS(PS)	FM(DP)	LIB	LUNCH BREAK	MM(MN)	BR(RS)
	II	IM(MN) / CB(NMP)/SAP M(RS)	IBM(RS)	IM(MN) / CB(NMP) MFS(LM)	MFS(LM) /SAPM(RS)/ EFD(NA)		LIB	EFD(NA)/CB(NMP)
TUE	I	LIVE PROJECT – LAB (LM/MN/NA)			HRM(NMP)		MM(MN)	MIS(NA)
	II	HRAA(NA)/ HRIS(MN)/IPC(NMP)/LIB	PLACEMENT ACTIVITY (RS)	ME(PS)	EFD(NA)/MF S(LM)		IBM(RS)	HRAA(NA)/H RIS(MN)/ IPC(NMP)
WED	I	POM(LM)	LIB	FM(DP)	MM(MN)		MIS(NA)	HRM(NMP)
	II	HRAA(NA)/HRI S(MN)/ IPC(NMP)/LIB	ME(PS)	EFD(NA) / IM(MN)	MFS(LM) /CB(NMP)		PLACEMENT ACTIVITY (LM)	IBM(RS)
THUR	I	BR(RS)	HRM(NMP)	FM(DP)	LIVE PROJECT(NA)		LIVE PROJECT(PS)	
	II	DISSERTATION LAB (MN/NA/RS)			MFS(LM) /SAPM(RS)/I PC(NMP		IBM(RS)	IM(MN)/DISS (RS)
FRI	I	POM(LM)	BR(RS)	FM(DP)	COLLOQUIU M (NMP)		COLLOQUIUM (NMP)	
	II	HRAA(NA)/HRI S(MN)/ IPC(NMP)/LIB	LIB	IM(MN) / CB(NMP) EFD(NA)	COLLOQUIU M (PS)		COLLOQUIUM (PS)	
SAT	I	HRM(NMP)	MIS(NA)	POM(LM)	BR(RS)		BR(RS)	MM(MN)
	II	IBM(RS)	LIB	HRAA(NA)/HRIS (MN)/ IPC(NMP)/SAPM (RS)	DISS(MN)		DISSERTATION (PS)	

Subject:

SUBJECT CODE	SUBJECT TITLE	COURSE TEACHER
19MBA201	Production & Operations Management	Dr. L. Meena
19MBA202	Human Resource Management	Dr. NM.Pavithra
19MBA203	Marketing Management	Dr. M. Nagarenitha
19MBA204	Financial Management	Ms.K.Dharshini Priya
19MBA205	Management Information System	Dr. N. Asha
19MBA206	Business Research	Dr. R. Suganya
19MBA207	Managerial Skills	Dr. P. Shyamala
19MBA401	International Business Management	Dr. R. Suganya
19MBA402C	Consumer Behaviour	Dr. NM.Pavithra
19MBA405E	Human Resource Information System	Dr. M. Nagarenitha
19MBA404B	Management of Financial services	Dr. L. Meena
19MBA405A	Industrial Psychology & Counselling	Dr. NM.Pavithra
19MBA405B	Human Resource Accounting and Audit	Dr. N. Asha
19MBA408A	International Marketing	Dr. M. Nagarenitha
19MBA408B	Export Finance & Documentation	Dr. N. Asha
19MBA404A	Security Analysis and Portfolio Management	Dr. R. Suganya
19MBA409	Dissertation	Dr. P. Shyamala

Fatima College (Autonomous)

Department of M.B.A

STAFF WORKLOAD 2024-2025 (EVEN SEMESTER)

Dr. P. Shyamala

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA207	Managerial Skills	2
2.	II MBA	19MBA409	Dissertation	2
3.	II MBA	19MBA410	Managerial Environment	2
4.	II MBA		Colloquium	2
5.	I MBA		Live Project	2
			Total	**10**

Dr. N. Asha

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA205	Management Information System	4
2.	I MBA	19MBA405B	Human Resource Accounting and Audit	5
3.	II MBA	19MBA408B	Export Finance & Documentation	5
4.	I MBA		Live Project Lab	3
			Total	**17**

Dr. L. Meena

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA201	Production and Operations Management	4
2.	II MBA	19MBA404B	Management of Financial services	5
3.	II MBA		Placement Activity	1
4.	II MBA	19MBA409	Dissertation Lab	1
			Total	**11**

Dr. M. Nagarenitha

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA203	Marketing Management	4
2.	II MBA	19MBA405E	Human Resource Information System	5
3.	II MBA	19MBA408A	International Marketing	5
4.	I MBA		Dissertation	2
5.	I MBA		Live Project	1
			Total	**17**

Dr. R. Suganya

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA206	Business Research	4
2.	II MBA	19MBA401	International Business Management	5
3.	II MBA	19MBA404A	Security Analysis and Portfolio Management	5
4.	II MBA	19MBA409	Dissertation Lab	2
5.	II MBA		Placement Activity	1
			Total	**17**

Dr.NM.Pavithra

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	I MBA	19MBA202	Human Resource Management	4
2.	II MBA	19MBA405A	Industrial Psychology & Counselling	5
3.	II MBA	19MBA402C	Consumer Behaviour	5
4.	II MBA		Colloquium	3
			Total	**17**

Ms.K.Dharshini Priya

S. No	Class	Sub.Code	Subject	No. of Hrs
1.	IMBA	19MBA204	Financial Management	4
			Total	**4**

CIA -I- T1- II MBA

Date	Day	Course code	Course Title
07.10.2024	Monday	19MBA306 E / 19MBA306D	Strategic Human Resource Management / Labour Legislation
		19MBA303F	Digital Marketing
		19MBA305D	Banking and Financial Institutions
08.10.2024	Tuesday	19MBA305B/ 19MBA309C	Strategic Financial Management / Import Procedures and Documentation
		19MBA302	Entrepreneurship
09.10.2024	Wednesday	19MBA306C	Training & Development
		19MBA301	Strategic Management
10.10.2024	Thursday	19MBA306F	Career Management
		19MBA309B	Logistics and Supply Chain Management

REMEDIAL CLASS

DATE	SUBJECT
08.07.2024	Business Research
09.07.2024	Production and operations management
10.07.2024	Marketing management
11.07.2024	Management Information system
12.07.2024	Financial Management
16.07.2024	Human Resource Mangement
17.07.2024	Production and operations management
18.07.2024	Marketing management
19.07.2024	Management Information system
20.07.2024	Financial Management

CIA -I - T1 - I MBA

Date	Day	Course code	Course Title
01.08.2024	Thursday	19MBA103	Digital Management
		19MBA106	Quantitative Techniques
02.08.2024	Friday	19MBA101	Management Principles and Practice
		19MBA105	Organisational Behaviour
05.08.2024	Monday	19MBA102	Management Accounting
		19MBA104	Managerial Economics

II MONTHLY TEST - II MBA

Date	Day	Course code	Course Title
07.10.2024	Monday	19MBA103	Digital Management
		19MBA106	Quantitative Techniques
08.10.2024	Tuesday	19MBA101	Management Principles and Practice
		19MBA105	Organisational Behaviour
09.10.2024	Wednesday	19MBA104	Managerial Economics
		19MBA102	Management Accounting

CIA 2 – I MBA – I SEMESTER

Date	Time	Course code	Course Title
27.08.2024	9.30 am to 11.30 am	19MBA101	Management Principles and Practice
28.08.2024	9.30 am to 11.30 am	19MBA102	Management Accounting
29.08.2024	9.30 am to 11.30 am	19MBA103	Digital Management
30.08.2024	9.30 am to 11.30 am	19MBA104	Managerial Economics
2.09.2024	9.30 am to 11.30 am	19MBA105	Organisational Behaviour
3.09.2024	9.30 am to 11.30 am	19MBA106	Quantitative Techniques

CIA 1 INTERNAL TEST 1 - II MBA

III SEMESTER

Date	Day	Course code	Course Title
15.07.2024	Monday	19MBA306 E / 19MBA306D	Strategic Human Resource Management / Labour Legislation
		19MBA303F	Digital Marketing
16.07.2024	Tuesday	19MBA309B	Logistics and Supply Chain Management
		19MBA302	Entrepreneurship
		19MBA305B/ 19MBA309C	Strategic Financial Management / Import Procedures and Documentation
18.07.2024	Thursday	19MBA306F	Career Management
		19MBA306C	Training & Development
19.07.2024	Friday	19MBA301	Strategic Management
		19MBA305D	Banking and Financial Institutions

CIA 2 – II MBA – III SEMESTER

Date	Time	Course Code	Course Title
19.08.2024	9.30 am to 11.30 am	19MBA302	Entrepreneurship
	1.15 pm to 3.15 pm	19MBA305D	Banking and Financial institutions
20.08.2024	9.30 am to 11.30 am	19MBA301	Strategic Management
	1.15 pm to 3.15 pm	19MBA303F	Digital Marketing
21.08.2024	9.30 am to 11.30 am	19MBA306E/ 19MBA306D	Strategic Human Resource Management/Labour Legislation
	1.15 pm to 3.15 pm	19MBA309B	Logistics and Supply Chain Management
22.08.2024	9.30 am to 11.30 am	19MBA306F	Career Management
23.08.2024	9.30 am to 11.30 am	19MBA305B/ 19MBA309C	Strategic Financial Management/Import Procedures and Documentation
	1.15 pm to 3.15 pm	19MBA306C	Training & Development

- **Internal Continuous Evaluation System and Place**

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	10 Mks	15 Mks	5+5=10 Mks.	10 Mks	45 Mks.	5 Mks.	50 Mks.	
K1	-	-	-	-	-		-	-
K2	-	5	5	2.5	12.5		12.5	25%
K3	5	-	-	5	10		10	20%
K4	5	5	-	2.5	12.5		12.5	25%
K5	-	5	5	-	10		10	20%
Non Scholastic	-	-	-	-	-	5	5	10 %
Total	10	15	10	10	45	5	50	100 %

CIA	
Scholastic	45
Non Scholastic	5
	50

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018

DEPARTMENT OF MASTERS IN COMPUTER APPLICATIONS

TIMETABLE – ODD SEMESTER 2024-2025

DAY	CLASS	1	2	3	4		5	6
		9:00 – 9:50	9:50 – 10:40	10:55 - 11:45	11:45 – 12:35	12:35 – 1:15	1:15 – 2:05	2:05 – 3:00
Monday	II MCA	**FSD LAB (MHF)**		E-COM (SM)	BDS/HCI/WS (PN/JP/SV)		**ADF LAB (SM)**	
	I MCA	DC (BU)	AI/DM/SWC SM/PN/JP	**RDBMS LAB (BU)**			PYTHON (PN)	OS (JP)
	III BCA					SE (BU)		
Tuesday	II MCA	SEP (PN)	E-COM (SM)	FSD (MHF)	E-COM (SM)		ADF (SM)	SS (JP)
	I MCA	RDBMS (BU)	SS (MHF)	DC (BU)	**LINUX (JP)**		**PYTHON LAB (PN)**	
	III BCA	**MBA LAB**					SE (BU)	
Wednesday	II MCA	FSD (MHF)	**MAD LAB (BU)**	SEP (PN)	BDS/HCI/WS (MHF/JP/SV)		ADF (SM)	**FSD LAB (MHF)**
	I MCA	**RDBMS LAB (JP)**	AI/DM/SWC SM/PN/JP	**RDBMS LAB (BU)**			PYTHON (PN)	OS (JP)
	III BCA						SE (BU)	
Thursday	II MCA	E-COM (SM)	SEP (PN)	FSD (MHF)	**MAD LAB (BU)**		**FSD LAB (MHF)**	
	I MCA	DC (BU)	OS (JP)	RDBMS (BU)	AI/DM/SWC SM/PN/JP		PYTHON (PN)	DC (BU)
	III BCA							
Friday	II MCA	**ADF LAB (SM)**			BDS/HCI/WS (MHF/JP/SV)		ADF (SM)	FSD (MHF)
	I MCA	RDBMS (BU)	OS (JP)	RDBMS (BU)	**PYTHON LAB (PN)**		**PYTHON LAB (PN)**	
	III BCA						SE (BU)	
Saturday	II MCA	SEP (PN)	SS (JP)	ADF (SM)	BDS/HCI/WS (PN/JP/SV)		**FSD LAB (MHF)**	**ADF LAB (SM)**
	I MCA	**LINUX (JP)**	**RDBMS LAB (BU)**	AI/DM/SWC SM/PN/JP	**PYTHON LAB (PN)**		SS (MHF)	PYTHON (PN)
	III BCA					E-CONTENT LAB		

MHF – Mrs. S. Mary Helan Felista
SM – Mrs. R. Smeeta Mary
JP – Mrs. S. Jebapriya
BU – Mrs. B. Usha
PN – Mrs. P. Nancy Vincentina Mary
SV – Mrs. S. Selvarani

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018

DEPARTMENT OF MCA

STAFF WORKLOAD - JUNE 2024 (ODD SEMESTER)

S.No	Name	PG	LAB	Others	Total hrs.
1.	S.MaryHelanFelista	II MCA (4) II MCA (2) I MCA (2)	II MCA(1) II MCA (6)		**15**
2.	R.Smeeta Mary	II MCA(4) II MCA(4) I MCA(4)	II MCA(1) II MCA(6)		**19**
3.	S.Jebapriya	II MCA(4) I MCA(4) I MCA(4) II MCA(2)	II MCA(1) I MCA (2) I MCA (1)	III BCA (2)	**20**
4.	B.Usha	IMCA(4) I MCA(4)	II MCA(1) II MCA(2) I MCA(5)	III BCA (5)	**21**
5.	P.Nancy Vincentina Mary	II MCA (4) IIMCA(2) IMCA(4) I MCA(4)	II MCA(1) I MCA(6)		**21**
6.	S.Selvarani	II MCA (4)			**4**

DEPARTMENT OF MCA

STAFF INDIVIDUAL WORKLOAD – JUNE 2024

Mrs. S. Mary HelanFelista

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA301	Project Mentoring & Monitoring	1
II MCA	20MCADA06	Big Data Security	2
II MCA	23MCA303	Full Stack Development	4
II MCA	23MCA305	Lab V - Full Stack Development	6
I MCA	20MCA108	Soft Skills I- Professional Communication	2
		Total	**15**

Dr.R. Smeeta Mary

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA301	Project Mentoring & Monitoring	1
II MCA	23MCA304	Application Development Frameworks	4
II MCA	23MCA306	Lab VI - Application Development Frameworks	6
II MCA	20MCAGE04	E-Commerce	4
I MCA	20MCAAM01	Artificial Intelligence & Expert System	4
		Total	**19**

Mrs. S. Jebapriya

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA301	Project Mentoring & Monitoring	1
II MCA	20MCA308	Soft Skill III- Interpersonal Skills for Corporate Readiness	2
II MCA	20MCAAM05	Human Computer Interaction	4
I MCA	23MCADS02	Secured Wireless Communication	4
I MCA	20MCA103	Operating Systems	4
I MCA	20MCA106	Lab II - RDBMS	1
I MCA	20MCA107	Skill Based Lab I–Linux	2
III BCA	19J5SB3	Animation Techniques	2
		Total	**20**

Mrs.B. Usha

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA301	Project Mentoring & Monitoring	1
I MCA	24MCA101	Discrete Mathematics	4
I MCA	22MCA102	Relational Database Management System	4
I MCA	20MCA106	Lab II - RDBMS	5
II MCA	23MCA307	Skill Based Lab III – Mobile Application Development	2
III BCA	19J5CC9	Software Engineering	5
		Total	**21**

Mrs.P. Nancy Vincentina Mary

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA301	Project Mentoring & Monitoring	1
II MCA	20MCADA06	Big Data Security	2
II MCA	22MCA302	Software Engineering Principles	4
I MCA	23MCA104	Programming in Python	4
I MCA	23MCA105	Lab I – Python Programming	6
I MCA	20MCADA01	Data Mining Techniques	4
		Total	**21**

Mrs. S.Selvarani

Class	Sub. Code	Subject	No. of Hours
II MCA	23MCADS06	Web Security	4
		Total	4

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018

DEPARTMENT OF MASTERS IN COMPUTER APPLICATIONS

TIMETABLE – EVEN SEMESTER 2024-2025

DAY	CLASS	1	2	3	4		5	6
		9:00 – 9:55	9:55 – 10:50	11:00 - 11:55	11:55 – 12:50	12:50 – 1:30	1:30 – 2:30	2:30 – 3:30
Monday D. O. I BU	I MCA	DS (JP)	ED / WD (PN / SM)	JAVA LAB (MHF)			JAVA LAB (MHF)	JAVA (MHF)
	III BCA				LINUX LAB (BU)			
	PG						PG OFF CLASS (BU / PN)	
Tuesday D. O. II PN	I MCA	CN (BU)	DS (JP)	ED / WD (PN / SM)	JAVA (MHF)		WT LAB (SM)	
	III BCA				DM / SP (PN / SM)			
	II MSIT							
Wednesday D. O. III JP	I MCA	ED / WD (PN / SM)	CN (BU)	JAVA LAB (MHF)			WT LAB (SM)	
	III BCA				DM / SP (PN / JP)			
	II MSIT				NS (BU)			
Thursday D. O. IV SM	I MCA	ML / NS / BDA SM / JP / SV	SS (PN)	R LAB (JP)			WT LAB (SM)	
	III BCA				DM / SP (PN / SM)			
	II MSIT				NS (BU)			
	PG						PG OFF CLASS (BU / PN)	
Friday D. O. V ALL	I MCA	CN (BU)	DS (JP)	ML / NS / BDA SM / JP / SV	JAVA (MHF)		JAVA LAB (MHF)	
	III BCA				DM / SP (PN / JP)			
	II MSIT				NS (BU)			
Saturday D. O. VI MHF	I MCA	ED / WD (PN / SM)	CN (BU)	ML / NS / BDA SM / JP / SV	DS (JP)		SS (PN)	JAVA (MHF)
	III BCA				DM / SP (PN / JP)			
	II MSIT				NS (BU)			

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625 018

DEPARTMENT OF MCA

STAFF WORKLOAD – NOV. 2025(EVEN SEMESTER)

S.No	Name	PG	LAB	Others	Total hrs.
1.	S. Mary Helan Felista	I MCA(4) II MCA(2)	I MCA(6)		**12**
2.	R. Smeeta Mary	I MCA(4) IMCA(4) II MCA(2)	I MCA(5)		**15**
3.	S.Jebapriya	I MCA(4) II MCA(2) I MCA(4)	I MCA(1) I MCA(2)	III BCA(3)	**16**
4.	B.Usha	I MCA(4) II MCA(2)		III BCA(3) I MSC IT(4) PG Off Class(3)	**16**
5.	P.NancyVincentina Mary	I MCA(4) II MCA(2) I MCA(2)		PG Off Class(3) III BCA(5)	**16**
6.	S.Selvarani	I MCA(4)			**4**

DEPARTMENT OF MCA

STAFF INDIVIDUAL WORKLOAD – November 2025

Mrs.S.MaryHelanFelista

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA02	Project Mentoring & Monitoring	2
I MCA	23MCA203	Programming in Java	4
I MCA	20MCA205	Lab IV- Java Programming	6
		Total	12

Mrs.R.Smeeta Mary

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA402	Project Mentoring & Monitoring	2
I MCA	23MCAAM03	Machine Learning	4
I MCA	20MCA204	Lab III – Web Technologies	5
I MCA	23MCAGE13	Internet & Web Designing	4
		Total	15

Mrs.S.Jebapriya

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA402	Project Mentoring & Monitoring	2
I MCA	20MCADS03	Cryptography & Network Security	4
I MCA	20MCA201	Data Structures and Algorithms	4
I MCA	20MCA204	Lab III – Web Technologies	1
I MCA	24MCA206	Skill Based Lab II – Mobile App Design	2
III BCA	19J6ME3	Security Practices	3
		Total	16

Mrs.B.Usha

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA402	Project Mentoring & Monitoring	2
I MSC IT	23PG21E5	Networks and Security	4
I MCA	23MCA202	Computer Networks & Communication	4
III BCA	19J6ME3	Security Practices	2
III BCA	19J6SB6	Linux	1
		PG Off Class-Animation	3
		Total	16

Mrs.P.NancyVincentina Mary

Class	Sub. Code	Subject	No. of Hours
II MCA	20MCA402	Project Mentoring & Monitoring	2
I MCA	23MCA207	Soft Skills II- Aptitude Training	2
I MCA	20MCAGE07	Entrepreneurship Development	4
III BCA	19J6ME4	Data Mining	5
		PG Off Class – Web Designing Using HTML And Dream Viewer	3
		Total	16

Mrs. S.Selvarani

Class	Sub. Code	Subject	No. of Hours
I MCA	20MCADA03	Big Data Analytics	4
		Total	4

FATIMA COLLEGE (AUTONOMOUS), MADURAI

DEPARTMENT OF MCA

CIA I (MONTHLY I)

II MCA

TIME TABLE - ODD SEMESTER 2024

Date	Time	Subject Code	Subject
15.07.2024	9:00 – 10:00 a.m.	23MCA304	Application Development Frameworks
16.07.2024	9:00 – 10:00 a.m.	20MCAGE04	E-Commerce
18.07.2024	9:00 – 10:00 a.m.	23MCA303	Full Stack Development
19.07.2024	9:00 – 10:00 a.m.	*20MCADA06/ 23MCADS06/ 20MCAAM05	Big Data Security / Web Security / Human Computer Interaction
20.07.2024	9:00 – 10:00 a.m.	22MCA302	Software Engineering Principles

I MCA

Date	Time	Subject Code	Subject
29.07.2024	9:30 – 11:30 a.m.	24MCA101	Discrete Mathematics
30.07.2024	9:30 – 11:30 a.m	23MCA102	Relational Database Management System
31.07.2024	9:30 – 11:30 a.m	20MCA103	Operating Systems
01.08.2024	9:30 – 11:30 a.m	23MCA104	Programming in Python
02.08.2024	9:30 – 11:30 a.m	20MCADA01/ 23MCADS02/ 20MCAAM01	Data Mining Techniques/ Secured Wireless Communication/ Artificial Intelligence & Expert System

FATIMA COLLEGE (AUTONOMOUS), MADURAI

DEPARTMENT OF MCA

CIA II - TIME TABLE - 2024

II MCA

Date	Time	Subject Code	Subject
19.08.2024	9:30 – 11:30 a.m.	22MCA302	Software Engineering Principles
20.08.2024	9:30 – 11:30 a.m	23MCA303	Full Stack Development
21.08.2024	9:30 – 11:30 a.m	23MCA304	Application Development Frameworks
22.08.2024	9:30 – 11:30 a.m	20MCADA06/ 23MCADS06/ 20MCAAM05	Big Data Security / Web Security / Human Computer Interaction
23.08.2024	9:30 – 11:30 a.m	20MCAGE04/ 20MCAGE07	E-Commerce/ Entrepreneurship Development

I MCA

Date	Time	Subject Code	Subject
19.08.2024	9:30 – 11:30 a.m.	24MCA101	Discrete Mathematics
20.08.2024	9:30 – 11:30 a.m	23MCA102	Relational Database Management System
21.08.2024	9:30 – 11:30 a.m	20MCA103	Operating Systems
22.08.2024	9:30 – 11:30 a.m	23MCA104	Programming in Python
23.08.2024	9:30 – 11:30 a.m	20MCADA01/ 23MCADS02/ 20MCAAM01	Data Mining Techniques/ Secured Wireless Communication/ Artificial Intelligence & Expert System

FATIMA COLLEGE (AUTONOMOUS), MADURAI

DEPARTMENT OF MCA

CIA I (MONTHLY II)

II MCA

TIME TABLE - ODD SEMESTER 2024

Date	Time	Subject Code	Subject
07.10.2024	9:00 – 10:00 a.m.	23MCA303	Full Stack Development
08.10.2024	9:00 – 10:00 a.m.	20MCAGE04	E-Commerce
09.10.2024	9:00 – 10:00 a.m.	*20MCADA06/ 23MCADS06/ 20MCAAM05	Big Data Security / Web Security / Human Computer Interaction
10.10.2024	9:00 – 10:00 a.m.	22MCA302	Software Engineering Principles
14.10.2024	9:00 – 10:00 a.m.	23MCA304	Application Development Frameworks

I MCA

Date	Time	Subject Code	Subject
07.10.2024	9:00 – 10:00 a.m.	24MCA101	Discrete Mathematics
08.10.2024	9:00 – 10:00 a.m.	23MCA104	Programming in Python
09.10.2024	9:00 – 10:00 a.m.	20MCADA01/ 23MCADS02/ 20MCAAM01	Data Mining Techniques/ Secured Wireless Communication/ Artificial Intelligence & Expert System
10.10.2024	9:00 – 10:00 a.m.	23MCA102	Relational Database Management System
14.10.2024	9:00 – 10:00 a.m.	20MCA103	Operating Systems

CAMPUS PLACEMENT

- Campus Placement in Last Year with minimum salary, maximum salary and average salary

DEPARTMENT OF MBA

MBA - 2022-2023		
S.No	**Companies**	**No. of Students Selected**
1.	Cedar Financial Services, Madurai	7
2.	TVS Supply Chain Solution, Madurai	1
3.	The Karur Vysya Bank Limited, Karur	3
4.	Jayashree Spun Bond, Balrangapuram	7
5.	Bricksteel Enterprises Info Tech Private Ltd., Madurai	1
6.	Finwallet, Madurai	3
	Total	**22**
➢ Maximum Salary – 30000 per Month ➢ Minimum Salary – 15000 per Month		

Placement Details 2022 – 2023

MBA Batch - MBA - (2021-2023) AAKILA BANU S, STEFFI - (88 Students)	
Course Unique Id	1-1339815355
Course Type	Regular
Programme	**MANAGEMENT**
Affiliating University/Board	Madurai Kamaraj University, Madurai
Level of course	POST GRADUATE
Name of the Course	MBA
Shift	1st Shift
Approved Intake	90
Is Course Eligible For Placement?	Y
Number Of Companies Visited	6
Number Of Students Passed	**87**
Number Of Dropout Students	1
Number Of Eligible Students	72
Number Of Students Placed in IT	1
Number Of Students Placed in Non IT	21
Total Student Placed (IT+ Non IT)	22
Lowest Package(In Lakhs)	1
Highest Package(In Lakhs)	3

DEPARTMENT OF MCA

CAMPUS PLACEMENT

Campus Placement in Last Year with minimum salary, maximum salary and average salary

MCA - 2023-2024		
S.No	**Companies**	**No. of Students Selected**
1.	Bricksteel Enterprise Info tech Pvt.Ltd	5
2.	Rinex Techonology,Bengaluru	3
3.	BS Teknology,Madurai	4
4.	Apptivo Sooftware Private Limited,Madurai	1
5.	st.Joseph School .Manamadurai	1
6.	AskEva Software. Madurai	2
7.	Queen Mira International School, Manamadurai	1
8.	AVA Soft,Chennai	1
Total		**18**
➢ Maximum Salary – per Month- 25000 ➢ Minimum Salary – per Month - 12500		

PlacementDetails2023-2024

MCA Batch - MCA - (2023-2024) JENIFER (59 Students)	
Course Unique Id	1-1339815352
Course Type	Regular
Programme	**MCA**
Affiliating University/Board	Madurai Kamaraj University, Madurai
Level of course	POST GRADUATE
Name of the Course	MASTERS IN COMPUTER APPLICATIONS
Shift	1st Shift
Approved Intake	60
Is Course Eligible For Placement?	Y
Number Of Companies Visited	8
Number Of Students Passed	**57**
Number Of Dropout Students	1
Number Of Eligible Students	57
Number Of Students Placed in IT	12
Number Of Students Placed in Non IT	8
Total Student Placed (IT+ Non IT)	20
Lowest Package(In Lakhs)	1.5
Highest Package(In Lakhs)	3

LIST OF RESEARCH PROJECTS/CONSULTANCY WORKS

❖ MoUs with Industries

1. **NSE ACADEMY**

2. **CORPWORX**

Mrs. Vidhya Kottaiveedu

Founder of Corpworx, Monrow, New Jersey, USA.

3. **NMORE, SECUNDERABAD**

206/A, 1st Floor, 4th Cross, Trimoorthy Colony,

Mahendra Hills, East Marredpally,

Secunderabad – 500 026.

4. **SYSTEMS DOMAIN (Certified With ISO 9001:2008)**

30/1,3rd Floor, Leeman's Complex,

Next to Just Dial Cunningham Road,

Bangalore – 560052.

5. **TAMILNADU COUNCIL FOR ENTERPRISE DEVELOPMENT (TACED)**

40 , Work shop Road, Saratha complex,

Rountana, Simmakkal, Madurai Main,

Madurai, Tamil Nadu 625001

6. **VIVARA TECH**

Mr. S. Vamsi Deepak

Old No 6, New No.11,A1,

Rajni's Deivalohaa,Convent Street, Shenay Nagar, Chennai.

7. **BRICKSTEEL ENTERPRISES INFOTECH PVT,LTD**

Mr. D. Karthikeyan

No – 242,Morning Star, Level III,

6th, Cross Indira Nagar first Stage, Bangalore-560038(Karnataka).

தமிழ்நாடு तमिलनाडु TAMILNADU

06 OCT 2022

CS 582372

S. AYATH BASHA
STAMP VENDOR
L.NO 3 / 3 / 2000
No. 43 SEETHAMMAL ROAD
TEYNAMPET CHENNAI - 18
Phone: 9841640694

NSE ACADEMY LIMITED
Chennai

AGREEMENT

This **Agreement** ("**Agreement**") is executed at Chennai on 28th day of Sep 2022 .

BY AND BETWEEN

NSE Academy Limited, a company incorporated under the provisions of the Companies Act, 2013 and having its registered office at Exchange Plaza, Plot C/1, G Block, Bandra Kurla Complex, Bandra East, Mumbai- 400051, represented by its authorized signatory Mr. Abhilash Misra (hereinafter referred to as "**NSE Academy**" or "**NAL**", which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its subsidiaries, group companies, affiliates, successors and permitted assigns) of the **ONE PART**;

And

Fatima College is an Autonomous college affiliated to Madurai Kamaraj University, situated at Mary Land, Madurai– 625018 represented by its authorized signatory Dr. Sr. G. Celine Sahaya Mary, Principal (hereinafter referred to as "**Client**", which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns), of the **OTHER PART**.

NSE ACADEMY LIMITED MUMBAI

Dr. G. Celine Sahaya Mary
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

NSE Academy and the Client are hereinafter individually referred to as '**Party**' and jointly referred to as '**Parties**'.

WHEREAS:

A. NSE Academy, being a wholly owned subsidiary of National Stock Exchange of India Limited, is *inter alia* engaged in the business of conducting varied educational initiatives including certification programs, investor seminars, secondary and senior secondary school level programs, development of educational materials on financial markets and promoting financial literacy and skill oriented financial markets programs.

B. The Client is Fatima College, affiliated to Madurai Kamaraj University, was the dream of Rev. Sr. Rose Benedict, the founder of the College. With more than half a century of experience in the field of education, Fatima College has established a reputation for excellence in all aspects of higher education. It has endeared itself to the People of Madurai by imparting value based holistic education to young women with the objective of giving preference to the rural and economically backward women and first-generation learners.

C. The Client is desirous to engage NSE Academy for providing its services for the purpose of (a) conducting and delivering **Certificate course**, as detailed in **Annexure 1**, ("**Program**") to such selected students/participants who have registered and enrolled for the purposes of the Program (collectively, "**Participants**"); and (b) providing a non-exclusive, non-transferable and limited right to access and use the Product (*as defined below*) for the Product Term (*as defined below*) (collectively, "**Services**"), and NSE Academy has agreed to provide such Services in lieu of consideration ("**Consideration**") in accordance with the terms and conditions of this Agreement.

D. The Parties are now desirous of entering into this Agreement to set out and record the terms and conditions under which NSE Academy shall provide the Services to the Client.

NOW, THEREFORE, THIS AGREEMENT WITNESSETH AS UNDER:

1. **SCOPE OF AGREEMENT**

1.1 NSE Academy shall deliver the Services for the purposes of the Program in accordance with the below mentioned details:

Name of the Program	**Certificate course on Business Analytics**
Target Group per Batch (Number of Participants per Batch)	Minimum 80 students per batch
Duration of Batches	24 hours (20 hours training + 4 hours project work)

NSE ACADEMY LIMITED MUMBAI

Dr. J. Alvis Sahaya Mary
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1.2 The Parties hereby agree, confirm and understand that:

1.2.1. The training for the Program shall be conducted by trainers/faculty, as may be selected by NSE Academy for the purposes of the Program, ("**Trainers**") either through the portal of the Product or such online/virtual platform as may be communicated by NSE Academy to the Client or by means of classroom/offline training.

1.2.2. The Trainers shall conduct the Program for the Participants for a duration of 24 hours (20 hours training + 4 hours project work) hours for each batch on such scheduled date(s) of the Program, as may be mutually decided between the Parties. In addition, the Client and the Participants shall be provided a complimentary access to the Product for a period of 6 months ("**Product Term**") for self-paced learning through the Product.

1.2.3. The Client understands that the right to access and use the Product is non-exclusive, non-transferable, and limited in nature and this right has been granted by NSE Academy only for internal and non-commercial use. It is hereby clarified that the grant of use the Product provided in this Agreement does not in any way imply that the Client/Participants have the right to receive, or that NSE Academy has any obligation to provide, any technical or maintenance support for any other product procured by the Client unless otherwise expressly agreed upon.

1.2.4. The Parties hereby agree and understand that NSE Academy shall provide access of the Product to the Client and the Participants, as provided in this Clause 1. The Client understands that access and use of the Product is subject to acceptance of and compliance with the terms of use pertaining to the Product, as may be framed, amended or modified by NSE Academy from time to time (**"Terms of Use"**). The said Terms of Use shall be uploaded and made available on NSE Academy's website from time to time. Further, the Client shall ensure absolute compliance of the Terms of Use by its Participants.

1.2.5. The grant of the right to use the Product includes authorization of access by means of the Client's platform to allow site-wide online access by the Participants *via* multiple connections. In this regard, the Client agrees to maintain the security of the access by authenticating use of the same by the Participants.

1.2.6. The Client/Participant shall not make the electronic version of the book(s)/Product/Learning Materials (*as defined below*)/other data, content and material, as may be available on the portal of the Product, accessible to any other third party, whether by permitting access through terminal or computer, or by other similar or dissimilar means or arrangements.

1.2.7. NSE Academy reserves the right to suspend and/or terminate the access/right to use the Product by the Client and/or the Participants without any prior notice, if the Client and/or Participants commit any breach of/violate any of the terms of this Agreement provided that such breach/violation remains uncured by the Client and/or the Participants within 7 (seven) days from the initiation by the Client regarding the said breach/violation. It is hereby clarified that any unauthorized use of the Product or any fraudulent, abusive, or otherwise illegal activities will be considered as grounds for termination of access/right to use.

1.2.8. The Client agrees and understands that any non-compliance with or breach of the provisions of the Terms of Use and the obligations contained in this Clause shall be construed as a material breach of this Agreement.

For the purposes of this Agreement:

ACADEMY LIMITED MUMBAI NSE

Dr. G. Celine Saharya Mary
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
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(i) "**NSE Knowledge Hub**" refers to an artificial learning and machine learning capable software available in mobile and web version that focuses on delivering personalised learner experience. It's advanced learning platform aggregates global digital content, assist in creation and authoring of content, manages curation of learning pathways and journeys and helps in customized learning for users.

(ii) "**Product**" means and includes NSE Knowledge Hub and other study materials, software exposure, question banks, e-learning materials, e-learning platform etc. published/owned/prepared/developed/designed/used/created by NSE Academy.

1.2.9. In the event of any eventualities or for any reason which is beyond the control of NSE Academy, NSE Academy shall provide a prior notice to the Client for rescheduling or cancelling the Program (as the case may be).

1.2.10. The Client shall ensure that the provisions of underlying documentations (if any) executed between the Client and the Participants in relation to the Program are co-terminus with the terms of this Agreement.

1.2.11. The Parties shall fulfill their respective responsibilities as detailed in **Annexure 2** for successful consummation of the transaction contemplated herein.

2. **PAYMENT TERMS:**

2.1 In lieu of the Services rendered by NSE Academy under this Agreement, Client shall pay such Consideration and, in such form, and manner, as provided in **Annexure 3**, to NSE Academy, in accordance with the terms and conditions of this Agreement. It is hereby clarified that any change/modification in the Consideration shall be subject to mutual agreement between the Parties in writing.

2.2 NSE Academy shall raise an invoice in favour of the Client towards the Consideration, in accordance with **Annexure 3**, within 7 (seven) days from signing this Agreement. Further, within 15 (fifteen) days from date of such invoice, the Client shall remit the Consideration to NSE Academy along with applicable taxes after deduction of withholding tax, if any. It is hereby clarified that in the event of withholding of tax, the Client shall be liable to provide tax deduction certificate to NSE Academy in accordance with the applicable Indian income tax laws.

2.3 In the event of cancellation or rescheduling of the Program, the Client shall provide a prior written notice of 30 days to NSE Academy. Further, a Program may be rescheduled by up to 48 hours prior to delivery within 30 days from the earlier scheduled Program ("**Earlier Schedule**") provided that a written notice to this effect is issued to NSE Academy. The Client shall be liable to pay the rescheduling charges to NSE Academy as provided in **Annexure 3**. It is hereby clarified that if the Client desires to reschedule the Program after 30 days of the Earlier Schedule, a nominal rescheduling fee will be applicable on same. In case the program is cancelled without a rescheduling date than cancellation charges shall be payable by the Client to NSE Academy as stipulated in **Annexure 3**.

2.4 Notwithstanding any discontinuation of the Program or non-completion of the Program by any Participant, the Client shall be liable to make payment of the entire Consideration to NSE Academy under this Agreement unless otherwise agreed between the Parties in writing.

3. **INDEMNITY**

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PRINCIPAL
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Each Party shall defend, indemnify and hold the other Party harmless against and in respect of any and all claims, damages, losses, liabilities, costs, expenses (including attorney fee) as a result of and/or arising out of material/willful breach of any terms of the Agreement, Terms of Use (to the extent applicable) and/or to the extent that any claim is made by a third party including but not limited to claim in relation to infringement of Intellectual Property Rights. In addition, the Client agrees to defend, indemnify and hold NSE Academy harmless against and in respect of any and all claims, damages, losses, liabilities, costs, expenses arising out of or in connection with (a) any action or proceeding brought against/initiated against NSE Academy by any Participant due to Client's breach of its obligations under this Agreement; and/or (b) any unauthorized use or disclosure of Learning Materials (*as defined below*)/any other material/training techniques used by the Trainers during the training session(s) for the Program. This Clause shall survive post termination of this Agreement.

4. **LIMITATION OF LIABILITY**

Under no circumstances shall either Party be liable to the other for any indirect, special, punitive, incidental or consequential damages howsoever arising, whether under any law of contract, tort or otherwise, even if informed of the possibility of the same. However, except in cases of gross negligence, willful misconduct, willful default, fraud, breach of intellectual property rights (including any third party's intellectual property rights) and/or misrepresentation, the Parties hereby agree and confirm that the total cumulative liability of each Party under this Agreement shall be limited to the contract value.

5. **INTELLECTUAL PROPERTY RIGHTS**

5.1 The Intellectual Property Rights of the respective Parties shall continue to remain with them and be their exclusive and absolute property. For avoidance of doubt, it is hereby clarified that NSE Academy is the absolute and exclusive owner of the Intellectual Property Rights pertaining to the training and learning kits, manuals, modules and other material, as may be provided/used by NSE Academy during the training sessions for the Program (collectively, **"Learning Materials"**). It is hereby clarified that nothing in this Agreement shall be construed as assignment/transfer/license of Intellectual Property Rights of any Party to the other in any manner or for any reason whatsoever. The Client and/or the Participants shall not misuse or make any unauthorized use or disclosure of the Learning Materials/any other material/information used by the Trainers. The Client and/or the Participants shall not *inter-alia* copy, videotape, photocopy, print, maintain soft copy formats of such Learning Materials. The Learning Materials/instructional materials and training techniques are intrinsic features of the NSE Academy's business, and the Client shall not conduct/organise any form of training or instructional programmes based on the aforesaid materials. Any commission or omission of act either by the Client or its agents/representatives/Participants shall be construed as infringement of Intellectual Property of NSE Academy.

5.2 The Parties agree and confirm that they will not acquire any right, title, or interest in the other Party's Intellectual Property Rights owned or developed by the other Party or licensed by the other Party from third party vendors.

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For the purpose of this Clause, "**Intellectual Property Rights**" mean and include trademarks and service marks, patents, registered designs, design rights (whether registered or not, pending or capable of registration) of NSE Academy, its affiliates, subsidiaries or group companies and copyright of any kind including know-how and trade secrets, logos, company names, domain names and trading names, and where appropriate, applications for any of the foregoing including all original work capable of protection under the applicable laws.

5.3 In the event the Client is required to use the trademarks, logos and banners for the purposes of this Agreement, NSE Academy may, in its sole discretion, grant a non-exclusive, non-assignable and non-transferable permission to the Client to use its trademarks, logos and banners, as may be necessary under the Agreement. In this regard, the Client shall ensure that such usage by the Client is strictly for the purposes of the Agreement and is subject to brand guidelines of NSE Academy, as may be provided by NSE Academy to the Client. Further, the Client agrees and understands that the permission to use the trademarks, banners and logo of NSE Academy, as per this Clause, is limited in nature and the same does not in any manner convey/assign/transfer any proprietary interest /ownership/right in such Intellectual Property Rights of NSE Academy. The Client shall immediately cease to use such trademarks, logos and banners upon termination and/or expiration of the Agreement (*as the case may be*) or as per the requirements of NSE Academy. The Client acknowledges and confirms that it will adhere to and comply with the said brand guidelines and general advertising policy as may be provided by NSE Academy to the Client.

6. TERM AND TERMINATION

6.1 This Agreement shall be valid for a period of 3 years commencing from the Effective Date ("**Term**") unless terminated in accordance with Clauses 6.2 and 6.3 below.

6.2 Either Party may terminate this Agreement without cause after providing a written notice of [60] days to the other Party.

6.3 Either Party may terminate this Agreement upon failure by the other Party to comply with its obligations hereunder after giving a cure period of 30 days to cure such breach/defect.

6.4 In case of termination of this Agreement by the Client under this Clause, the training sessions or the contract value committed under this Agreement but not executed till the effective date of termination shall be deemed to have been cancelled by the Client. For avoidance of doubt, it is hereby clarified that expiry or termination of this Agreement (whichever is earlier) will not prejudice any rights of the Parties that may have accrued prior thereto.

6.5 The Client agrees and understands that upon the expiry of the Product Term or early termination of the Agreement (i) the grant of right to access and use the Product by the Client and the Participants will expire automatically and with immediate effect; and (ii) the Client and the Participants shall cease to use the Product and remove all information/details in its possession (including its website, if any) regarding the Product (including the Intellectual Property Rights) within 3 (three) days from the

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effective date of expiry of the Product Term or termination of the Agreement (whichever is earlier). Further, upon expiry/termination of this Agreement, whichever is earlier, the right to access and use the Learning Materials by the Client and Participants shall cease with immediate effect.

7. **MISCELLANEOUS**

7.1 **Confidentiality:** Both Parties acknowledge that all material and information which has or will come into the other Party's possession or knowledge in connection with this Agreement or its performance hereof, consists of confidential and proprietary data, whose disclosure to or use by third parties will be damaging or cause loss to the disclosing party. The Parties agree and understand that irrespective whether marked confidential or not all such information which is not generally known to the receiving party or its personnel but is known pursuant to this Agreement shall be duly categorized as confidential at all times and shall be treated as "**Confidential Information**". For purposes of this Clause, Confidential Information includes the Product, Learning Materials and all information/data/documents/content made available by NSE Academy on the portal of the Product.

The receiving party and its personnel (if any) shall at all times maintain, the secrecy of all such Confidential Information and shall not use or disclose such Confidential Information except with a prior written consent of the disclosing party. The receiving party shall use at least the same degree of care in safeguarding the Confidential Information of the disclosing party as it uses in safeguarding its own confidential information, but in no event shall less than reasonable care be exercised. The receiving party shall promptly return to the disclosing party or at the disclosing party's request, destroy all copies of disclosing party's Confidential Information (including all data (personal or otherwise) pertaining to the disclosing party) in its possession within 15 (fifteen) business days from the date of request by the disclosing party in this regard and will certify to the disclosing party in writing that it has complied with the confidentiality obligations mentioned herein. It is hereby clarified that the Client shall ensure absolute compliance of the confidentiality obligations, as stated herein, by its personnel and Participants. The Client (as the receiving party) agrees to take appropriate action, with respect to Client's personnel and Participants, to ensure that the obligations of non-use and non-disclosure of Confidential Information (by the Client's personnel and the Participants under this Agreement) are fully and completely satisfied. The obligation to maintain confidentiality under this Clause shall survive the termination or expiry of this Agreement (as the case may be).

7.2 **Data Privacy**: The Parties shall at all times comply with all relevant requirements of Data Protection Legislations. For the purposes of this Clause, "**Data Protection Legislation**" means all statutes, enacting instruments, common law, regulations, codes of practice, decisions, recommendations and the like in India concerning the protection and/or processing of personal data, as may be amended or be applicable from time to time including the Information Technology Act, 2000 and Information Technology (Reasonable Security Practices and Procedures and Sensitive Personal Data or Information) Rules, 2011.

7.3 **Relationship between Parties**: The relationship between the Parties is that of principal-to-principal. Nothing contained in this Agreement shall be deemed to imply or constitute either Party as the agent or representative of the other Party, and as such neither Party shall be entitled to enter into any commitments or binding obligations for or on behalf of the other Party.

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7.4 **Quality Evaluation**: Notwithstanding anything to the contrary contained herein, NSE Academy reserves the right to record, audiotape, videotape the training sessions for its internal resource library. It is hereby clarified that any videos, photographs, participant feedbacks etc. may be used by NSE Academy for its internal quality evaluation for promotional content (excluding any mass distributed promotional activity) or for web trailers or for such other commercial purpose as NSE Academy deems fit.

7.5 **Assignment**: The Client shall not be entitled to assign/transfer/sub-contract any of its rights and/or obligations under this Agreement to any third party without the prior written consent of NSE Academy.

7.6 **Force Majeure**: If the performance of any obligations by either Parties is prevented, restricted, delayed or interfered by reason of force majeure events (including civil disturbance, riots, strikes, earthquakes, storm, tempest, acts of God, emergency, epidemic, pandemic) then notwithstanding anything to the contrary contained herein, the party affected shall be excused from its performance to the extent such performance relates to prevention, restriction, delay or interference and provided the party so affected uses its best efforts to remove such cause of non-performance and when removed the party shall continue performance of its obligations.

7.7 **Anti-money laundering:** The Client warrants represents and undertakes that while this Agreement remains in force; it will comply with all applicable laws and other governmental or regulatory requirements and guidance which may from time to time including but not limited to, those pertaining to tax reporting and money laundering statutes and the rules and regulations thereunder and any related or similar rules, regulations or guidelines issued administered or enforced by any governmental agency having jurisdiction over the Client (collectively "**Money laundering** Laws") and no suit or proceeding is pending by or before any court or governmental agency or authority etc. involving the Client with respect to Money laundering Laws.

7.8 **Anti-Bribery and corruption**: The Client confirms that it is aware of and understands its obligations under anti-bribery and corruption laws and confirms that it will at all times ensure that its directors, officers, agents, employees or other persons acting on its behalf in relation to the activities undertaken for the purpose of this Agreement are aware of and comply with both the letter and spirit of the applicable anti-bribery and corruption laws and are not aware of or have not taken any action that would result in a violation by such person of any such law or that they will not take any actions or make any omissions which would cause the Client to be in violation of applicable anti-bribery and corruption laws.

7.9 **Waiver**: No failure or delay by either Party in exercising any right, power or remedy under this Agreement shall operate as a waiver of the provisions of this Agreement, nor shall any single or partial exercise of the same preclude any further exercise thereof or the exercise of any other right, power or remedy.

7.10 **Publicity**: The Parties agree that they shall not make any public announcement, including press statements, or statements on the social media, and/or any disclosure of any nature whatsoever to

NSE ACADEMY LIMITED MUMBAI

Sr. G. Alvis Sahaya Mary
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

any person concerning the transaction and the terms and conditions contained in this Agreement without the prior written permission of the other Party.

7.11 **Severability**: If any part, term or provision of this Agreement, is held to be invalid or unenforceable, the same shall not affect the validity or enforceability of any other part or provision of this Agreement which shall remain in full force and effect.

7.12 **Amendment:** This Agreement shall not be amended, modified, altered or changed in any way except in writing executed by both Parties.

7.13 **Notices**: All notices, communications and other correspondence required or permitted by this Agreement shall be in writing and shall be sent to all the Parties simultaneously by (a) Email with confirmation copy sent by registered first class airmail, (b) by registered post, return receipt requested and postage prepaid, to the following address:

In the case of the Client to:
Kind Attn: Dr. S. Raju
Designation: Director of Professional Programmes
Professor, Department of MBA
Fatima College
Address: Mary Land, Madurai - 625018
Contact No. 9843999777
Email: directorprofpro@fcmdu.edu.in

Kind Attn: Ranganathan S
Designation: Chief Manager
Address: Old No :7, New No: 2, Nawab Garden, Murugappa Road,
Kotturpuram, Chennai - 600085
Contact No.9840774787
Email: ranganthans@nse.co.in

All such notices, communications and correspondence shall be sent and deemed to have been received only if the same has been sent to all the Parties as follows: (i) if by Email along with a delivery and read receipt upon receipt of the confirmation copy; and (ii) if by courier or registered, first class airmail, upon receipt or refusal of delivery. A Party may change the address to which notices are to be sent by a notice complying herewith to that effect. All notices shall be issued in English language.

NSE ACADEMY LIMITED MUMBAI

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FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

7.14 **Governing Law, Jurisdiction and Arbitration**: This Agreement shall be governed and construed in accordance with the laws of India and courts in Mumbai, India, shall have exclusive jurisdiction over all matters arising under this Agreement. All and any dispute arising out of or in connection with this Agreement, including any question regarding its existence, validity, breach or termination, shall be referred to and finally resolved through arbitration by a panel of 3 arbitrators, 1 (one) arbitrator being appointed by each of the Parties i.e. NSE Academy and the Client and third arbitrator shall be appointed by the 2 (two) arbitrators so appointed by the parties and such arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any modifications or amendments thereto, or any re-enactment for the time being in force. The seat of arbitration shall be Mumbai, India, and the language of arbitration shall be English. The decision of the said arbitrators shall be final and binding upon the parties. Both Parties shall bear the cost of the arbitration in equal proportion unless otherwise decided by the arbitrators. The parties agree that the existence and content of the arbitration and the terms of the order or award made in the arbitration shall, except as may be required by law, be kept confidential.

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IN WITNESS WHEREOF the Parties have appended their signature on the day, month and year mentioned above in token of having accepted the above terms and conditions.

Signed for and on behalf of :

Date: 27-09-2022 For NSE Academy Limited Authorized Signatory Name: Mr. Abhilash Misra Title: Chief Executive Officer In the Presence of Witness: 1. Mr. Ranganathan S Chief Manager, NSE Academy Ltd Mumbai	Date: 27-09-2022 For Fatima College Authorized Signatory Name: Dr.Sr.G.Celine Sahaya Mary Title: Principal In the Presence of Witness: 1. Dr. S. Raju Director of Professional Programmes Professor, Department of MBA Fatima College Madurai.

Annexure 1

Program Details

Program: Certificate Course on Business Analytics

Target Segment: MBA

Duration: 24 Hours (20 Hours-Training+ 4 Hours-Project)

Platform: NA

Access to the Product: NA

Batch Size: 80 students minimum per batch

Academic Cycle: 2022 – 2023 onwards

Course Delivery: Offline

NSE ACADEMY LIMITED MUMBAI

Dr. G. Celine Sahaya Mary
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

Annexure 2

Roles and Responsibilities of the Parties

NSE ACADEMY	Client
NSE Academy shall be responsible to: 1. Select the required number of Trainers for the purpose of conducting the Program. 2. Provide the Learning Materials (as NSE Academy may deem fit) for the purposes of the Program. 3. Issue certificate(s) to the Participants who have successfully completed the training for the Program. It is hereby clarified that the decision on whether the Participants have successfully completed the said training shall be mutually decided between the Parties. 4. Raise any objection or seek any clarification in relation to the information of the Participants/batch list, as provided by the Client.	The Client shall be responsible to: 1. Provide all necessary information and details pertaining to its Participants, batch/schedule list (including name, email address, qualifications, class schedule), prior to the commencement of the Program, to NSE Academy, as may be required by NSE Academy, to render the Services under this Agreement. 2. Communicate in writing to NSE Academy, the final and confirmed dates for conducting the Program at least 15 (fifteen) days prior to the scheduled date of the Program. 3. Make payment of the Consideration in a duly and timely manner as specified under the invoice(s) raised by NSE Academy in accordance with the terms and conditions of this Agreement. 4. Ensure that the admission of the Participants is duly completed prior to the commencement of the Program of the relevant batches. 5. Provide necessary support, help and extend co-operation to NSE Academy for the purpose of developing other educational program(s) on such terms as may be mutually agreed between the Parties.

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Annexure 3

Commercial Details, Payment terms and Mode of Payment

Total Consideration payable by the Client to NSE Academy: INR 2000 (Inclusive of GST) / Per Student

Minimum Guarantee: 80 students minimum per batch

Mechanism of Payment of Consideration: Through College.

Participants: The number of Participants mentioned shall be considered as confirmed Participants. In the event the actual number of Participants are more than the number of confirmed Participants, each such additional participant shall be charged pro-rata plus taxes as applicable over and above the total [INR 2000 (Inclusive of GST) / Per Student] payable by the Client to NSE Academy under this Agreement.

Mode of Payment of Consideration: The Client shall make payment of the [INR 2000 (Inclusive of GST) / Per Student] by cheque/demand draft/ECS/NEFT/RTGS facility in accordance with the details and specifications provided by NSE Academy in this regard.

Rescheduling Charges: Nil

Cancellation Charges: 50 % of Course Fees

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Dr. J. Alvis Sahaya Mary
PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018

CorpWorx

Memorandum of Understanding (MoU)

This Memorandum of Understanding is signed between the Fatima College (Autonomous), Madurai (hereafter named Party 1) Party 1 is represented by **Dr. Sr. G. Celine Sahaya Mary**, Principal, Fatima College, Madurai. Party 2 is represented by **Mrs. Vidya Kottaiveedu**, founder of Corpworx - a platform that connects technology start-ups with office at Monroe, New Jersey, USA.

The two parties hereby mutually agree upon and place on record their signature on this document with their full conscious understanding and acceptance in the matters mentioned as below.

- Corpworx will arrange Live project and they are willing to train interested students during their studies and provide industrial exposure in the functional domain.
- Corpworx shall agree guiding students (both UG/PG) on various aspects of the project work and shall monitor their progress till the completion of the project.
- Corpworx will ensure by briefing and demonstrating the students to understand the nature of the project work through on-line.
- This project work is purely part-time and it is entertained by the students only during the hours approval by the college.
- Corpworx will arrange and organize experts for Guest Lectures
- Corpworx strongly believes that the students should be paid for their efforts according to the norms of Industry. The term for payment/stipend will be communicated to the students prior to beginning the training of the project and also agree to pay incentive based on the performance of students.
- Corpworx shall provide a certificate to the students after successful completion of the project carried out.
- Based on the criteria for the project Fatima College, Madurai shall provide a shortlist of students interested in undertaking part time job.

- ❖ Fatima College, Madurai shall provide infrastructure and mentoring to the students.
- ❖ Fatima College has agreed to develop an incubator in the college for this project and future projects.

This Memorandum of Understanding is valid for the period of Three Years from the Ninth date of March 2020 (09.03.2020) to Ninth date of March 2023 (09.03.2023).

In consent of these terms, the parties affix their Signatures here below,

Party 1

Dr. G. Celine Sahaya Mary

(Dr. Sr. G. Celine Sahaya Mary)
Principal
Fatima College (Autonomous)
Maryland, Madurai.

PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018.

(Dr. S. Raju)
Director
Department of Management Studies
Fatima College, Madurai.

Party 2

Vidya Kottaiveedu

(Mrs. Vidya Kottaiveedu)
Founder of Corpworx
Monrow, New Jersey, USA.

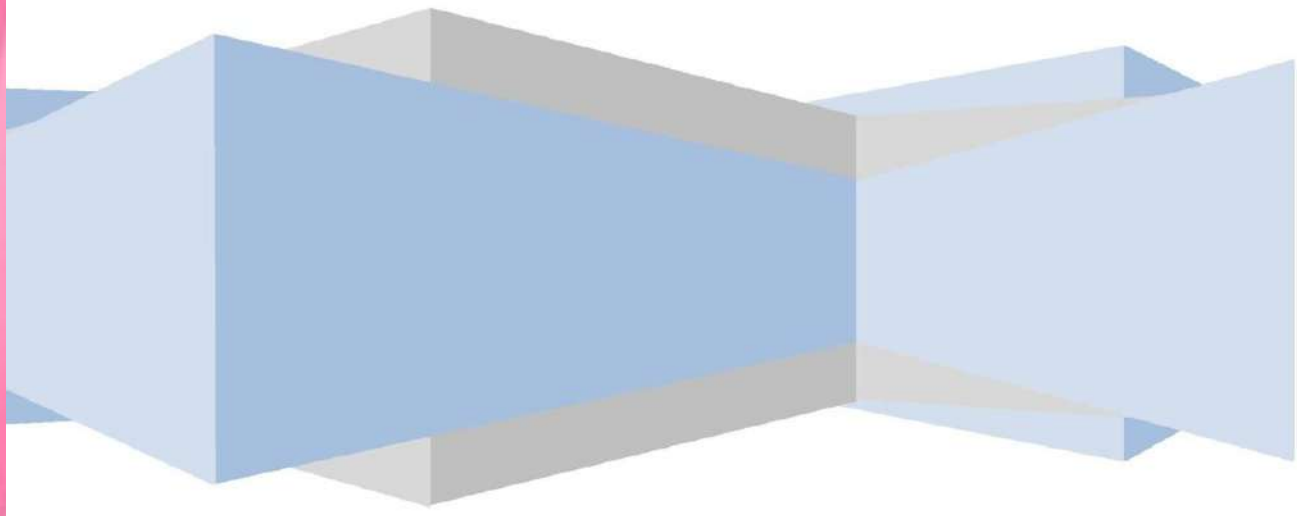
Memorandum of Understanding

between

Fatima College,
Madurai, Tamilnadu

and

nmore,
Secunderabad



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MoU with B-Schools- Live Projects

This MoU is to formalize terms of association between *M/s* ***nmore,*** a strategic advising firm providing Marketing Research, Analytics and Corporate & Academic Training services in India and abroadand**Fatima College, Madurai, Tamilnadu**(henceforth known as **Fatima, Madurai**)for providing the Students of the B-School with opportunities to work on Live Projects with the Prospects and Clients of nmore.

1. **Background**

Researchers and educators at nmore and **Fatima, Madurai** wish to cooperate and collaborate in the field of academics and applied research.

This MoU intends to provide opportunities to students and their guides (faculty members) to interact and work with nmore and their client organizationsonLive Project/s involving various industrial and functional domains. With over 8 years of experience in academics and research, we understand the need and importance for students of**Fatima, Madurai**towork on live projects.

nmore will source the projects and share the same with students, guiding students on various aspects of the project work and monitoring their progress till the completion of the project.

In cases where **Fatima, Madurai**sources Live Projects directly from Organizations and where they wish to avail of nmore's expertise in executing these projects, the same shall be considered on a case-to-case basis.

2. **Objectives**

nmore and **Fatima, Madurai**wish to cooperate for the purpose of:

i) Strengthening and broadening the concepts&practices of Research and Analytics among students.
ii) Familiarizing students with the latest techniques in research - both qualitative as well as quantitative
iii) Enhancing the students' competence in analytic skills.
iv) Building **Fatima, Madurai**reputation in the industry by guiding students to work on Live projects and submitting quality Project Reports to the organization
v) Strengthening the morals and work ethics of students for personality development
vi) Providing certificates to students of having carried outsatisfactorily the work assigned

3. **Benefits**

a. **Institute Perspective**:Awareness and recognition in the Industry, Live projects for students, placement opportunities, advertisement and contacts
b. **Student Perspective**:Hands-on experience with practical applications, certification, live project opportunities, analytical skills, graphical presentation techniques and better chance of getting PPOs (Pre-Placement Offers)
c. **Client Perspective**:Data integrity, professional output, service assurance, confidentiality of consolidated data and actionable recommendations
d. nmore **Perspective :** Learning and geographic coverage

4. **Rationale**

B-School Students usually get a chance to practice what they have learnt in the classroom during their summer internships. However, organizations'needs are not confined to the summer season alone. Most timesorganizations pick up summer interns as a matter of precedence or routine and assign a mundane job with no great learning value or even an opportunity to apply the skills learnt in the classroom.

On the other hand, there are many organizations which need a genuine assignment to be carried out and cannot afford big time Research agencies. At the same time they are not willing to risk their money by employing inexperienced students.

This is where nmore steps in. We provide the professional guidance required, to the students during their short term internship. This guarantees quality of work to the organization and a great learning experience to the students.

We believe in giving the students an enriching experience and the freedom to apply classroom learning. Students do not just act as field data collectors, but are involved in all activities right from problem identification to exploratory research to questionnaire design and analysis of data as per the demands of the project.

5. **Activities**

Based on the criteria for the project(knowledge of local language, gender, specialization, graduate stream etc.),**Fatima, Madurai**shall provide a shortlist of students interested in undertaking the project.

From the shortlist provided, nmore shall select students through personal / telephonic / on-line interviews. A project briefing and demonstration session for students to understand the nature of the research work shall be organized through personal meetings / on-line.

Students will be working with nmore' steam throughout the project. Students have to update nmore on the progress of the project on a daily basis through mails / telephone. The daily report shall consistof the activities carried out during the day and also activities plannedfor the next day / week (as per the duration of the project).

An online group shall be formed to facilitate smooth exchange of communications amongst the students, faculty members involved and nmore.

6. **Stipend to Interns**

Although it is not a norm in the industry to pay students for projects, we stronglybelieve that the students should be paid for their efforts. The terms for payment of stipend will be communicated to the students prior to beginning the project work. In case of nmore's suo-motu (own) projects, they shall be paid as per the norms of nmore which will also be communicated prior to the project.

7. **Certificate**

The certificate of having carried out the Project shall be provided by the Organization directly. In case of suo-motu projects, nmore shall issue the certificate.

8. Expectations from B-Schools:

An in-principle consent / approval to support this initiative of nmore by way of signing this MoU. Considering the short term of nature of most projects, timelines are critical.

In view of this, **Fatima, Madurai**should ensure that information provided by nmore about the forthcoming Live Projects is conveyed to the students in time.

Allow the students enough time to work on the project by providing sufficient amount of time for the Project work.Our projects are designed in a manner so as not to disturb the students' regular academic work.

As per the**Fatima, Madurai**policy, authorizestudentsto utilize available resources such as

i. Premises
ii. Computers & Printers
iii. LCD Projector, Internet, Wi-Fietc., with access to online communication sites being used by us viz., Skype, Google / Yahoo groups etc.,
iv. Library resources, including Databases,
v. Photocopying and Communications equipment at cost (students)
vi. And other such facilities as may be required from time to time (prior permission of which will have to be provided to the students by the respective B-school authorities)

Motivate faculty members, staff and management to contribute their mite for strengthening this initiative for the benefit of the students and consequently to the Institute too.

9. Outcomes expected

i) Increase in the quality and numbers of placements through better and more number of organizations joining the placements process.
ii) Enhancing analytical abilities and awareness of various analytics techniques among students
iii) Encouraging students to apply the analytics techniques in an innovative manner. This is our focus area.
iv) Building the B-School's reputation in the industry by guiding students to work on Live projects and submitting quality Project Reports to the organization
v) Strengthening the morals and work ethics of students for personality development
vi) Providing certificates to students

10. Duration of the MoU

This is an ongoing Memorandum of Understandingand will remain in force till such time as one or both parties decide to terminate the same.

11. Termination of MoU

We work ina highly ethical, integrity oriented and value based environmentand guarantee quality of work to the client organizations. We trust thatstudentsworking on the Live Projects with us will uphold the same values.

Any breach of this trust may result in recalling the students and review of this MoU. The Institute also may terminate this MoU if they find the services of nmore wanting.

In consent of these terms, the parties affix their signatures herebelow:

Signature with seal
(If Write Name & Designation of Signatory)
Fatima College, Madurai
Madurai, Tamilnadu

PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018.

Date: 01-July, 2015

Signature with Seal
Uday Bhate – Founder Partner
nmore
Secunderabad
Date: 01-July, 2015

Memorandum of Understanding

Between

Fatima College, (Autonomous)

Madurai, Tamilnadu

And

SYSTEMS DOMAIN

Systems Domain
...Opportunities Unlimited

(Certified With ISO 9001:2008)
30/1,3rd Floor, Leeman's Complex, Next to Just Dial
Cunningham Road,
Bangalore - 560052

Systems Domain
...Opportunities Unlimited

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MoU with B-Schools- Live Projects

This MoU is to formalize terms of association between ***M/s*** **Systems Domain, Madurai, Tamilnadu,** a strategic advising firm providing Marketing Research, Analytics and Corporate & Academic Training services in India and abroad and **Fatima College, Madurai, Tamilnadu** (henceforth known as **Fatima, Madurai**) for providing the Students of the B-School with opportunities to work on Live Projects with the Prospects and Clients of **Systems Domain, Madurai**.

1. **Background**

Researchers and educators at **Systems Domain, Madurai** and **Fatima, Madurai** wish to cooperate and collaborate in the field of academics and applied research.

This MoU intends to provide opportunities to students and their guides (faculty members) to interact and work with **Systems Domain, Madurai** and their client organizations on Live Project/s involving various industrial and functional domains. With over 8 years of experience in academics and research, we understand the need and importance for students of **Fatima, Madurai** to work on live projects.

Systems Domain, Madurai will source the projects and share the same with students, guiding students on various aspects of the project work and monitoring their progress till the completion of the project.

In cases where **Fatima, Madurai** sources Live Projects directly from Organizations and where they wish to avail of **Systems Domain, Madurai**'s expertise in executing these projects, the same shall be considered on a case-to-case basis.

2. **Objectives**

Systems Domain, Madurai and **Fatima, Madurai** wish to cooperate for the purpose of:

i) Strengthening and broadening the concepts & practices of Research and Analytics among students.
ii) Familiarizing students with the latest techniques in research - both qualitative as well as quantitative
iii) Enhancing the students' competence in analytic skills.

iv) Building **Fatima, Madurai** reputation in the industry by guiding students to work on Live projects and submitting quality Project Reports to the organization
v) Strengthening the morals and work ethics of students for personality development
vi) Providing certificates to students of having carried out satisfactorily the work assigned

3. Benefits

1. **Institute Perspective**: Awareness and recognition in the Industry, Live projects for students, placement opportunities, advertisement and contacts
2. **Student Perspective:** Hands-on experience with practical applications, certification, live project opportunities, analytical skills, graphical presentation techniques and better chance of getting PPOs (Pre-Placement Offers)
3. **Client Perspective:** Data integrity, professional output, service assurance, confidentiality of consolidated data and actionable recommendations
4. **Systems Domain, Madurai Perspective :** Learning and geographic coverage

4. Rationale

B-School Students usually get a chance to practice what they have learnt in the classroom during their summer internships. However, organizations' needs are not confined to the summer season alone. Most times organizations pick up summer interns as a matter of precedence or routine and assign a mundane job with no great learning value or even an opportunity to apply the skills learnt in the classroom.

On the other hand, there are many organizations which need a genuine assignment to be carried out and cannot afford big time Research agencies. At the same time they are not willing to risk their money by employing inexperienced students.

This is where **Systems Domain, Madurai** steps in. We provide the professional guidance required, to the students during their short term internship. This guarantees quality of work to the organization and a great learning experience to the students.

We believe in giving the students an enriching experience and the freedom to apply classroom learning. Students do not just act as field data collectors, but are involved in all activities right from problem identification to exploratory research to questionnaire design and analysis of data as per the demands of the project.

5. Activities

Based on the criteria for the project (knowledge of local language, gender, specialization, graduate stream etc.), **Fatima, Madurai** shall provide a shortlist of students interested in undertaking the project.

From the shortlist provided, **Systems Domain, Madurai** shall select students through personal / telephonic / on-line interviews. A project briefing and demonstration session for students to understand the nature of the research work shall be organized through personal meetings / on-line.

Students will be working with **Systems Domain, Madurai'** steam throughout the project. Students have to update Systems Domain, Madurai on the progress of the project on a daily basis through mails / telephone. The daily report shall consist of the activities carried out during the day and also activities planned for the next day / week (as per the duration of the project).

An online group shall be formed to facilitate smooth exchange of communications amongst the students, faculty members involved and **Systems Domain, Madurai**.

6. Certificate

The certificate of having carried out the Project shall be provided by the Organization directly. In case of suo-motu projects, **Systems Domain, Madurai** shall issue the certificate.

5. Expectations from B-Schools:

An in-principle consent / approval to support this initiative of **Systems Domain, Madurai** by way of signing this MoU. Considering the short term of nature of most projects, timelines are critical.

In view of this, **Fatima, Madurai** should ensure that information provided by **Systems Domain, Madurai** about the forthcoming Live Projects is conveyed to the students in time.

Allow the students enough time to work on the project by providing sufficient amount of time for the Project work. Our projects are designed in a manner so as not to disturb the students' regular academic work.

As per the **Fatima, Madurai** policy, authorize students to utilize available resources such as

i. Premises
ii. Computers & Printers
iii. LCD Projector, Internet, Wi-Fi etc., with access to online communication sites being used by us viz., Skype, Google / Yahoo groups etc.,
iv. Library resources, including Databases,
v. Photocopying and Communications equipment at cost (students)
vi. And other such facilities as may be required from time to time (prior permission of which will have to be provided to the students by the respective B-school authorities)

Motivate faculty members, staff and management to contribute their mite for strengthening this initiative for the benefit of the students and consequently to the Institute too.

6. Outcomes expected

i) Increase in the quality and numbers of placements through better and more number of organizations joining the placements process.
ii) Enhancing analytical abilities and awareness of various analytics techniques among students
iii) Encouraging students to apply the analytics techniques in an innovative manner. This is our focus area.

iv) Building the B-School's reputation in the industry by guiding students to work on Live projects and submitting quality Project Reports to the organization
v) Strengthening the morals and work ethics of students for personality development
vi) Providing certificates to students

7. Duration of the MoU

This is an ongoing Memorandum of Understanding and will remain in force till such time as one or both parties decide to terminate the same.

8. Termination of MoU

We work in a highly ethical, integrity oriented and value based environment and guarantee quality of work to the client organizations. We trust that students working on the Live Projects with us will uphold the same values. Any breach of this trust may result in recalling the students and review of this MoU. The Institute also may terminate this MoU if they find the services of **Systems Domain, Madurai** wanting.

In consent of these terms, the parties affix their signatures here below:

Signature with Seal

Principal

Mary Land, Madurai -18.

Date : 18.11.2016

Signature with Seal

Mrs.Rajalakshmi

Director

Systems Domain,

(Certified With ISO 9001:2008)

30/1, 3rd Floor, Leeman's Complex, Next to Just Dial

Cunningham Road, Bangalore – 560 052

Date : 18.11.2016

Memorandum of Understanding

Between

Fatima College (Autonomous)

M.B.A Programme

and

Tamilnadu Council for Enterprise Development (TACED)

MoU with M.B.A Program, Fatima College (Autonomous), Madurai – Research and Consultancy

This MoU is to formalize terms of association between *TACED,* an enterprise promotional and consultancy organization a registered society providing training, Research and Consultancy services to MSME and MBA Programme, Fatima College (Autonomous), Madurai, for providing the Students of the M.B.A Program, Fatima College (Autonomous) with opportunities to work on Live Projects with the Prospects and Clients of TACED.

1. *Background*

Consultants and Entrepreneur Trainers at TACED and MBA Programme, Fatima College (Autonomous), wish to cooperate and collaborate in the field of training, consultancy and applied research.

This MoU intends to provide opportunities to students and their guides (faculty members) to interact and work with TACED and their client organizations on Live Project/s involving various industrial and functional domains. With over 23 years of experience in consultancy and enterprise promotional activities, we understand the need and importance for students of MBA Programme, Fatima College (Autonomous), Madurai to work on live projects.

TACED will source the projects and share the same with students, guiding students on various aspects of the project work and monitoring their progress till the completion of the project.

In cases where MBA Programme, Fatima College (Autonomous), sources Live Projects directly from Organizations and where they wish to avail of TACED's expertise in executing these projects, the same shall be considered on a case-to-case basis.

2. *Objectives*

TACED and MBA Programme, Fatima College (Autonomous), wish to cooperate for the purpose of:

i) Strengthening and broadening the concepts of Research, consultancy and enterprises development among students and faculty.

ii) Getting faculty expertise for project identification ,studying the feasibility and preparing business plan

iii) Enhancing the students' competency in enterprises development

iv) Building reputation of MBA Programme, Fatima College (Autonomous), among trade & industry by providing research and consultancy on Live projects and submitting quality Project Reports to MSMES.

v) Strengthening the morals and work ethics of students for inclusive development

vi) Providing certificates to students of having carried out satisfactorily work level

3. *Benefits*

a. **Institute Perspective:** Awareness and recognition in the Industry, Live projects for students, placement opportunities, advertisement and contacts

b. **Student Perspective:** Hands-on experience with practical applications, certification, live project opportunities, analytical skills, graphical presentation techniques and better chance of getting PPOs (Pre-Placement Offers)

c. **Client Perspective:** Data integrity, professional output, service assurance, confidentiality of consolidated data and actionable recommendations

d. TACED **Perspective :** Learning ,Spreading consultancy services

4. *Rationale*

B-School Students usually get a chance to practice what they have learnt in the classroom during their summer internships. However, organizations' needs are not confined to the summer season alone. Most times organizations pick up summer interns as a matter of precedence or routine and assign a mundane job with no great learning value or even an opportunity to apply the skills learnt in the classroom.

On the other hand, there are many organizations which need a genuine assignment to be carried out and cannot afford big consultancy firms . At the same time they are not willing to risk their money by employing inexperienced students.

This is where TACED steps in. We provide the professional guidance required, to the students during their short term internship. This guarantees quality of work to the organization and a great learning experience to the students.

We believe in giving the students an enriching experience and the freedom to apply classroom learning. Students do not just act as field data collectors, but are involved in all activities right from problem identification to exploratory research to questionnaire design and analysis of data as per the demands of the project.

5. *Activities*

Based on the criteria for the project MBA Program, Fatima College (autonomous), Madurai shall provide a list of students interested in undertaking the project.

TACED shall select students. A project briefing and demonstration session for students to understand the nature of work.

Students will be working with TACED's team throughout the project. Students have to update

TACED on the progress of the project on a daily basis. The daily report shall consist of the activities carried out during the day and also activities planned for the next day / week (as per the duration of the project).

An online group shall be formed to facilitate smooth exchange of communications amongst the students, faculty members involved and TACED.

6. *Stipend to Interns*

Students and the Faculty members will be paid stipend for projects of commercial value. The terms for payment of stipend will be communicated to the students prior to beginning the project work.

7. *Certificate*

The certificate of having carried out the Project shall be provided by the Organization directly

8. *Expectations MBA Programme, Fatima College (Autonomous):*

Allow the students enough time to work on the project by providing sufficient amount of time for the Project work.

Authorize students to utilize available resources such as

i. Premises

ii. Computers & Printers

iii. LCD Projector, Internet, Wi-Fi etc., with access to online communication sites being used by us viz., Skype, Google / Yahoo groups etc.,

iv. Library resources, including Databases,

v. Photocopying and Communications equipment at cost (students)

vi. And other such facilities as may be required from time to time (prior permission of which will have to be provided to the students by the respective MBA Program authorities)

Motivate faculty members, staff and management to contribute their mite for strengthening this initiative for the benefit of the students and consequently to the Institute too.

9. *Outcomes expected*

i) To inculcate research culture

ii) Encouraging students to an enterprise development

iii) Building the MBA Programme reputation in the industry by guiding students to work on Live projects and submitting quality Project Reports to the organization

iv) Strengthening the morals and work ethics of students for personality development

v) Providing certificates to students

10.*Duration of the MoU*

This is an ongoing Memorandum of Understanding and will remain in force till such time as one or both parties decide to terminate the same.

11.*Termination of MoU*

We work in a highly ethical, integrity oriented and value based environment and guarantee quality of work to the client organizations. We trust that students working on the Live Projects with us will uphold the same values.

Any breach of this trust may result in recalling the students and review of this MoU. The Institute also may terminate this MoU if they find the services of TACED wanting.

In consent of these terms, the parties affix their signatures here below:

Principal
Fatima College (Autonomous),
Madurai

PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 625 018.

Date :

Dr PN.Narayanaraja
President

TACED

தமிழ்நாடு तमिलनाडु TAMILNADU

DY 535767

11 NOV 2024

TARCIN ROBOTIC LLP
MADURAI

S.R. சீனிவாசன்
ROC NO: 13027 / B1 / 90

MEMORANDUM OF UNDERSTANDING BETWEEN

TARCIN ROBOTIC LLP, MADURAI

AND

DEPARTMENT OF MCA , FATIMA COLLEGE (AUTONOMOUS) , MADURAI.

The MEMORANDUM OF UNDERSTANDING is entered at Madurai on 11th day of November 2024 between:

Tarcin Robotic LLP., company having its registered office at Madurai, Tamil Nadu, India, and represented by undersigned of the **ONE PART**.

And

Department of MCA , Fatima College , Mary Land , Madurai-18 situated at Madurai, Tamil Nadu, India, isrepresented by undersigned of the **OTHER PART.**

Whereas Tarcin Robotic LLP., company and Department of MCA , Fatima College , Madurai shall be hereinafter jointlyreferred to as the 'Parties' and singularly as 'Party One and Party Two' respectively.

The parties have decided to agree to establish academic collaboration in areas of mutual interest and in accordance with terms and conditions set forth in this MEMORANDUM OF UNDERSTANDING (MOU) between **Tarcin Robotic LLP,** company and **Department of MCA, Fatima College,** Madurai, dated **11-11-2024.**

The Parties to this Memorandum of Understanding (MOU) agree to the following:

ARTICLE 1: OBJECTIVES AND PURPOSE

The purpose of this MoU is to establish a strategic academic collaboration that benefits the educational, professional, and personal development of the students of Fatima College (Master of computer application). This agreement outlines initiatives for joint activities in technical training, internships, curriculum development, faculty enrichment, and placements, aiming to bridge the gap between academic learning and industry requirements.

ARTICLE 2: SCOPE OF COLLABORATION

2.1 Technical Training Programs

- The First Party will conduct certification courses, workshops, and technical training sessions for students from the Second Party in fields such as **Cloud Computing** (Microsoft Azure, AWS, GCP), **Artificial Intelligence, Machine Learning,** and other emerging technologies.

2.2 Internships and Industrial Exposure

- The First Party will provide internship and in-plant training opportunities, offering hands-on experience in real-world industrial settings.
- Industrial visits to the First Party's facilities will be organized for students and faculty of the Second Party, giving insights into practical applications of their studies and current industry practices.

2.3 Curriculum Enhancement

- The First Party will collaborate with the Second Party in curriculum design, offering recommendations and updates to ensure that students acquire relevant skills and knowledge for today's job market.
- This collaboration will focus on aligning academic courses with industry needs, with the aim of preparing graduates for successful careers.

2.4 Placement Opportunities

- The First Party will assess and identify students for placement opportunities based on their performance during training and internships.
- Internship performance will be tracked through periodic assessments, and placement offers will be extended to high-performing students based on First Party's hiring criteria and availability.

ARTICLE 3: ROLES AND RESPONSIBILITIES

3.1 Responsibilities of the First Party (Tarcin Robotic LLP)

- To provide training materials, resources, and access to industry-standard facilities for workshops, internships, and faculty training.
- To assess students' performance through evaluations conducted during and after training sessions.
- To support the development of a relevant and up-to-date curriculum and collaborate with faculty for its integration.
- To provide guest lectures, technical seminars, and skill development workshops as part of the academic collaboration.

3.2 Responsibilities of the Second Party Department of MCA, Fatima College

- To facilitate training programs by providing infrastructure, classrooms, and logistical support for on-campus sessions.
- To encourage students and faculty to participate actively in all collaborative programs offered by the First Party.

- To provide necessary permissions for students to attend training sessions, workshops, and industry visits.

ARTICLE 4: INTELLECTUAL PROPERTY RIGHTS

This MoU does not grant either Party any rights, title, interest, or license to use the intellectual property (IP) of the other Party unless otherwise agreed upon in a separate written agreement. Any IP arising out of collaborative projects or training will remain the property of the creating Party unless mutually agreed.

ARTICLE 5: NON- EXCLUSIVITY

This MoU is a non-exclusive agreement, allowing both Parties to pursue other agreements, collaborations, or partnerships, provided these do not interfere with the objectives and commitments specified in this MoU.

ARTICLE 6: DURATION AND TERMINATION

6.1 Term

- This MoU is valid for a period of **five years** from the date of signing. Renewal may occur by mutual agreement based on the progress and performance of both Parties.

6.2 Termination

- Either Party may terminate this MoU by giving a **three-month written notice** to the other Party. In the event of termination, both Parties agree to complete any outstanding obligations.

ARTICLE 7: RELATIONSHIP OF THE PARTIES

This MoU does not create any joint venture, partnership, or legal agency relationship between the Parties. Each Party will operate independently and is not authorized to represent or make commitments on behalf of the other without explicit consent.

ARTICLE 8: DISPUTE RESOLUTION AND JURISDICTION

8.1 Dispute Resolution

- Any dispute arising out of or in connection with this MoU shall be resolved amicably through discussion. If unresolved, the dispute will be referred to arbitration under the **Arbitration and Conciliation Act, 1996**, with proceedings conducted at the district headquarters of the Second Party (Fatima College).

8.2 Jurisdiction

- This MoU shall be governed by and interpreted according to the laws of **India**, with exclusive jurisdiction in the courts of **Madurai**.

ARTICLE 9: SIGNATORIES

In witness thereof, the Parties, through their authorized representatives, have executed this Memorandum of Understanding on the day and year first above written.

Name: A. ALAUDEEN

On behalf of, For TARCIN ROBOTIC LLP
Designated Partner

Tarcin Robotic LLP,
Madurai.

Date: 11.11.2024.

Name: S. MARY HELAN FELISTA.

On behalf of, Head of the Department
Department of MCA
Fatima College (Autonomous)
Madurai-625 018

Department of MCA, Fatima College (Autonomous), Madurai.

Date: 11.11.2024

WITNESSES

1. 11/11/24

2. 11/11/24

தமிழ்நாடு तमिलनाडु TAMIL NADU

7TAB 427937

10/12/2020

FATIMA COLLEGE, MDU

T.V.ANNAMALAI GOUNDER
SV 3385/95 CNGEE
TAMILNADU

Memorandum of Understanding

This agreement is brought upon this **10th December 2020**, between Vivara Tech, a company , having its **Registered Office** at Old No. 6, New No. 11, A1, Rajni's Deivalohaa Apartment , Convent STreet, Shenoy Nagar, Chennai-600030 (hereinafter referred as the **"Vivara"**) and **MCA Programme, Fatima College(Autonomous), Mary Land, Madurai – 625 018. Tamil Nadu** (hereinafter called as **MCA - Fatima College**)

For the Consultancy Project Titled: 'Books/E Books/ Content Development'

CLAUSE 1: RECITALS

WHEREAS, Publisher is a Book Publishing and Distribution Company and the MCA-Fatima College is engaged in providing content development services.

S Vanisri Deepak

WHEREAS, Vivara being a publishing company under requirement has contacted MCA -Fatima College to provide certain SERVICES pertaining to Content Development as being defined under this agreement (hereinafter called as 'Content Development Services')

WHEREAS, MCA Department has agreed to do the Content Development Services in accordance with the demand and standards of the Vivara and as per the professional skills, personnel and technical resources, as discussed herein in accordance with the terms and conditions set forth in this agreement.

CLAUSE 2: APPOINTMENT

In accordance with this agreement, the MCA -Fatima College is being hereby appointed for providing **Books/E Books Content Development s**ervices as mentioned herein in CLAUSE 3.

CLAUSE 3: SERVICES

On the terms and subject to the conditions of this Agreement and in consideration of the fee set out in CLAUSE 4.1 of this Agreement, MCA -Fatima College agrees to render the same accordingly to the Vivara the Content Development services set out below. The MCA -Fatima College will be providing the service related to the requirements of Vivara according to the terms and condition of this Agreement as mentioned herein further.

CLAUSE 4: PROJECT SCHEDULE FOR COMPLETION OF TASKS

It is required that the project be completed in stages within the time assigned from the award of the agreement in writing.

S. Vamsi Deepak

The handing over of the project should include all copyright assignment of all pictures and any other materials used by the **MCA -Fatima College** with permission from respective owners.

4.1 COMPENSATION AND CONSIDERATION:

A payment would be made to the MCA -Fatima College of Fatima College, Madurai on a case to case basis.

4.2 PAYMENT TERMS:

(a) In consideration of the services of Book/Ebook/Content Development services by the MCA -Fatima College under this agreement, the Vivara shall make a payment as stated above. TDS to be deducted as applicable.

(b) If MCA -Fatima College determines that there has been an error or an omission in the calculation of the Service Fee, it shall discuss the matter with Vivara and shall issue an invoice or credit memo as appropriate.

(c) Payments will only be made on precondition that all deliveries shall be made in time as per scheaule mentioned in this agreement under CLAUSE 4.1.

CLAUSE 5: TERMS AND TERMINATION

5.1 Term

This Agreement shall continue in force for a fixed task from the Effective Date for a period of one year, unless terminated earlier in accordance with the CLAUSE: 5.2.

5.2 Termination for Convenience

S Vamsi Deepak

This Agreement shall terminate immediately without notice:

(a) Upon the institution of insolvency, receivership or bankruptcy proceedings by or against either Party;

(b) Upon either Parties breach of any terms and conditions of the agreement.

CLAUSE 6: LIMITATIONS OF MCA -FATIMA COLLEGE LIABILITY AND INDEMNIFICATION

(a) The MCA -Fatima College shall return each and every product (services) or C.D.'s which ever will be used at the time of the preparation of the **Content Development** services, all the scrap which will be accumulated at the time of preparation of the services will have to be handed over to the Vivara by the MCA -Fatima College after completion of the project as per schedule.

(b) The MCA -Fatima College agrees that, during the term of this Agreement and after its termination, the MCA -Fatima College and any entity affiliated with the MCA -Fatima College, shall be disqualified from providing goods, works or services (other than consulting services) resulting from or directly related to the MCA -Fatima College's Services for the preparation or implementation of the project.

(c) Except with the prior written consent of the Vivara, the MCA -Fatima College and its Personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant and the Personnel make public the recommendations formulated in the course of, or as a result of, the Services.

CLAUSE 7: INDEPENDENT CONTRACTORS

The relationship of the Parties established by this Agreement is that of an independent contractor, and nothing contained in this Agreement shall be construed to:

(a) Give either Party the power to direct and control the day-to-day activities of the other;

(b) Allow either Party to create or assume any obligation on behalf of the other Party for any purpose whatsoever.

(c) Create the existence of a partnership between the Parties.

(d) The Vivara represents and warrants that it holds the valid copyright in its own name or copyright license from the lawful holder of the books/ work and does in no manner make the MCA -Fatima College as copyright owner / licensor of the said books and / or contents thereof whether in the same or other printing forms, electronic or not. The Parties hereto further acknowledge and agree that all Intellectual Property rights, i.e. Copyright and designs of the respective party including all of the goodwill of the business associated therewith whether existing in their name as on date or acquired by it during or after the termination of this **Agreement**; are and shall hereafter continue to be the exclusive property of the Vivara.

CLAUSE 8: FORCE MAJEURE

Either party cannot claim losses in case of force majeure beyond both parties control including any act of God, fire, flood, frost, storm, earthquake, explosion, rioting and labour trouble, change of government in the country etc.

CLAUSE 9: ENTIRE AGREEMENT

This Agreement constitutes the entire understanding between the Vivara & MCA -Fatima College with respect to the subject matter hereof and all prior agreements or understandings shall be deemed merged herein. No representations, warranties and certifications, express or implied, shall exist as between Vivara & MCA -Fatima College except as stated herein.

9.1 Amendments

No amendments, waivers or modifications hereof shall be made or deemed to have been made unless in writing executed by the Party to be bound thereby.

9.2 Severability & Interpretation

If any provision in this Agreement or the application of such provision to any person or circumstance shall be invalid, illegal or unenforceable, the remainder of this Agreement or the application of such provision to persons or circumstances other than those to which it is held invalid, illegal or unenforceable shall not be affected thereby.

9.3 Counterparts

This Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which when taken together shall constitute this Agreement.

CLAUSE 10: DISPUTES & APPLICABLE LAW AND JURISDICTION

All disputes shall be only entertained in Chennai for the jurisdiction point of view.

IN WITNESSES WHEREOF, the undersigned having caused this Agreement to be duly executed and operable as of the Effective Date.

Name of Publishing Company Vivara Tech	**Name of the Consultancy Provider** **MCA -Fatima College**	**PRINCIPAL, FATIMA COLLEGE, MADURAI**
Authorized signatory: VIVARA TECH Old No.6, New No.11, A1, Rajni's Deivalohaa, Convent Street, Shenoy Nagar, Chennai-600 030.	Signature D.JEYA MALA ASSOCIATE PROFESSOR DIRECTOR - MCA PG DEPT OF COMPUTER APPLICATIONS FATIMA COLLEGE MARYLAND, MADURAI - 625 018.	Signature: PRINCIPAL FATIMA COLLEGE (AUTONOMOUS) MADURAI-18
Witness: Name and signature	B.USHA ASST. PROFESSOR PG DEPT OF COMP. APPLICATIONS FATIMA COLLEGE, MADURAI	S.MARYHELAN FELESTA, Asst professor & Head, Pg Dept of comp. Applns, Fatima College, Madurai

தமிழ்நாடு तमिलनाडु TAMIL NADU 7TAB 427938

14/12/2020

Fatima College (Autonomous)
Madurai

M.KANNAMALAI GOUNDER
SV 3385/96 GINGEE
TAMILNADU

MEMORANDUM OF UNDERSTANDING
(MoU)

BETWEEN

PG DEPARTMENT OF COMPUTER APPLICATIONS FATIMA COLLEGE (AUTONOMOUS), MADURAI

&

BRICKSTEEL ENTERPRISES INFOTECH Pvt Ltd.,

FOR

INPLANT TRAINING, PLACEMENT, FACULTY DEVELOPMENT PROGRAM

D.JEYA MALA
ASSOCIATE PROFESSOR
DIRECTOR - MCA
PG DEPT OF COMPUTER APPLICATIONS
FATIMA COLLEGE
MARY LAND, MADURAI - 625 018.

FOR BRICKSTEEL ENTERPRISES INFOTECH PVT LTD

MANAGING DIRECTOR

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (herein after called as the 'MOU') is entered in to on this the **14th day of December, Two Thousand and Twenty (14.12.2020),** by and between

PG Department of Computer Applications, Fatima College, Mary Land, Madurai-18, the **FIRST PARTY** (here in after referred as **'First Party'**, the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors–in-office, administrators and assigns).

AND

BSEtec- No-242, Morning star, Level III, 6th cross Indiranagar first stage, Bangalore – Karnataka. **The SECOND PARTY**, and represented herein by its Head Office, Divisional Head - CEO, **L.NIRMAL RAJ**, (herein after referred to as "**Second Party**", company which expression , unless excluded by or repugnant to the subject or context shall include its successors – in- office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS:

A) First Party is a Higher Educational Institution named:

FATIMA COLLEGE (AUTONOMOUS), MADURAI
(PG DEPARTMENT OF COMPUTER APPLICATIONS)

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.

D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

E) **BSETEC**, the Second Party is engaged in Business, Manufacturing, Skill Development Training and Education in the fields of ***–IT & Software, Technology and Digital Solution Providers.***

F) Give related information, its branches, and dimensional information about the industry concerned with [illegible] form.

D.JEYA MALA
ASSOCIATE PROFESSOR
DIRECTOR - MCA
PG DEPT OF COMPUTER APPLICATIONS
FATIMA COLLEGE
MARY LAND MADURAI - 625 018

FOR BRICKSTEEL ENTERPRISES INFOTECH PVT

MANAGING DIRECT

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

CLAUSE 1

COOPERATION

1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution – FATIMA COLLEGE, MADURAI (PG DEPARTMENT OF COMPUTER APPLICATIONS)** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2

SCOPE OF THE MoU

2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also to involve in Industrial Training Programs for the First Party. The industrial training programs provided to students and faculty through this

D.JEYA MALA
ASSOCIATE PROFESSOR
DIRECTOR - MCA
PG DEPT OF COMPUTER APPLICATIONS
FATIMA COLLEGE
MARY LAND, MADURAI - 625 018.

FOR BRICKSTEEL ENTERPRISES INFOTECH PVT LTD

MANAGING DIRECTOR

association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party might provide Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.

2.4 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.

2.5 **Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

2.6 **Placement of Trained Students:** Second Party will actively engage students by providing an opportunity with Internships and In plant training. Placements will be offered to the students strictly based on their individual performance.

2.7 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the programmes on the terms specified herein.

2.8 There is no financial commitment on the part of the **FATIMA COLLEGE**, the First Party to take up any programme mentioned in the MoU. If any other programme/service offered by the second party not mentioned in this MoU, the financial consideration will be dealt separately.

CLAUSE 3

INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppels or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4

VALIDITY

4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **BSEtec**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **BSEtec**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

4.2 Both Parties may terminate this MOA upon 30 calendar days notice to the event of Termination, both parties have to discharge their obligations.

D.JEYA MALA
ASSOCIATE PROFESSOR
PG DEPT OF COMPUTER APPLICATIONS
FATIMA COLLEGE
MARY LAND, MADURAI - 625 018.

FOR BRICKSTEEL ENTERPRISES (I) PVT LTD

MANAGING DIRECTOR

CLAUSE 5

RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

FOR BRICKSTEEL ENTERPRISES INFOTECH PVT LTD

MANAGING DIRECTOR

First Party

BRICKSTEEL ENTERPRISES INFOTECH Pvt. Ltd

Second Party

PG DEPARTMENT OF COMPUTER APPLICATIONS, FATIMA COLLEGE, MADURAI

D.JEYA MALA
ASSOCIATE PROFESSOR
DIRECTOR - MCA
PG DEPT OF COMPUTER APPLICATIONS
FATIMA COLLEGE
MARY LAND, MADURAI - 625 018.

Br. G. Ulric Sahaya Mary

PRINICIPAL

FATIMA COLLEGE, MADURAI

PRINCIPAL
FATIMA COLLEGE (AUTONOMOUS)
MADURAI-18

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **MADURAI.**

AGREED:

For **Name of Institution**

Authorized Signatory

D.JEYA MALA
ASSOCIATE PROFESSOR
DIRECTOR - MCA
PG DEPT OF COMPUTER APPLICATIONS
FATIMA COLLEGE
MARY LAND, MADURAI - 625 018.

For **Name of Business**

FOR BRICKSTEEL ENTERPRISES INFOTECH PVT LTD

Authorized Signatory

MANAGING DIRECTOR

FATIMA COLLEGE (AUTONOMOUS)	BRICKSTEEL ENTERPRISES INFOTECH Pvt. Ltd
MARYLAND, VILANGUDI	No-242, Morning star,Level III,6th cross Indiranagar first stage .
MADURAI	Bangalore-560038 (Karnataka)
principal@fatimacollegemdu.org	support@bsetec.com
www.fatimacollegemdu.org	www.bsetec.com

Witness1:

B. USHA
ASST. PROFESSOR
PG DEPT. OF COMP. APPLICATIONS
FATIMA COLLEGE (AUTONOMOUS)
MADURAI - 18.

Witness2:

D. KARTHIKEYAN
Administrative Manager
Madurai - 16

Witness3:

S. MARY HELAN FELISTA,
Asst. Professor & Head,
PG Dept of Comp. Applications
Fatima College (Autonomous)
Madurai -18

Witness4:

R. G. SOBITHA
BUSSINESS MANAGER

MADURAI KAMARAJ UNIVERSITY

Tel : UNIVERSITY

PALKALAINAGAR,
MADURAI-625 021.

Please quote this reference Number)

Date : 6.7.95

D-1/F.A./95-96

12.7.95

Thiru C.CHANDRASEKARAN,
M.A.(Hist),M.A.(S.W).,B.L.,D.G.T.,
Registrar i/c.

To

The Principal,
Fatima College,
Mary Land,
Madurai-625 018.

Madam,

Sub: Further Affiliation - 1995-96 - Additional Section in M.C.A. - Temporary Affiliation Orders - issued - reg.

Ref: Your application dated 30.5.95

@@@@

I am, by direction to inform you that temporary affiliation for additional section with sanctioned strength of 14 students in M.C.A. is granted to your College for one year ~~xxxxx~~ i.e. 1995-96 subject to the specific condition that the College fulfils the requirements of the University andcreates the required endowment and pays the necessary affiliation fee and adhere to the norms of the Madurai Kamaraj University and fulfils all the conditions laid down by the subjeft expert and subject to approval from the AICTE.

CONDITIONS OF AFFILIATION

1. The Endowment required ~~for~~ for starting the above course is ~~Rs~~ Rs.2,00,000/-. It should be provided immediately in the form of a Fixed Deposity on any Scheduled Bank in the joint names of the Secretary of the College and the Registrar, Madurai Kamaraj University.
2. The sanction strength permitted for the above course should be strictely adhered to.
3. Only candidates who satisfy the prescribed conditions of elegibility should be admitted to the course.
4. The conditions stipulated by the University from time to time should be fulfilled.
5. A report on the action taken on the fulfillment of the above conditions and also the conditions laid down in the ~~R~~report of the Inspection Commission together with the Report on the admissions made etcetera with details should be sent to this Office.
6. The course noted above shall be offered only as an evening course.

Y.T.O.

7. There shall be no financial committment on the part of the State Government or University on account of the course being started by this College.

8. The Affiliation fee for the course is Rs.50,000/-

9. The last date for admission for this course is 17.7.95.

Kindly acnowledge the receipt of this letter.

Yours faithfully,

REGISTRAR IN CHARGE

Copy to: 1. The Commissioner of Collegiate Education, Madras-600 006.

2. The Joint Director of Collegiate Education, Madurai Region, Madurai.

3. A Section

4. B Section

5. C Section

6. E Section

MADURAI KAMARAJ UNIVERSITY

Phone : 85401 to 85432 (5 Lines)
Tel : "UNIVERSITY"
Telex : 445 303 MKU IN

PALKALAINAGAR,
MADURAI-625 021.

Kindly quote this reference Number)

Date : 21 SEPTEMBER 1994

THIRU N S VENKATASUBU
REGISTRAR IN CHARGE

TO

THE SECRETARY AND CORRESPONDENT
FATIMA COLLEGE
MADURAI 625 018

SIR / MADAM:

SUB: FURTHER AFFILIATION - 1994-95 - TEMPORARY AFFILIATION ORDERS - ISSUED - REG:

REF: YOUR APPLICATION FOR M C A DEGREE COURSE 1994-1995

I am by direction to inform you that temporary affiliation is granted to your College for one year in the subject noted below for the academic year 1994-95 subject to the specific condition that the College fulfils the requirements of the University and creates the required endowment and pays the necessary affiliation fee and adhere to the norms of the Madurai Kamaraj University and fulfils all the conditions laid down by the subject experts before the University Inspection Commission visits the college - February/March 1995.

SUBJECT	SANCTIONED STRENGTH
M C A	16 (SIXTEEN)

CONDITIONS OF AFFILIATION

1 The Endowment required for starting the above course is Rs. TWO LAKHS It should be provided immediately in the form of a Fixed Deposit on any Scheduled Bank in the joint name of the Secretary of the College and the Registrar, Madurai Kamaraj University. If ONE LAKH towards First Instalment is already paid then the second instalment of the Endowment should be created at the end of the second year.

2 The sanctioned strength permitted for the above course should be strictly adhered to.

3 Only candidates who satisfy the prescribed conditions of eligibility should be admitted to the course.

4 The conditions stipulated by the University from time to time should be fulfilled.

5 A report on the action taken on the fulfilment of the above conditions and also the conditions laid down in the Report of the Inspection Commission together with the Report on the admissions made students with details should be sent to this Office.

MADURAI KAMARAJ UNIVERSITY

Phone : 85431 to 85435 (5 Lines)
Tel : "UNIVERSITY"
Telex : 445 308 MKU IN

PALKALAINAGAR,
MADURAI-625021.

Kindly quote this reference Number)

Date : 21 SEPTEMBER 1994

THIRU N S VENKATASUBU
REGISTRAR IN CHARGE

TO

THE SECRETARY AND CORRESPONDENT
FATIMA COLLEGE
MADURAI 625 018

SIR / MADAM;

SUB: FURTHER AFFILIATION - 1994-95 - TEMPORARY AFFILIATION ORDERS - ISSUED - REG;

REF: YOUR APPLICATION FOR M C A DEGREE COURSE 1994-1995

I am by direction to inform you that temporary affiliation is granted to your College for one year in the subject noted below for the Academic year 1994-95 subject to the specific condition that the College fulfils the requirements of the University and creates the required endowment and pays the necessary affiliation fee and adhere to the norms of the Madurai Kamaraj University and fulfils all the conditions laid down by the subject experts before the University Inspection Commission visits the college - February/March 1995.

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2 The sanctioned strength permitted for the above course should be strictly adhered to.

3 Only candidates who satisfy the prescribed conditions of eligibility should be admitted to the course.

4 The conditions stipulated by the University from time to time should be fulfilled.

5 A report on the action taken on the fulfilment of the above conditions and also the conditions laid down in the Report of the Inspection Commission together with the Report on the admissions made thereto with details should be sent to this Office.

Quote the reference Number) Date :

6 The courses noted above shall be offered only as an evening course.

7 There shall be no financial committment on the part of the State Government or University on account of the course being started by this College.

8 The Affiliation Fee for the course is Rs.50,000/-

9 The Fatima College may follow the Madurai Kamaraj University Syllabus, for the first set of Students with the approval of the Academic Council of the Fatima College, though the College enjoys autonomous status.

10 The Fatima College should not collect Capitation Fee from Students for granting admission to them and donations from the Staff for offering Teaching or Non Teaching positions.

11 The Fatima College should abide by the conditions laid down by the Madurai Kamaraj University and the AICTE from time to time

Kindly acknowledge the receipt of this letter.

Faithfully yours,

REGISTRAR IN CHARGE

CC TO
THE PRINCIPAL FATIMA COLLEGE MADURAI - 18

THE COMMISSIONER OF COLLEGIATE EDUCATION
MADRAS 600 006.

THE DEPUTY DIRECTOR OF COLLEGIATE EDUCATION
MADURAI REGION, MADURAI.

A SECTION

B SECTION

C SECTION

D SECTION

976/96

अखिल भारतीय तकनीकी शिक्षा परिषद्

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No. TN-40/BOS(HCP)/APR(CS)/96

14th October, 1996

The Secretary,
Education Department,
Govt. of Tamil Nadu.,
Secretariat Fort St. George,
Madras - 600 009.

FATIMA COLLEGE (Autonomous) 12/11/96 MADURAI-18

Sub: Approval for MCA programme.

Sir,

I am directed to state that after evaluation of the proposal submitted by Fatima College, Madurai, the All India Council for Technical Education, New Delhi has accorded approval for the conduct of the following programme as under.

NAME AND LOCATION OF INSTITUTE

Fatima College,
Mary Land,
Madurai Dist.
Madurai - 625 018
Tamil Nadu.

TITLE AND DURATION OF COURSE	ENTRY LEVEL	ANNUAL INTAKE	PERIOD OF APPROVAL
Master in Computer Application (MCA) 3 years Full Time (Day programme)	Bachelors Degree in any discipline with mathematics as compulsory subject at 10+2 level.	30 (Thirty only)	1996-97 +6

The Institute shall fulfill all conditions given overleaf in Annexure -I before making admissions to the above programme.

Yours faithfully

15-X-96

(S.K. Sharma)
Adviser

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. Estate, New Delhi - 110 002
Phone : 3351747/48/49, 3353903/4/5, 3379681, Fax : 011-3353806

ANNEXURE - I

CONDITIONS FOR APPROVAL (1996)

(For Private affiliated and unaffiliated Institutions)

1. The admissions shall be made only after adequate infrastructure and all other facilities are created as per norms and guidelines of the AICTE/Govt. of India/ State Govt. and obtaining the affiliation from the concerned University in case of degree programmes.

2. The admission to the approved programme shall be made only once in a year for approved intake capacity only and no increase in intake over and above the mentioned in this letter shall be permitted.

3. The approved course shall commence as per schedule of academic calender of the affiliating university or in the month of July - August of each academic year.

4. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

5. The faculty strength and quality shall be maintained by the institute as per qualifications and pay scales prescribed by AICTE from time to time. The selection of faculty shall be made by a selection committee having representation from the State Govt./ University and AICTE.

6. The tuition fee and other charges shall be charged as prescribed by the competent authority (i.e. State Govt. or University,) within an overall criteria prescribed by the AICTE from time to time.

7. All academic and physical infrastructural facilities shall be continued to be provided/ updated by the institute as prescribed by AICTE from time to time.

8. No new course(s) shall be started in the same premises and no increase shall be made in the intake of other existing courses without prior concurrence of the AICTE.

9. The Governing body and Advisory body of the institute shall be constituted as per Guidelines prescribed by the AICTE from time to time.

10. The location and name of institution shall not be changed after the date of issue of this letter. The name and title of the institution shall not violate "The Emblums and Nomes (Prevention of improper use) act 12 (1950) of Government of India.

11. No change in the composition of society/ trust shall be permitted without AICTE's prior concurrence.

12. The Management shall follow all conditions as may be laid down/ revised by the AICTE from time to time and a registered legal undertaking to this effect shall be submitted to the AICTE by July 1996 as per Annexure - A (Legal undertaking).

13. The institution shall furnish requisite documents and reports as desired by AICTE from time to time in order to ensure proper maintenance of infrastructure and academic standards.

14. The administrative, academic and financial records including accounts shall be maintained for this Programme. The accounts shall be audited annually by a Chartered Accountant and all the records and reports shall be open for inspection by the AICTE or anybody authorised by it.

Cont/d....2

15. The Council may decide to send an Expert Committee to visit the institute to verify the compliance of the conditions as laid-down above and/or to make necessary recommendations for further extension of AICTE approval to the conduct of the course.

16. The information furnished in respect of the proposal shall be factual and correct. In the event of any information found to be false, misleading or suppressed the approval accorded may be withdrawn by the AICTE.

17. In the event of non-compliance by the Society with regard to guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or a person authorised by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

18. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

19. The institute shall observe all instruction/ guidelines issued by the AICTE regarding mode of selection of candidates for admissions to prescribing fees.

20. The institution shall be liable to bear all expenses payable to the students admitted to academic programmes due to discontinuation of the institution by its own will or by AICTE including all demurrages incurred due to loss of time already pursued by the admitted students in the programmes.

21. This approval is further subject to full-compliance with the "SCHEME" as prescribed by the Supreme Court in its judgment dated 4.2.93 with regard to WP(C) No. 607 of 1992 in the case of Unnikrishnan and others vs. State of Andhra Pradesh and others and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

22. The annual intake capacity of approved programme shall be restricted within the intake approved by affiliating university or State Govt. or whichever is lesser but in any case shall not exceed the intake approved by AICTE.

23. The institution shall not collaborate or associate with any other institution or University neither Indian nor foreign to award one or more joint degrees or diplomas to the students admitted to the AICTE approved programme.

24. Each institution shall submit to AICTE, a list of candidates admitted to the approved programme(s) after finalising admission (latest by August 31 of each year) giving names, percentage of marks in qualifying examination score in written test, group discussion and interview with relative weightages and criteria of admission followed, constitution of admission committee.

/24/97-98

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.NO. 7N-40/BOS(MCP)/APR(CS)/96

FATIMA COLLEGE (Autonomous) 3 | 4 | 97 MADURAI-18

18th June, 1997

The Secretary,
Education Department,
Govt. of Tamil Nadu,
Secretariat, Fort St. George,
Chennai - 600 009.

Sub: Extension of period of approval : reg. MCA Programme.

Sir,

I am directed to convey the provisional approval of the Council to extend the period of approval of the MCA programme for 1997-98 subject to compliance/fulfillment of general conditions at Annexure - I and also the specific conditions if any communicated at the time of grant of approval. These conditions should be complied and a proof of compliance be submitted to AICTE. An expert committee of the Council shall visit at the cost of the institute to verify the compliance of the conditions during 1997-98.

NAME AND ADDRESS OF THE INSTITUTE

FATIMA COLLEGE,
MARY LAND,
MADURAI DIST.
MADURAI - 625 018 (T.N.)

TITLE AND DURATION OF COURSE	ANNUAL INTAKE	PERIOD OF APPROVAL
Master in Computer Application (MCA) 3 years Full Time (Day programme)	30 (Thirty)	1997-98

In case of non - compliance of the conditions, the Council shall take necessary measures at its end which may include stopping admission process or withdrawl of approval without giving further notice.

Receipt of letter may kindly be acknowledged.

Yours faithfully

(M.F. Sharief)
Director

CONDITIONS FOR EXTENSION OF APPROVAL (EXTENSION-P1

(For Private affiliated and unaffiliated Institutions)

1. The Institute shall fulfill all specific conditions as laid down in this letter or revised by the AICTE from time to time.

2. No change in the composition of society/ trust shall be permitted without AICTE's prior concurrence.

3. The admissions shall be made only after other facilities are created or upgraded to meet the norms and guidelines of the AICTE/Govt.

4. The admission to the programme shall be made only once in a year for approved intake capacity only and no increase in intake over and above the mentioned in this letter shall be permitted or ratified. The reservations of all types are included within approved intake.

5. The approved course shall commence as per schedule of academic calender of the affiliating university for affiliated programmes or in the month of July - August of each academic year.

6. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

7. The faculty strength and quality shall be maintained by the institute as per qualifications and pay scales prescribed by AICTE from time to time. The selection of faculty shall be made by a selection committee having representation from the State Govt./ University and AICTE.

8. The tuition fee and other charges shall be charged as prescribed by the competent authority (i.e. State Govt. or University) within an overall criteria prescribed by the AICTE from time to time.

9. All academic and physical infrastructural facilities shall be continued to be provided/ upgraded by the institute as prescribed by AICTE from time to time.

10. No new course(s) shall be started in the same premises without prior concurrence of the AICTE.

11. The Governing body and Advisory body of the institute shall be constituted as per Guidelines prescribed by the AICTE from time to time.

12. The location and name of institution shall not be changed after the date of issue of this letter. The name and title of the institution shall not violate "The Emblums and Names (Prevention of improper use) act 12 (1950) of Government of India. The guidelines have already been issued by the Council in this regard.

13. The institution shall furnish requisite documents and reports as desired by AICTE from time to time in order to ensure proper maintenance of infrastructure and academic standards.

Contd\2...

14. The administrative, academic and financial records including [illegible] be maintained for this programme. The audited annual statement of account and all the records and reports shall be open for inspection by the AICTE or anybody authorised by it.

15. The Council may send an Expert Committee to visit the institute to monitor/ verify the compliance of the conditions as laid down for approval or for further extension of the course.

16. The information furnished in respect of the programme shall be factual and correct. In the event of any information found to be false, misleading or suppressed the approval accorded may be withdrawn by the AICTE.

17. In the event of non-compliance by the Society with regard to guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or a person authorised by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

18. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

19. The institute shall observe all instructions/guidelines issued by the AICTE/affiliating University or State Govt. regarding mode of selection of candidates for admissions and prescribing fees.

20. The Institution shall be liable to bear all expenses payable to the students admitted to academic programmes due to discontinuation of the institution by its own will or by AICTE including all demurrages incurred due to loss of time already pursued by the admitted students in the programmes.

21. This approval is further subject to full-compliance with the "SCHEME" as prescribed by the Supreme Court in its judgment dated 4.2.93 with regard to WP(c) No. 607 of 1992 in the case of UnniKrishnan and others vs. State of Andhra Pradesh and others and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

22. The institution shall not collaborate or associate with any other institution or University neither Indian nor foreign to award one or more joint degrees or diplomas to the students admitted to the AICTE approved programme.

23. Each institution shall submit to AICTE, a list of candidates admitted to the approved programme(s) after finalising admission (latest by August 31 of each year) giving names, percentage of marks in qualifying examination score in written test, group discussion and interview with relative weightages and criteria of admission followed, constitution of admission committee.

24. The annual intake capacity of approved programme shall be restricted within the intake approved by affiliating university or State Govt. or whichever is least but in any case shall not exceed the intake approved by AICTE.

Copy to :-

1. The Director of Technical Education, Govt. of Tamil Nadu, Madras - 600 025.
2. The Regional Officer, Southern Regional Office, 26, Haddows Road, Madras - 600 006.
3. The Registrar, Madurai Kamraj University, Madurai - 625 021.
4. The Principal/Director, Fatima College, Mary Land, Madurai Dist. Madurai - 625 018.
5. Shri S.O. Awale JEA(T), Department of Education, Dr. Rajendra Prasad Marg, Shastri Bhavan, New Delhi - 110 001.
6. Guard File. (AICTE).

M.F.S

(M.F. Sharief)
Director

Madurai Kamaraj University

Phone: 85421 to 85425 } 5 Lines
Tele: "UNIVERSITY"
Telex: 445 308 MKU IN
PALKALAINAGAR,
MADURAI-625 021.

No. CDC 3/Admn/MCA/Increase/97-98
(Please quote this reference Number)

From

Dr. [illegible], M.A., Ph.D.,
Registrar.

Dt. 18.9.1997

39/97-98

To

The Secretary & Correspondent,

The Fatima College
Madurai 625 018

FATIMA COLLEGE (Autonomous) 28/9/97 MADURAI-18

Sir/Madam,

Sub: M.C.A., Course--1997-98--Increase of Seats--Permission granted--Reg.

Ref: Your letter dated 18.9.1997

******

I am, by direction, to inform you that permission is granted to your College to admit the following number of students noted against the course, over and above the sanctioned strength, for the academic year 1997-98 only, subject to the conditions given below:

Sl. No.	Course/ Subject	Sanctioned Strength	Additional seat granted for 1997-98	Total
	M. C. A.	30	6	36

The following conditions should be strictly adhered to:

1. There shall be no financial commitment on the part of the Government or University for sanction of the above additional seats.

2. The increase of seats granted is only for the academic year 1997-98 and the same should not be taken as permanent one.

3. Necessary library, laboratory and accommodation facilities should be provided for the increased number of students.

4. No excess admission over and above the permitted strength shall be accepted under any circumstances.

3. The closing date for admission in all the U.G./P.G., courses for the year 1997-98 will be 20.9.1997.

Kindly acknowledge the receipt of this order.

Yours faithfully,

REGISTRAR.

Copy to:

1. The Principal of the Above College.
2. The Controller of Examinations, MKU.
3. Assistant Registrar/Deputy Registrar UG/PG (Semester Section), MKU.

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

Prof. B.G. Sangameshwara
Adviser (Est)

S.No. 51

F.No.TN-40/80S(MCP)/APRICS1/98
July 21, 1998

92/98-99

Secretary to Government,
Govt. of Tamil Nadu,
Higher Education Department,
Secretariate, Fort St. George,
Chennai - 600 009

FATIMA COLLEGE (A.....) MADURAI 23/8/98

Sub.:Extension of AICTE approval to the existing FATIMA COLLEGE, MARY LAND, MADURAI DIST, MADURAI - 625 018TAMIL NADU for conducting Master in Computer Applications (MCA) programme(s).

Sir,

I am directed to state that on the recommendation of Task Force, the All India Council for Technical Education (AICTE) has extended its earlier approval accorded to FATIMA COLLEGE, MARY LAND, MADURAI DIST, MADURAI - 625 018 TAMIL NADU for conducting following Master in Computer Applications(MCA) programme for the session 1998-1999 with an annual intake and duration as given below.

NAME OF THE COURSE	ANNUAL INTAKE	PERIOD OF APPROVAL
Master in Computer Applications(MCA) (3-Years Full Time)	30	1998-99

This approval has been accorded subject to fulfillment of Norms and Standards & general conditions as stipulated by Council.

Further, in the event of non-compliance of the Norms and Standards as stipulated by the AICTE, the Council shall take further action to withdraw approval and the liability arising out of such withdrawal shall be solely that of the Management/Institute.

The Council may inspect/visit the Institute any time it may deem fit to note progress/compliance.

Yours faithfully

(B.G.Sangameshwara)

इंदिरा गांधी खेल परिसर, इंद्रप्रस्थ एस्टेट, [illegible] नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. Estate, [illegible]

ANNEXURE - II

(Notarised Undertaking to be submitted duly signed on a non-judicial stamp paper)

I/We hereby undertake on behalf of the ..... (Name of Trust/ Society) to follow and fulfill the following :

1. The admissions shall be made only after adequate infrastructure and all other facilities are created as per norms and guidelines of the AICTE/Govt. of India/ State Govt. and obtaining the affiliation from the concerned University in case of degree programs. The Institute shall fulfill all specific conditions(if any) as laid down in this letter or revised by the AICTE from time to time.

2. The admission to the approved program shall be made only once in a year for approved intake capacity only and no increase in intake over and above the intake sanctioned in this letter shall be permitted.

3. The approved course shall commence as per the academic calender of the affiliating University or in the month of July - August of each academic year.

4. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE/ affiliating agency.

5. The faculty strength and quality shall be maintained by the institute as per qualifications and pay scales prescribed by AICTE from time to time. The selection of faculty shall be made by a selection committee having representation from the State Govt./ University and AICTE.

6. The tuition fee and other charges shall be charged as prescribed by the competent authority (i.e. State Level Committee constituted by AICTE as stipulated in GSR 476(E)).

7. All academic and physical infrastructural facilities shall be continued to be provided/ updated by the institute as prescribed by AICTE from time to time.

8. No new course(s) shall be started in the same premises and no increase shall be made in the intake of other existing courses without prior concurrence of the AICTE.

9. The Governing body and Advisory body of the institute shall be constituted as per Guidelines prescribed by the AICTE from time to time.

10. The location and name of institution shall not be changed after the date of issue of first approval letter. The name and title of the institution shall not violate "The Emblems and Names (Prevention of improper use) act 12 (1950) of Government of India.

11. No change in the composition of society/ trust shall be permitted without AICTE's prior concurrence.

12. The institution shall furnish requisite documents and reports as desired by AICTE from time to time in order to ensure proper maintenance of infrastructure and academic standards.

13. The administrative, academic and financial records including accounts shall be maintained for this Program. The accounts shall be audited annually by a Chartered Accountant and all the records and reports shall be open for inspection by the AICTE or anybody authorized by it.

Contd\2.....

F.No.TN-20/BOS(MCP)/APR(CS)/96

Copy to:-

1. The Director of Technical Education, Govt. of Tamil Nadu, Chennai - 600 025

2. The Regional Office, All India Council for Technical Education, Shastri Bhavan, 26, Haddows Road, Chennai - 600 006.

He is requested to closely monitor the compliance of norms and standards stipulated by the Council and keep the AICTE informed of the same.

3. The Principal, FATIMA COLLEGE, MARY LAND, MADURAI DIST. MADURAI - 625 018 with the request to submit the compliance of deficiencies as follows withi a period of three months.

a) Senior faculty (Professor/Asstt. Professor) to be appointed.
b) 1000 more books to be purchased and 12 journals be subscribed.
c) 10 more computers and legal softwares be procured.

The undertaking as enclosed at Annexure-I be immediately sent to the Council duly notorised on a non-judicial stamp paper.

4. The Registrar, MADURAI KAMRAJ UNIV

He is requested to complete the process of affiliation for facilitating admissions in the course(s) and intake approved by the Council.

5. Gaurd File.

(B.K. Tosh)
Assistant Director

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(An Autonomous Body of the Govt. of India by Parliament Act (52), 1987)

Tel.(011) 3379010-13
3379015-18
Telefax : 011-3379023

प्रो. बी. जी. संगमेश्वर
Prof. B. G. Sangameshwara
सलाहकार
Advisor

FATIMA COLLEGE (AUTONOMOUS) 26.8.99 MADURAI-18.

S.No.: 154
F.No.: TN-40/BOS(MCP)/APP(CS)/96
August 19, 1999

The Secretary to Government,
Govt. of Tamil Nadu,
Higher Education Department,
Secretariat Fort St. George,
Chennai - 600 009
Tamil Nadu

Sub.: Extention of AICTE approval to FATIMA COLLEGE, MARY LAND, MADURAI DIST. MADURAI - 625 018 for conduct of MCA (FT) programme.

Sir,

I am directed to state that on the recommendation of Expert Committee and the sub-committee of the All India Board for Computer Science, Engineering, Technology & Applications, the All India Council for Technical Education (AICTE) has extended its earlier approval accorded to FATIMA COLLEGE, MARY LAND, MADURAI DIST. MADURAI - 625 018 for conducting the following courses & intake for the academic year 1999-2001.

COURSE	ENTRY LEVEL	PREVIOUS INTAKE	PRESENT INTAKE
Master in Computer Application (MCA) 3 years Full Time (Day Programme)	Bachelors Degree in any discipline with mathematics as compulsory subject at 10+2 level.	30	30

This approval has been accorded subject fullfilment of Specific Conditions listed at Annexure I and Norms and standards & general conditions as stipulated by Council.

Further, in the event of non-compliance of the Norms and Standards as stipulated by the AICTE, the Council shall take further action to withdraw approval and the liability arising out of such withdrawal shall be solely that of the Management/Institute.

The Council may inspect/visit the Institute any time it may deem fit to note progress/compliance.

Yours faithfully,

(B.G. Sangameshwara)

Indira Gandhi Sports Complex, I. T. Estate, New Delhi 110 002

Copy to :-

1. The Director of Technical Education, Govt. of Tamil Nadu, Madras - 600 025.
2. The Regional Officer, Southern Regional Office, 26, Haddows Road, Madras - 600 006.
3. The Registrar, Madurai Kamraj University, Madurai - 625 021.
4. The Principal/Director, Fatima College, Mary Land, Madurai Dist. Madurai - 625 018.
5. Guard file (AICTE).

(S.K. Prasad)
Asstt. Director

14. The Council may decide to send an Expert Committee to visit the institute to verify the compliance of the conditions as laid-down and any other specific conditions to make necessary recommendations for further extension of AICTE approval to the conduct of the approved course(s).

15. The information furnished in respect of the proposal are factual and correct. In the event of any information is found to be false, misleading or suppressed at a later date the approval accorded may be withdrawn by the AICTE in pursuance of Clause 12 of AICTE Regulations, 1994.

16. In the event of non-compliance by the Society with regard to Act, Gazette Regulations/ Guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or a person authorized by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

17. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

18. The institute shall observe all instructions/ guidelines issued by the AICTE regarding mode of selection of candidates for admissions to prescribing fees. No capitation shall be charged and no charges other than the fee fixed by the Competent Authority shall be levied on students.

19. The Institution shall be liable to bear all expenses payable to the students admitted to academic programs and to discontinuation of the institution by its own will or by AICTE including all demurrages incurred due to loss of time already pursued by the admitted students in the programs. The Institution shall also be responsible for suitable demurrages to the faculty and staff recruited in it.

20. The management of the college shall fully comply with the "SCHEME" as prescribed by the Supreme Court in its judgment dated 4.2.93 with regard to WP(c) No. 807 of 1992 in the case of UnniKrishnan and others vs. State of Andhra Pradesh and others and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

21. The annual intake capacity of approved program shall be restricted within the intake approved by AICTE. Under no circumstances, the Institution shall admit students in excess to the intake approved by AICTE.

22. The institutions shall not collaborate or associate with any other institution or University neither Indian nor foreign to award one or more joint degrees or diplomas to the students admitted to the AICTE approved program.

23. Each institution shall submit to AICTE, a list of candidates admitted to the approved program(s) after finalizing admission (latest by August 31 of each year) giving names, percentage of marks in qualifying examinations score in written test, group discussion and interview with relative weightage and criteria of admission followed, constitution of admission committee.(Applicable only for institutions running MBA/MCA programs.)

24. The institution shall shift to the permanent accommodation as approved by the Council within two years from the date of approval. The Institution shall not shift to any unapproved location under any circumstances.

Date :
Place :

Signature
(Chairman/ President
of Trust/ Society)

F.No:TN-40/BOS(MCP)/APR(CS)/96

Note: ***The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2006, failing which action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.***

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2006 for consideration of approval beyond the session 2006-07.

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1. That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

   (b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

   (c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

   (d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.

   (e) **That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

   (e) **That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

   (g) **That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

   (h) **The Institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

contd.. 3/-

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

FATIMA COLLEGE (AUTONOMOUS) 19/6/06 MADURAI-18

F. No.:TN-40/BOS(MCP)/APR(CS)/96

Date: 25/05/2006

To,

The Secretary (Education Deptt.)
Govt. of TN Secretariat,
Fort St. George,
Chennai – 600 009

Sub: Extension of approval to the Fatima College (Autonomous),,Mary Land, New Vilangudi, Madurai, Madurai Dist.-625 018 for the academic year 2006-07.

Sir,

As per the Regulations notified by the Council vide F.No. 37-3/Legal/2004 dated 28th November 2005 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to Fatima College (Autonomous)., Mary Land, New Vilangudi, Madurai, Madurai Dist. - 625 018 for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MCA (Full Time)	60	60	2006-2007

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2006.

- **Faculty:**
  - Director is not qualified.
  - Cadre ratio is not as per AICTE norms.
- **Others:**
  - The deficiencies communicated in the last approval letter are not fully complied with.

Contd.. 2/-

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi -110 002
दूरभाष / Phone : 23392506, 63-65-68, 71, 73 -75 फैक्स / Fax : 011-23392554
वैबसाइट / Website : www.aicte.ernet.in

Annexure – 'A'

ame & address of the institution	Programme
File No. : TN-041/PG(MCA)/2005 Fatima College (Autonomous), Mary Land, New Vilangudi Madurai - 625 018 Tamil Nadu Private No-Grant	MCA(FT)

Faculty :

- Principal experienced and qualified as per AICTE norms is to be recruited.
- Faculty is the soul of an institution and in the absence thereof an institution cannot impart quality education. However, there is a shortfall of 1 faculty members (8%) as only 11 are available against a requirement of 12 faculty irrespective of the cadre ratio.
- There is a shortfall in senior level faculty i.e. Professors and Asst. Professors. Faculty at senior level, namely, Professors and Asst. Professors are to be recruited as per AICTE norms.

Computer Facility :

- Against the requirement of 90 computers only 63 computers are available thereby causing shortfall of 27 (30%) computers.

Library Facility :

- Against the requirement of 12 journals only 11 journals are available thereby causing a shortfall of 1 (8%).

Others :

- Academic performance of the students needs to be improved.
- Internet band width needs to be improved.

The above approval is subject to your rectification of deficiencies latest by August end, 2005. A compliance report indicating rectification of deficiencies and details of faculty recruited for each course must be received by the Council, with a copy to concerned Regional Officer latest by **31st August, 2005** to entitle your institution for **extension of approval** for the year **2006-07**.

The compliance report must be accompanied with a **visiting/processing fee** as prescribed by the Council in the form of demand draft in favour of **Member Secretary, AICTE payable at New Delhi.** In the absence of the processing/visiting fee, the compliance report may not be entertained.

Following the compliance report, the Council would verify the status in respect of rectification of deficiencies through physical inspection without any prior intimation. The institution should therefore be prepared for random inspection without any prior notice. Extension of approval for the year 2006-07 shall be dependent on the compliance report and the outcome of the surprise inspection.

Enclosure:- Annexure-A

Note:- Details available on website www.aicte.ernet.in

Yours faithfully

(Dr. P. Venkateswara Rao)
Adviser (UG/ PG)

Copy to :

1. The Principal,
   Fatima College (Autonomous),
   Mary Land, New Vilangudi
   Madurai - 625 018
   Tamil Nadu
2. The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shastri Bhawan, Chennai - 600 006
3. Director of Technical Education, Govt. of Tamil Nadu, Chennai – 600 025.
4. The Registrar,
   (He is requested to complete the process of affiliation for facilitating admissions).
5. Guard File.

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F.No. TN-041/PG(MCA)/2005
June 21, 2005

To
The Principal Secretary,
(Education Department),
Govt. of Tamil Nadu
Secretariat, Fort St. George,
Chennai – 600 009

Sub: Extension of approval to Fatima College (Autonomous), Mary Land, New Vilangudi Madurai - 625 018 Tamil Nadu for the year 2005-06-reg.

Sir/ Madam,

As you are aware, **All India Council for Technical Education** has been mandated under the AICTE Act, 1987 to ensure **maintenance of norms and standards** with regard to technical education in the country. In exercise of this mandate, the Council insists on fulfillment of the minimum requirements prescribed for imparting technical education by the institution so that **quality of courses** is not compromised and stakeholders are satisfied. The Council also undertakes an **annual Inspection** of the institutions and conveys deficiencies to them for **rectification.**

It has been observed however that notwithstanding the Council's **repeated advice** to comply with minimum norms and standards, many institutions continue to be **complacent** about taking steps to remedy the deficiencies.

Such institutions suffer from **critical deficiencies** of faculty in proper cadre ratio, qualification, experience and other requirements. Feed back of students with regard to quality of education imparted by such institutions has evoked grave concern. The Expert Committees, following **holistic appraisal** during inspections, have also pointed out severe shortcomings

The institution has been found to be suffering from several deficiencies, which are listed in **Annexure-A** for your perusal. Shortage of faculty is of gravest concern.

The deficiencies in respect of faculty (including proper cadre ratio & qualification etc.) could have rendered your institution liable for punitive action including being placed in no admission/ reduced intake category. However the Council has decided to take a lenient view and give you yet another **last opportunity** to rectify the deficiencies particularly with regard to faculty shortage, proper cadre ratio & requisite qualification. Course-wise approved intake in respect of **Fatima College (Autonomous),, Mary Land, New Vilangudi Madurai - 625 018 Tamil Nadu,** for the year 2005-06 is as under:-

COURSE (S)	APPROVED INTAKE 2004-05	APPROVED INTAKE 2005-06
MCA(FT)	60	60

Note:- Additional intake/new courses/PIO quota not granted on account of deficiencies in respect of running existing courses/intake.

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi -110 002
दूरभाष / Phone : 23392506, 63-65-66, 71, 73 -75 फैक्स / Fax : 011-23392554
वैबसाइट / Website : www.aicte.ernet.in

F.No: TN-40/BOS(MCP)/APR(CS)/96

The Council reserves the right to visit the Institution any time it may deem fit to verify the compliance of norms and standards of AICTE.

You are requested to kindly monitor the progress made by this institution for fulfillment of the norms & standards of the Council & keep the concerned Regional Committee and AICTE informed.

Yours faithfully

(P.N.RAZDAN)

copy to:

1. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhavan, Chennai - 600 006.

   He is requested to monitor compliance with the norms & standards and conditions stipulated by the Council and keep the concerned Regional Committee and the AICTE informed of the same.

   He is also requested to ensure the receipt of notarised undertaking as specified by the Council from the institution / management concerned within the stipulate time frame.

2. The Director of Technical Education, Govt. of Tamil Nadu.

3. The [illegible]
   He is requested to complete the process of affiliation for facilitating admissions.

4. The Principal,
   FATIMA COLLEGE,,
   MARY LAND,,
   MADURAI DIST.,
   MADURAI - 625 018,
   TAMIL NADU,

5. Guard File.

(P.N.RAZDAN)
Adviser

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No: TN-40/BOS(MCP)/APR(CS)/96
Date: 19-06-2002

To

Secretary to Government,
Govt. of Tamil Nadu,
Higher Education Department,
Secretariat, Fort St. George,
Chennai – 600 009.

FATIMA COLLEGE (AUTONOMOUS) 20/2/02 MADURAI-18.

Subject: Extension of Approval / Increase in Intake to FATIMA COLLEGE,, MARY LAND,, MADURAI DIST., MADURAI - 625 018. TAMIL NADU, for conduct of MCA programme.

Sir,

I am directed to state that the All India Council for Technical Education (AICTE), is pleased to accord extension of approval to FATIMA COLLEGE,, MARY LAND,, MADURAI DIST., MADURAI - 625 018. TAMIL NADU, , only for the course(s) and intake capacity as given below with the specific conditions that admission shall be made through the Central Counseling by the Govt. of Tamil Nadu only:

COURSE (S)	PREVIOUS APPROVED INTAKE	REVISED APPROVED INTAKE	PERIOD OF APPROVAL
MCA	60.	60.	2002-05

This approval has been accorded subject to fulfillment of specific conditions, which will be communicated separately, and Norms, Standards & General Conditions as stipulated by Council in Annexure-I.

Further in the event of infringement/contravention or non-compliance of the norms & standards prescribed by the AICTE during the last approved academic year, the Council shall take further action to withdraw approval to this case for admission during subsequent academic year and the liability arising out of such withdrawal of approval will be solely that of Management / Trust /Society and/or institutions.

Contd...2/-

Further, in the event of infringement/contravention or non-compliance of the norms & standards prescribed by the AICTE during the last approved academic year, the Council shall take further action to withdraw approval in this case for admission during subsequent academic year and the liability arising out of such withdrawal of approval will be solely that of Management / Trust /Society and/or institutions.

The Council reserves the right to visit the institution any time it may deem fit to verify the compliance of norms and standards of AICTE.

You are requested to kindly monitor the progress made by this institution for fulfillment of the norms & standards of the Council & keep the concerned Regional Committee and AICTE informed

Yours faithfully

(Prof.R.S.Gaud)
Adviser (E&T)

Copy to,

1. The Regional Officer , AICTE, Southern Regional Office , 26 Haddows Road , Shastri Bhavan , Chennai - 600006

   He is requested to monitor compliance with the norms & standards and conditions stipulated by the Council and keep the concerned Regional Committee and the AICTE informed of the same.

   He is also requested to ensure the receipt of notarised undertaking as specified by the Council from the institution / management concerned within the stipulate time frame.

2. The Director of Technical Education Govt. of Tamil Nadu , Chennai - 600025.

3. The Registrar,MADURAI KAMRAJ UNIV.

   He is requested to complete the process of affiliation for facilitating admissions

4. The Principal, FATIMA COLLEGE., MARY LAND, MADURAI DIST, MADURAI - 625 018 TAMIL NADU.

5. Guard File.

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No TN-40/BOS(MCP)/APR(CS)/96
Date: June 21, 2001

To

Secretary to Government
Govt. of Tamil Nadu
Higher Education Department,
Secretariate Fort St. George
Chennai – 600 009

FATIMA COLLEGE (AUTONOMOUS) 3/7/01 MADURAI-18

Subject: Extension of AICTE approval to FATIMA COLLEGE,, MARY LAND, MADURAI DIST. MADURAI - 625 018 TAMIL NADU for conduct of MCA programme for the academic year(s)2001-02.

Sir,

I am directed to state that on consideration of the reports of the Expert Committee and in consultations with the concerned agencies in this regard, the All India Council for Technical Education (AICTE), is pleased to accord extension of approval to FATIMA COLLEGE,, MARY LAND, MADURAI DIST, MADURAI - 625 018 TAMIL NADU only for the course(s) and intake capacity as given below with the specific conditions that admission shall be made through the Central Counseling by the Govt. of TAMIL NADU only.

Course(s)	Existing Approved Intake	New Approved/ Revised Intake	Course Duration (Years)	Period of Approval
MASTERS IN COMPUTER APPLICATIONS (MCA) FULL TIME	30	60	3 YEARS	2001-02

This approval has been accorded subject to fulfillment of norms & standards of the Council for the course(s) and intake approved above.

Further the observations and specific conditions / comments of the expert committee are given at annexure-I with this letter. The institution shall fulfill all the conditions without any delay. Non-fulfillment of the specific conditions will lead to withdrawal of approval without need of any more opportunity, as the institution is well aware of the deficiencies.

The admission will be made in accordance with Regulations notified by the AICTE vide GSR 479(E) dated 30.5.1994 based on the Hon'ble Supreme Court Judgement dated 04.02.1993 with regard to WP.No.(C)... of 1992 in the case of Unni Krishnan JP and other etc. V/S State Govt. of Andhara Pradesh and others etc. and other Judgments. No Management/Institute/Trust or Society shall announce admissions directly under any circumstances. Any action contrary to this provision taken by the institute will make it liable to be accompanied

Contd...

3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time **i.e. 31st August 2006 for the current year.**

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

13 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

contd.. 4/-

665/2010-11.

FATIMA COLLEGE (Autonomous) 18

All India Council for Technical Education
(A Statutory Body under Ministry of HRD, Govt. of India)
7th floor, Chandralok Building, Janpath, New Delhi 110 001
Phone : 11 23724151-57 FAX : 11 23724183 www.aicte-india.org

No. : Southern Region/1-28199721/2010/EOA

August 23, 2010

To,
Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bld.
6th Floor Secretariat, Chennai-600009

Sub. : Extension of approval for the academic year 2010-11.

Sir,

In terms of the Regulations notified by the Council vide F. No. 37-3/Legal/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to :

ST.JOSEPH'S SOCIETY OF MADURAI, FATIMA COLLEGE (AUTONOMOUS) - MCA PROGRAMME, MARYLANDNEW VILANGUDI POSTMADURAI - 625018TAMILNADUINDIA, MADURAI, TAMIL NADU, PIN : 625018

for conduct of the following courses with the intake indicated below in the academic year 2010-11:

Sr. No.	Program	Level	Shift	Course	Intake 2009-10	Intake 2010-11
1	COMPUTER APPLICATION	PG	First Shift	MCA (FULL TIME)	60	60

The above mentioned approval is subject to the condition that :

ST.JOSEPH'S SOCIETY OF MADURAI, FATIMA COLLEGE (AUTONOMOUS) - MCA PROGRAMME, MARYLANDNEW VILANGUDI POSTMADURAI - 625018TAMILNADUINDIA, MADURAI, TAMIL NADU, PIN : 625018

shall follow and adhere to the regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and hard copy to Regional Office.

Anti Ragging - The approval is subject to the institutions strictly complying with all the provisions made under the Anti ragging regulation notified by council vide F.No. 37/Legal/AICTE/2009 dated 1-7-2009 failing which, it will be liable to any action defined under clause 9(4) of this regulation.

Yours faithfully,

Dr. S. G. Bhirud
Director

Copy to :

1. The Regional Office, Southern Region, Tamil Nadu
2. The Director of Technical Education, [redacted]
3. Guard File (AICTE)
4. The Registrar, Affiliating University
5. The Principal / Director,
ST.JOSEPH'S SOCIETY OF MADURAI, FATIMA COLLEGE (AUTONOMOUS) - MCA PROGRAMME, MARYLANDNEW VILANGUDI POSTMADURAI - 625018TAMILNADUINDIA, MADURAI, TAMIL NADU, PIN : 625018

Page 1 of 1

F. No. TN-40/BOS(MCP)/APR(CS)/96

14 That in the event of a student/candidate withdrawing before the starting of the course, the wait listed candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing of not more than Rs. 1000/- (Rupees One thousand only) shall be refunded and returned by the Institution / University to the student /candidate withdrawing from the programme. It would not be permissible for Institutions and Universities to retain the School/Institution Leaving Certificate in original to force retention of admitted students (see Public Notice AICTE/DPG/03(01)/2008).

15 That the institution shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. (C) 656/1998. In case of failure to prevent the instances of ragging by the institutions, the Council shall take the appropriate action withdrawal of approval.

16 That the Management shall strictly follow further conditions as may be specified by the Council through various notifications in media including AICTE official website (www.aicte.ernet.in), from time to time.

17 In the event of non-compliance by the **Fatima College (Autonomous), Mary Land, New Vilangudi, Madurai - 625 018, Tamil Nadu** with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of **Fatima College (Autonomous), Mary Land, New Vilangudi, Madurai - 625 018, Tamil Nadu**

Yours faithfully,

(Prof. Harish C Rai)
Advisor (M&T)

Copy to:

1. **The Principal**
   Fatima College (Autonomous),
   Mary Land, New Vilangudi,
   Madurai - 625 018, Tamil Nadu

2. **The Regional Officer**
   AICTE Southern Regional Office
   26, Haddows Road, Shastri Bhawan
   Chennai - 600 006

3. **The Director of Technical Education**
   Govt. of Tamil Nadu
   Directorate of Tech. Education
   Chennai - 600 025

4. **The Registrar**, Madurai Kamarajar University, Madurai
   (He is requested to complete the process of affiliation for facilitating admissions).

5. **Guard File (M&T)**

Yours faithfully,

(Prof. Harish C Rai)
Advisor (M&T)

3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7. (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. 31st August 2008 for the current year.

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2008 for consideration of approval beyond the session 2008-09. ***It may be noted that all the institutions are required to submit the Compliance Report along with requisite processing fee by 31st August, every year, irrespective of the period of approval.***

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favor of "The Member Secretary, AICTE", payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1 That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2 (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

(b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

(c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

(d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.

(e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

(f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

(g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

(h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F. No. TN-40/BOS(MCP)/APR(CS)/96

Date: 23.05.2008

To

The Secretary
(Higher Education)
Govt. of Tamilnadu, Fort St. George
Chennai - 600 009

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18 30/6/08

Sub: Extension of approval to Fatima College (Autonomous), Mary Land, New Vilangudi, Madurai - 625 018, Tamil Nadu beyond the academic year 2007-2008

Sir,

As per the Regulations notified by the All India Council for Technical Education vide F.No. 37-3/Legal/2006 dated 14th Sept 2006 and Norms, Standards, Procedures and Conditions prescribed by it from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **Fatima College (Autonomous), Mary Land, New Vilangudi, Madurai - 625 018, Tamil Nadu** for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MCA (Full Time)	60	60	2008-2011 *
Total	60	60	

* ***The Compliance Report with requisite processing fee is required to be submitted every year by 31st August irrespective of the period of approval.***

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by **31st August 2008.**

Faculty:

- AICTE pay scales should be implemented to all the faculty and staff.
- Sr. level faculty in cadre ratio as per AICTE norms should be appointed.
- Cadre ratio not maintained as per AICTE norms.

Built-up Area:

- Instructional area is short by 07% (Required 720 sqm, Available 672 sqm) .

Others:

- Library Facility in terms of books are inadequate as per AICTE norms.
- Previously communicated deficiencies partially complied.

Note: The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2008, failing which action would be initiated as per the rules and regulations of AICTE including No Admission / Withdrawal of approval

Contd 2

7वाँ तल, चन्द्रलोक भवन, जनपथ नई दिल्ली–110001
7th Floor, Chander Lok Building, Janpath, New Delhi-110001
Phone : 011-23724151-57 Fax : 011-23724183 Website : www.aicte-ernet.in

15 In the event of non-compliance by the **Fatima College (Autonomous),, Mary Land, New Vilangudi, Madurai, Madurai Dist. - 625 018** with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of **Fatima College (Autonomous),, Mary Land, New Vilangudi, Madurai, Madurai Dist. - 625 018.**

Yours faithfully,

(Prof. K. Madhu Murthy)
Advisor- (M&T)

Copy to:

1. **The Principal,**
   Fatima College (Autonomous),,
   Mary Land, New Vilangudi, Madurai,
   Madurai Dist. - 625 018
2. **The Regional Officer,** AICTE Southern Regional Office, 26, Haddows Road, Shastri Bhawan, Chennai - 600 006
3. **The Director of Technical Education,** Govt. of TamilNadu, Directorate of Tech. Education,Chennai - 600 025
4. **The Registrar,** Concerned Affiliating University
   (He is requested to complete the process of affiliation for facilitating admissions).
5. **Guard File** (M&T).

4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. 31st August 2007 for the current year.

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

14 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

Contd. 4/-

Note: The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2007, failing which action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2007 for consideration of approval beyond the session 2007-08.

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1 That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

(b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

(c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

(d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.

(e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

(f) That the Institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

(g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

(h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

Contd. 3/-

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

1223/2007

F. No. TN-40/BOS(MCP)/APR(CS)/96

Date: 10/05/2007

To,

The Secretary,
(Higher Education),
Govt. of Tamilnadu,
Fort St. George
Chennai-600 009

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18 15/5/07

Sub: Extension of approval to Fatima College (Autonomous),, Mary Land, New Vilangudi, Madurai, Madural Dist. - 625 018 for the academic year 2007-08.

Sir,

As per the Regulations notified by the Council vide F.No. 37-3/Legal/2004 dated 14th Sept 2006 and Norms, Standards, Procedures and Conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **Fatima College (Autonomous),, Mary Land, New Vilangudi, Madurai, Madurai Dist. - 625 018** for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MCA (Full Time)	60	60	2007-08

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2007.

Faculty:
- Faculty is short by 09 %. (Required 12, Available eligible 11).
- Sr. level faculty in cadre ratio as per AICTE norms should be appointed.

Books:
- Books short by 67% (Required 11000, Available 3590).

Contd. 2/-

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi-110 002
दूरभाष / Phone : 23392506, 63-65-68, 71, 73 -75 फैक्स / Fax : 011-23392654
वैबसाइट / Website : www.aicte.ernet.in

14 In the event of non-compliance by the Fatima College (Autonomous),. Mary Land, New Vilangudi, Madurai,Madurai Dist.-625 018 with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of Fatima College (Autonomous),,Mary Land, New Vilangudi,Madurai,Madurai Dist.-625 018 .

Yours faithfully,

Dr. Rajnish Shrivastava
Advisor- UG/PG (M&T)

Copy to:

1. The Principal,
   Fatima College (Autonomous),
   Mary Land, New Vilangudi, Madurai
   Madurai Dist. -625 018
2. The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shastri Bhawan, Chennai - 600 006
3. The Director of Technical Education, Govt. of Tamil Nadu, Chennai- 600 025 (TN)
4. The Registrar, Madurai Kamarajar University, Madurai,
   (He is requested to complete the process of affiliation for facilitating admissions).
5. Guard File (UG/PG).

Dr. Rajnish Shrivastava
Advisor- UG/PG (M&T)

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

Prof. B.G. Sangameshwara
Adviser (E&T)

F.No.J31/TN-18/MCP-APR(M)/98
August 18, 1998

The Secretary to Government,
Govt. of Tamil Nadu,
Higher Education Department,
Secretariate, Fort St. George,
Chennai-600 009.

Sub.:Extension of AICTE approval during 1998-99 and No-admission during 1999-2000 - Regarding.

Sir,

I am directed to state that on the recommendations of Task Force, the All India Council for Technical Education (AICTE) has decided to extend its earlier approval accorded to FATIMA COLLEGE,DEPT OF MANAGEMENT STUDIES,FATIMA COLLEGE CAMPUS,MARY LAND,MADURAI-625018 for conducting following Master in Business Administration(MBA) programme for the session 1998-1999 with an annual intake and duration as given below. However, the Institution is directed not to admit any students during the academic session 1999-2000.

NAME OF THE COURSE	ANNUAL INTAKE	PERIOD OF APPROVAL
MBA	60 FULL TIME	1998-99

DURATION:- FULL TIME -> 2 YEARS, PART TIME -> 3 YEARS AND DIST.ED. -> 3 YEARS

This approval has been accorded subject to fulfillment of Norms and Standards & specific conditions as stipulated by Council.

On recommendations of the Task Force, it has further been decided that the Institute shall be inspected by an Expert Committee nominated by the Council and any further extension of approval shall be communicated only if the facilities available in the Institute conforms to the Norms and Standards & Guidelines stipulated by the Council.

In the event of non-compliance of the Norms and Standards as stipulated by the AICTE, the Council shall take further action to withdraw approval and the liability arising out of such withdrawal shall be solely that of the Management/Institute.

Yours faithfully

(B.G.Sangameshwara)

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. Estate, New Delhi - 110 002
Phone : 3379010/11/12/13/15/16/17/18, Fax : 011-3375002

Copy to:-

1. The Director of Technical Education, Govt. of Tamil Nadu, Madras - 600 025.

2. The Regional Officer, Southern Regional Office, 26, Haddows Road, Madras - 600 006.

3. The Director, Fatima College, Dept. of Management Studies, Fatima College campus, Mary Land, Madurai - 625 018.

4. The Vice Chancellor, Madras Kamraj University, Madurai - 625 021.

5. Dr. S.D. Awale JEA(T), Dept. of Education, Dr. Rajendra Prasad Marg, Shatri Bhavan, New Delhi - 110 001.

6. Guard File.

(Dr. D.K. Sharma)
Director

14. The administrative, academic and financial records including accounts shall be maintained for this Programme. The audited annual statement of accounts and all the records and reports shall be open for inspection by the AICTE or anybody authorised by it.

15. The Council may send an Expert Committee to visit the institute to monitor/verify the compliance of the conditions as laid down for approval or for further extension of the course.

16. The information furnished in respect of the programme shall be factual and correct. In the event of any information found to be false, misleading or suppressed the approval accorded may be withdrawn by the AICTE.

17. In the event of non-compliance by the Society with regard to guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or a person authorised by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

18. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

19. The institute shall observe all instructions/guidelines issued by the AICTE/affiliating University or State Govt. regarding mode of selection of candidates for admissions and prescribing fees.

20. The Institution shall be liable to bear all expenses payable to the students admitted to academic programmes due to discontinuation of the institution by its own will or by AICTE including all demurreges incurred due to loss of time already pursued by the admitted students in the programmes.

21. This approval is further subject to full-compliance with the "SCHEME" as prescribed by the Supreme Court in its judgment dated 4.2.93 with regard to WP(c) No: 607 of 1992 in the case of UnniKrishnan and others vs. State of Andhra Pradesh and others and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

22. The institution shall not collaborate or associate with any other institution or University neither Indian nor foreign to award one or more joint degrees or diplomas to the students admitted to the AICTE approved programme.

23. Each institution shall submit to AICTE, a list of candidates admitted to the approved programme(s) after finalising admission (latest by August 31 of each year) giving names, percentage of marks in qualifying examination score in written test, group discussion and interview with relative weightages and criteria of admission followed, constitution of admission committee.

24. The annual intake capacity of approved programme shall be restricted within the intake approved by affiliating university or State Govt. or whichever is least but in any case shall not exceed the intake approved by AICTE.

CONDITIONS FOR EXTENSION OF APPROVAL (EXTENSION-II)

(For Private affiliated and unaffiliated Institutions)

1. The Institute shall fulfill all specific conditions as laid down in this letter or revised by the AICTE from time to time.

2. No change in the composition of society/ trust shall be permitted without AICTE's prior concurrence.

3. The admissions shall be made only after other facilities are created or upgraded to meet the norms and guidelines of the AICTE/Govt.

4. The admission to the programme shall be made only once in a year for approved intake capacity only and no increase in intake over and above the mentioned in this letter shall be permitted or ratified. The reservations of all types are included within approved intake.

5. The approved course shall commence as per schedule of academic calender of the affiliating university for affiliated programmes or in the month of July - August of each academic year.

6. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

7. The faculty strength and quality shall be maintained by the institute as per qualifications and pay scales prescribed by AICTE from time to time. The selection of faculty shall be made by a selection committee having representation from the State Govt./ University and AICTE.

8. The tuition fee and other charges shall be charged as prescribed by the competent authority s (i.e. State Govt. or University) within an overall criteria prescribed by the AICTE from time to time.

9. All academic and physical infrastructural facilities shall be continued to be provided/ upgraded by the institute as prescribed by AICTE from time to time.

10. No new course(s) shall be started in the same premises without prior concurrence of the AICTE.

11. The Governing body and Advisory body of the institute shall be constituted as per Guidelines prescribed by the AICTE from time to time.

12. The location and name of institution shall not be changed after the date of issue of this letter. The name and title of the institution shall not violate "The Emblums and Names (Prevention of improper use) act 12 (1950) of Government of India. The guidelines have already been issued by the Council in this regard.

13. The institution shall furnish requisite documents and reports as desired by AICTE from time to time in order to ensure proper maintenance of infrastructure and academic standards.

Contd\2...

98/94-98

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No.431/Tn-16/MCP-APR(M)/98

10th June, 1997

30/6/97

The Secretary,
Education Department,
Govt. of Tamil Nadu,
Secretariat, Fort St. George,
Madras - 600 009.

Sub: Extension of period of approval : regarding MBA Programme(s).

Sir,

I am directed to convey the provisional approval of the Council to extend the period of approval of the MBA programme for 1997-98 subject to compliance/ fulfillment of general condition at Annexure - I, and also the specific conditions if any communicated at the time of grant of approval. These conditions should be complied and a proof of compliance be submitted to AICTE. An expert committee of the Council shall visit at the cost of the institute to verify the compliance of the conditions during 1997-98.

NAME & ADDRESS OF THE INSTITUTE

FATIMA COLLEGE,
DEPT OF MANAGEMENT STUDIES,
FATIMA COLLEGE CAMPUS,
MARY LAND,
MADURAI - 625 018.

NAME OF THE COURSE	FULL TIME/PART TIME	ANNUAL INTAKE	PERIOD OF APPROVAL
MBA	FULL TIME	60	1997-98

DURATION :- FULL TIME -> 2 YEARS AND PART TIME -> 3 YEARS

In case of non - compliance of the conditions, the Council shall take necessary measures at its end which may include stopping admission process or withdrawl of approval without giving further notice.

Receipt of letter may kindly be acknowledged.

Yours faithfully

(Dr. U.K. Sharma,
Director

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. Estate, New Delhi - 110 002
Phone : 3379010/11/12/13/15/16/17/18 Fax : 011-3379002

Copy to:-

1. The Director of Technical Education, Govt. of Tamil Nadu, Madras - 600 025.

2. The Principal, Fatima College, Dept. of Management Studies, Fatima College Campus, Mary Land, Madurai - 625 018.

3. The Regional Officer, Southern Regional Office, 26, Haddows Road, Madras - 600 006.

4. The Vice Chancellor, Madurai Kamraj University, Madurai - 625 021.

5. Shri S.D. Awale J&A(T), Dept. of Education, Dr. Rajendra Prasad Marg, Shastri Bhavan, New Delhi - 110 001.

6. Guard File.

(Dr. S.K. Sharma)
Adviser

Annexure - A

Legal Undertaking

I _____ S/o_____ as Chairman/ Secretary of _____ Society/Trust, on behalf of _____ Institute declare that

(i) The Institute shall abide by all conditions and procedures prescribed by AICTE from time to time for conduct of approved programmes.

(ii) The Institute undertakes to conduct admission test or follow the prescribed mode of admission, evaluation and examination etc. by consortium of institutions/ National Board of Accreditation or any other agency authorised by AICTE.

Place
Dated _____

_____
Signature with Seal

PRINCIPAL,
FATIMA COLLEGE (Autonomous)
MADURAI - 18.

15. The Council may decide to send an Expert Committee to visit the institute to verify the compliance of the conditions as laid-down above and/or to make necessary recommendations for further extension of AICTE approval to the conduct of the course.

16. The information furnished in respect of the proposal shall be factual and correct. In the event of any information found to be false, misleading or suppressed the approval accorded may be withdrawn by the AICTE.

17. In the event of non-compliance by the Society with regard to guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or a person authorised by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

18. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

19. The institute shall observe all instruction/ guidelines issued by the AICTE regarding mode of selection of candidates for admissions to prescribing fees.

20. The Institution shall be liable to bear all expenses payable to the students admitted to academic programmes due to discontinuation of the institution by its own will or by AICTE including all desurrages incurred due to loss of time already pursued by the admitted students in the programmes.

21. This approval is further subject to full-compliance with the "SCHEME" as prescribed by the Supreme Court in its judgment dated 4.2.93 with regard to WP(c) No. 607 of 1992 in the case of UnniKrishnan and others vs. State of Andhra Pradesh and others and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

22. The annual intake capacity of approved programme shall be restricted within the intake approved by affiliating university or State Govt. or whichever is least but any case shall not exceed the intake approved by AICTE.

23. The institution shall not collaborate or associate with any other institution or University neither Indian nor foreign to award one or more joint degrees or diplomas to the students admitted to the AICTE approved programme.

24. Each institution shall submit to AICTE, a list of candidates admitted to the approved programme(s) after finalising admission (latest by August 31 of each year) giving names, percentage of marks in qualifying examination score in written test, group discussion and interview with relative weightages and criteria of admission followed, constitution of admission committee.

ANNEXURE - I

CONDITIONS FOR APPROVAL (1998)

(For Private affiliated and unaffiliated Institutions)

1. The admissions shall be made only after adequate infrastructure and all other facilities are created as per norms and guidelines of the AICTE/Govt. of India/ State Govt. and obtaining the affiliation from the concerned University in case of degree programmes.

2. The admission to the approved programme shall be made only once in a year for approved intake capacity only and no increase in intake over and above the mentioned in this letter shall be permitted.

3. The approved course shall commence as per schedule of academic calender of the affiliating university or in the month of July - August of each academic year.

4. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

5. The faculty strength and quality shall be maintained by the institute as par qualifications and pay scales prescribed by AICTE from time to time. The selection of faculty shall be made by a selection committee having representation from the State Govt./ University and AICTE.

6. The tuition fee and other charges shall be charged as prescribed by the competent authority (i.e. State Govt. or University) within an overall criteria prescribed by the AICTE from time to time.

7. All academic and physical infrastructural facilities shall be continued to be provided/ updated by the institute as prescribed by AICTE from time to time.

8. No new course(s) shall be started in the same premises and no increase shall be made in the intake of other existing courses without prior concurrence of the AICTE.

9. The Governing body and Advisory body of the institute shall be constituted as per Guidelines prescribed by the AICTE from time to time.

10. The location and name of institution shall not be changed after the date of issue of this letter. The name and title of the institution shall not violate "The Emblems and Names (Prevention of improper use) act 12 (1950) of Government of India.

11. No change in the composition of society/ trust shall be permitted without AICTE's prior concurrence.

12. The Management shall follow all conditions as may be laid down/ revised by the AICTE from time to time and a registered legal undertaking to this effect shall be submitted to the AICTE by July 1998 as per Annexure - A (Legal undertaking).

13. The institution shall furnish requisite documents and reports as desired by AICTE from time to time in order to ensure proper maintenance of infrastructure and academic standards.

14. The administrative, academic and financial records including accounts shall be maintained for this Programme. The accounts shall be audited annually by a Chartered Accountant and all the records and reports shall be open for inspection by the AICTE or anybody authorised by it.

Cont/d....2

98A/96-97

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का एक विधिक संस्थान्) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No.431/TN-16/MCP-APR(M)/96 November 6, 1996

FATIMA COLLEGE (Autonomous) 12/11/96 MADURAI-18

The Secretary,
Education Department,
Government of Tamil Nadu,
Secretariat, Fort St. George,
Madras - 600 009.

Sub: Approval to conduct Master of Business Administration (MBA) Full Time programme with an annual intake of 60 (Sixty) seats only for 1996-97.

Sir,

I am directed to state that after evaluation of the proposal submitted by, Fatima College, Madurai for conducting MBA (FT) programme by an expert task force committee, an expert committee visit to the Institute and recommendations of AIB sub-committee, the All India Council for Technical Education, New Delhi, hereby accords the approval as under.

NAME & LOCATION OF THE INSTITUTE	NAME OF THE TRUST/SOCIETY
Fatima College, Department of Management Studies, Fatima College Campus, Mary Land, Madurai - 625 018.	Fatima College, Mary Land, Madurai - 625 018.

COURSE	MAXIMUM ANNUAL INTAKE	PERIOD OF APPROVAL
Master of Business Administration (MBA) (2-yrs Full Time)	Not exceeding 60 (Sixty)	1996-97

The approval is subject to the fulfillment of the general conditions given in Annexure - I. This approval is subject to periodic review by AICTE for further extension or otherwise.

NOTE: The programmes requested for approval other than those mentioned above (if any) have not been recommended by the All India Board and hence not approved by the Council.

Yours faithfully,

(Dr. S.K. Sharma)
Adviser

इंदिरा गाँधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. Estate, New Delhi - 110 002
Phone : 3351747/48/49, 3353903/4/5, 3326681, Fax : 011-3353806

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI

26A
F.No.431/TN-16/MCP-APR(M)/96

Copy to:

1. The Regional Officer,
AICTE Southern Regional Office,
26, Haddows Road, Chennai - 600 006

He is requested to closely monitor the compliance of norms & standards stipulated by the Council and keep the concerned Regional Committee and the AICTE informed of the same.

The infrastructure and other facilities shall be reviewed during the last approved academic year and recommendations of the concerned Regional Committee be made available to the AICTE.

2.Director/Principal,
FATIMA COLLEGE,,
DEPT OF MANAGEMENT STUDIES,,
FATIMA COLLEGE CAMPUS,,
MARY LAND,,
MADURAI - 625 018.,

3.The Registrar, Concerned University (MADURAI KAMRAJ)

He is requested to complete the process of affiliation for facilitating admissions in the course (s) and intake approved by the Council.

4.The Director of Technical Education,
Govt of Tamil Nadu,
Chennai-600 025

5.Guard File.

(Dr.Y.T.KRISHNEGOWDA)
DEPUTY DIRECTOR (MAP)

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

17 Dec 2001

DR.J.L.JUNEJA
ADVISOR (MAP)

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18

26A
F.NO.431/TN-16/MCP-APR(M)/96
19TH JUNE, 2001

The Secretary, Education Department,
Govt. of Tamil Nadu,
Secretariat, Fort St. George,
Chennai-600 009.

Sub: Extension of AICTE approval to the existing FATIMA COLLEGE, DEPT OF MANAGEMENT STUDIES, FATIMA COLLEGE CAMPUS, MARY LAND, MADURAI - 625 018. for conducting of Management Programme(s).

Sir,

I am directed to state that on the recommendation of Expert Committee/Sub-Committee of Regional Committee and in consultation with the concerned Agencies in this regard, the All India Council for Technical Education has extended its earlier approval accorded to FATIMA COLLEGE, DEPT OF MANAGEMENT STUDIES, FATIMA COLLEGE CAMPUS, MARY LAND, MADURAI - 625 018., for conducting following Post Graduate Management programme(s) for the session 2001-2003 with an annual intake and duration as given below:

NAME OF THE COURSE	LEVEL	INTAKE	PERIOD OF APPROVAL
MBA	FULL TIME	60	2001-2003
DURATION: FULL TIME-> 2 YEARS, PART TIME -> 3 YEARS AND D.EDN.-> 3 YEARS			

This approval has been accorded subject to fulfillment of specific conditions listed at Annexure-I (if any) and Norms and Standards & General Conditions as stipulated by Council in Annexure-II.

The admission will be made in accordance with Regulations notified by the AICTE vide GSR 476 (E) Dated 20.05.1994 based on the Hon'ble Supreme Court Judgments dated 04.02.1993 with regard to WP (C) No.607 of 1992 in the case of Unni Krishana JP and other etc. V/s State Government of Andhra Pradesh and others etc. and later judgments. No Management/institute/Trust or Society shall announce admissions directly under any circumstances. Any action contrary to this provision taken by the Institute will make it liable to be derecognised.

Further, in the event of infringement/contravention or non-compliance of the norms & standards prescribed by the AICTE during the last approved academic year, the council shall take further action to withdraw approval to this case for admission during subsequent academic year and the liability arising out of such withdrawal of approval will be solely that of Management/Trust/Society and/or Institutions.

The Council reserves the right to visit the Institution any time it may deem fit to note the progress.

You are requested to kindly monitor the progress made by this institution for fulfillment of the Norms & Standards of the Council & keep the concerned Regional Committee and AICTE informed.

Yours faithfully,

(J.L. JUNEJA)

ANNEXURE-I
F.NO.431/TN-16/MCP/APR(M)/96

FATIMA COLLEGE,
DEPTT. OF MANAGEMENT STUDIES,
MARY LAND, MADURAI, TAMIL NADU

SPECIFIC CONDITIONS:

1. The seperate lab should be created exclusively for MBA programme in the new building.

2. Computer faculty must be appointed immediately as per the AICTE Norms.

3. The institute should augument the library with latest titles in Management in different functional area's, so as to make minimum of 1500 titles.

4. More no. of journals be subscribed (National & International).

5. Advisory Committee as per the AICTE norms be constituted.

6. Revised AICTE scale of pay be implemented for faculty.

(S.K.TOSH)
ASSTT.DIRECTOR

File No:431/TN-16/MCP-APR(M)/96
July 16, 2000

Copy to:

1. Regional Officer, Southern Regional Office, All India Council for Technical Education, 26 Haddows Road, Shastri Bhawan, Chennai – 600 113.

   He is requested to closely monitor the compliance of norms & standards stipulated by the Council and keep the concerned Regional Committee and the AICTE informed of the same.

   The infrastructure and other facilities shall be reviewed during the last approved academic year and recommendations of the concerned Regional Committee be made available to the AICTE.

2. DIRECTOR/PRINCIPAL,FATIMA COLLEGE, DEPT OF MANAGEMENT STUDIES, FATIMA COLLEGE CAMPUS, MARY LAND, MADURAI - 625 018.

   With a request to fulfill the deficiencies as annexed to this letter and submit the compliance by December, 2000 to the Concerned Regional Office with a copy to AICTE, New Delhi.

   He is informed that this is an opportunity given to the institute.

   This may also be taken as advance notice that failure to rectify the deficiencies will entail withdrawal of approval, as persistence of these deficiencies are detrimental to the quality of teaching learning process.

3. The Registrar,MADURAI KAMRAJ University
   He is requested to complete the process of affiliation for facilitating admissions in the course(s) and intake approved by the Council.

4. Guard File.

(B.K. Tosh)
Asstt. Director (MAP)

Received on 7.9.2k.

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

Prof. R.S. Gaud
Advisor (MAP)

F No: 431/TN-16/MCP-APR(M)/96
July 16, 2000

To

The Secretary
Education Department,
Government of Tamil Nadu,
Secretariat, Fort St George,
Chennai-600 009

Sub: Extension of AICTE approval to the existing FATIMA COLLEGE,, DEPT OF MANAGEMENT STUDIES,, FATIMA COLLEGE CAMPUS,, MARY LAND,, MADURAI - 625 018., for conducting Management programme(s).

Sir,

I am directed to state that on the recommendation of Expert Committee and the sub-committee of the All India Board for Management Studies, the All India Council for Technical Education (AICTE) has extended its earlier approval accorded to FATIMA COLLEGE,, DEPT OF MANAGEMENT STUDIES,, FATIMA COLLEGE CAMPUS,, MARY LAND,, MADURAI - 625 018., for conducting following Post Graduate Management Programme(s) for the session 2000-2001 with and annual intake and duration as given below:

NAME OF THE COURSE	ANNUAL INTAKE	PERIOD OF APPROVAL
MBA, FULL TIME	60	2000-2001
DURATION:- FULLTIME -> 2 YEARS, PART TIME -> 3 YEARS AND D.ED. -> 3 YEARS		

This approval has been accorded subject to fulfilment of specific conditions listed at Annexure I (if any) and Norms and Standards & general conditions as stipulated by Council.

The admission will be made in accordance with Regulation notified by the AICTE vide GSR 476 (E) dated 20/05/94 based on the Hon'ble Supreme Court Judgement dated 04/02/93 with regard to WP © No. 7607 OF 1992 IN THE CASE OF Unni Krishnan JP and other etc. V/s. State Government of Andhra Pradesh and other etc. and later judgements. No Management/institute/Trust or Society shall announce admissions directly under circumstances. Any action contrary to this provision taken by the institute will make it liable to be derecognised.

Further, in the event of non-compliance of the Norms and Standards as stipulated by the AICTE, the Council shall take further action to withdraw of the Management/Institute.

The Council may inspect/visit the Institute any time it may deem fit to note progress/compliance.

Yours sincerely

(R.S GAUD)

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110 002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi-110 002
दूरभाष/Phone : 3379010/11/12/13/15/16/17/18, फैक्स/Fax : 011-3379002

14. The Council may decide to send an Expert Committee to visit the Institute to verify the compliance of the conditions as laid-down and any other specific conditions to make necessary recommendations for further extension of AICTE approval to the conduct of the approved course(s).

15. The information furnished in respect of the proposal are factual and correct. In the event of any information is found to be false, misleading or suppressed at a later date the approval accorded may be withdrawn by the AICTE in pursuance of Clause 12 of AICTE Regulations, 1994.

16. In the event of non-compliance by the Society with regard to Act, Gazette Regulations/ Guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or a person authorized by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

17. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

18. The institute shall observe all instructions/ guidelines issued by the AICTE regarding mode of selection of candidates for admissions to prescribing fees. No capitation shall be charged and no charges other than the fee fixed by the Competent Authority shall be levied on students.

19. The Institution shall be liable to bear all expenses payable to the students admitted to academic programs due to discontinuation of the institution by its own will or by AICTE including all demurrages incurred due to loss of time already pursued by the admitted students in the programs. The Institution shall also be responsible for suitable demurrages to the faculty and staff recruited in it.

20. The management of the college shall fully comply with the "SCHEME" as prescribed by the Supreme Court in its judgment dated 4.2.93 with regard to WP(c) No. 607 of 1992 in the case of UnniKrishnan and others Vs. State of Andhra Pradesh and others and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

21. The annual intake capacity of approved program shall be restricted within the intake approved by AICTE. Under no circumstances, the Institution shall admit students in excess to the intake approved by AICTE.

22. The institutions shall not collaborate or associate with any other institution or University neither Indian nor foreign to award one or more joint degrees or diplomas to the students admitted to the AICTE approved program.

23 Each institution shall submit to AICTE, a list of candidates admitted to the approved program(s) after finalizing admission (latest by August 31 of each year) giving names, percentage of marks in qualifying examinations score in written test, group discussion and interview with relative weightage and criteria of admission followed, constitution of admission committee. (Applicable only for institutions running MBA/MCA programs.)

24. The institution shall shift to the permanent accommodation as approved by the Council within two years from the date of approval. The Institution shall not shift to any unapproved location under any circumstances.

Date :
Place :

Signature
(Chairman/ President
of Trust/ Society)

ANNEXURE - II

(Notarized Undertaking to be submitted duly signed on a non-judicial stamp paper)

I/We hereby undertake on behalf of the ..... (Name of Trust/ Society) to follow and fulfill the following :

1. The Admissions shall be made only after adequate infrastructure and all other facilities are created as per norms and guidelines of the AICTE/Govt. of India/ State Govt. and obtaining the affiliation from the concerned University in case of degree programs. The Institute shall fulfill all specific conditions(if any) as laid down in this letter or revised by the AICTE from time to time.

2. The admission to the approved program shall be made only once in a year for approved intake capacity only and no increase in intake over and above the intake mentioned in this letter shall be permitted.

3. The approved course shall commence as per the academic calender of the affiliating university or in the month of July - August of each academic year.

4. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE/ affiliating agency.

5. The faculty strength and quality shall be maintained by the institute as per qualifications and pay scales prescribed by AICTE from time to time. The selection of faculty shall be made by a selection committee having representation from the State Govt./ University and AICTE.

6. The tuition fee and other charges shall be charged as prescribed by the competent authority (i.e. State Level Committee constituted by AICTE as stipulated in GSR 476(E)).

7. All academic and physical infrastructural facilities shall be continued to be provided/ updated by the institute as prescribed by AICTE from time to time.

8. No new course(s) shall be started in the same premises and no increase shall be made in the intake of other existing courses without prior concurrence of the AICTE.

9. The Governing body and Advisory body of the institute shall be constituted as per Guidelines prescribed by the AICTE from time to time.

10. The location and name of institution shall not be changed after the date of issue of first approval letter. The name and title of the institution shall not violate "The Emblems and Names (Prevention of improper use) act 12 (1950) of Government of India.

11. No change in the composition of society/ trust shall be permitted without AICTE's prior concurrence.

12. The institution shall furnish requisite documents and reports as desired by AICTE from time to time in order to ensure proper maintenance of infrastructure and academic standards.

13. The administrative, academic and financial records including accounts shall be maintained for this Program. The accounts shall be audited annually by a Chartered Accountant and all the records and reports shall be open for inspection by the AICTE or anybody authorized by it.

Contd\2.....

F.No.431/TN-16/MCP-APR(M)/96

Copy to:-

1. The Director of Technical Education, Govt. of Tamil Nadu, Chennai - 600 025

2. The Regional Office, All India Council for Technical Education, Shastri Bhavan, 26, Haddows Road, Chennai - 600 006.

   He is requested to closely monitor the compliance of norms and standards stipulated by the Council and keep the AICTE informed of the same.

(3) The Principal, FATIMA COLLEGE, DEPT OF MANAGEMENT STUDIES, FATIMA COLLEGE CAMPUS, MARY LAND, MADURAI - 625 018 with request to submit the compliance of deficiencies as follows within a period of three months from the date of issue of this letter.

   a) Seven more faculty as per AICTE norms be appointed.
   b) 1500 latest titles on Management be procured.
   c) 5 National and 10 International Journals be subscribed.
   d) The Computer lab for MBA setup.

   The undertaking as enclosed at Annexure-II be immediately sent to the Council duly notorised on a non-judicial stamp paper.

4. The Registrar, MADURAI KAMRAJ Univ

   He is requested to complete the process of affiliation for facilitating admissions in the course(s) and intake approved by the Council.

5. Gaurd File.

(B.K. Tosh)
Assistant Director

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(An Autonomous Body of the Govt of India by Parliament Act (52), 1987)

Tel.(011) 3379010-13
3378015-18
Telefax :011-3379023

प्रो. बी.जी संगमेश्वर
Prof. B. G Sangameshwara
सलाहकार
Advisor

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18. 26.8.99

S.NO. 11
F.No.431/TN-16/MCP-APR(M)/96
August 18, 1999

The Secretary to Government,
Govt. of Tamil Nadu,
Higher Education Department,
Secretariat Fort St. George,
Chennai - 600 009
Tamil Nadu

Sub.: Extention of AICTE approval to the existing FATIMA COLLEGE, DEPT OF MANAGEMENT STUDIES, FATIMA COLLEGE CAMPUS, MARY LAND, MADURAI - 625 018. for conducting Management programme(s).

Sir,

I am directed to state that on the recommendation of Expert Committee and the sub-committee of the All India Board for Management Studies, the All India Council for Technical Education (AICTE) has extended its earlier approval accorded to FATIMA COLLEGE, DEPT OF MANAGEMENT STUDIES, FATIMA COLLEGE CAMPUS, MARY LAND, MADURAI - 625 018. for conducting following Management Programme(s) for the session 1999-2000 with an annual intake and duration as given below.

NAME OF THE COURSE	PREVIOUS INTAKE	PRESENT INTAKE	PERIOD OF APPROVAL
MBA FULL TIME	60	60	1999-2000

DURATION :- FULL TIME->2 YEARS, PART TIME->3 YEARS

This approval has been accorded subject to fulfillment of norms and Standards and general conditions as stipulated by Council.

Further, in the event of non-compliance of the Norms and Standards as stipulated by the AICTE, the Council shall take further action to withdraw approval and the liability arising out of such withdrawal shall be solely that of the Management/Institute.

The Council may inspect/visit the Institute any time it may deem fit to note progress/compliance.

Yours faithfully,

(B.G.Sangameshwara)

Indira Gandhi Sports Complex, I. P. Estate, New Delhi -110 002

F.No.431/TN-16/MCP-APR(M)/96

COPY TO:

1. Director of Technical Education, Govt. of Tamil Nadu, Chennai-160 036.

2. Regional Officer, AICTE, Southern Regional Office, 26, Haddows Road, Chennai-600 113 (T.N.)

3. The Registrar, Madurai Kamraj University

4. The Principal/Director, FATIMA COLLEGE.DEPT OF MANAGEMENT STUDIES.FATIMA COLLEGE CAMPUS.MARY LAND,MADURAI-625018

5. Guard File.

(S.K.Prasad)
Asstt.Director

3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time **i.e. 31st August 2006 for the current year.**

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

14 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

***Note:** The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2006, failing which action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.*

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2006 for consideration of approval beyond the session 2006-07.

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions.

1. That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

   (b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

   (c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

   (d) That the institution shall not allow closure of the institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council

   (e) **That no excess admission shall be made by the institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

   (f) **That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

   (g) **That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

   (h) **The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution**

contd.. 3/-

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F. No. 431/TN-15/MCP-APR(M)/96

Date: 25/05/2006

To,

The Secretary (Education Deptt.)
Govt. of TN Secretariat,
Fort St. George,
Chennai – 600 009

Sub: **Extension of approval to Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist. - 625 018 for the academic year 2006-07.**

Sir,

As per the Regulations notified by the Council vide F.No. 37-3/Legal/2004 dated 28th November 2005 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist - 625 018 for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MBA (Full Time)	60	60	2006-2007

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2006.

- **Faculty:**

  - Sr. level faculty in cadre ratio as per AICTE norms should be appointed.
  - AICTE Pay scales should be implemented to all the faculty and staff.
  - Principal / Director of the institution is not qualified (in relative discipline) as per AICTE norms.
  - Qualification of Professor appointed is not as per AICTE norms (non-Ph.D.)
  - Exclusive Principal is not available for MBA

Contd.. 2/-

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi -110 002
दूरभाष / Phone : 23392506, 63-65-68, 71 73 -75 फैक्स / Fax : 011-23392554
वैबसाईट / Website : www.aicte.ernet.in

The following Documents are to be made available to the Expert Committee during the visit.

Approval	Land & Building
➢ First approval of AICTE ➢ Subsequent extension of approval of AICTE ➢ Affiliation of University	❖ Original land document ❖ Approved building plan with total built up area.
Faculty	**Photographs and Video [CD]**
• Name & Date of Joining of the Principal/Director • List of Faculty Members appointed with qualification, designation, date of joining discipline wise. • List of Faculty members deputed for higher studies last two years. • List of Papers published in National/International Conferences/Journals by the Faculty Members – last two years. • List of books/Text books written by the faculty last two years. • List of Faculty members attended Summer/Winter School- last two years. • List of R&D, Consultancy Project undertaken by Faculty – last two years • A quittance roll of Faculty /Non-teaching for the Current and previous year.	Color Photographs of the building attested by the Chairman/Secretary of the Trust/Society and a Video CD indicating the following: ❑ Front portion of the entire building in close View. ❑ Back side of the entire building in close view ❑ Inner view of at least one class room. ❑ Inner view of the computer room along with computers. ❑ Inner view of the entire institute with institution's name board in close view Inner view of drawing hall with furniture and drawing boards [as application] ❑ Inner view of library room. ❑ Inner view of faculty sitting room.
Students	**Library, Computers & Equipments [Coursewise]**
❖ Number of students admitted during previous year coursewise ❖ Percentage of Pass in each course for the last three years. ❖ Time table of each course during the current year.	✓ Stock Register of Library Books, Computers, Equipments of various laboratories, Furniture. **Finance** • Audited statement of accounts of the institution

A line of confirmation regarding the arrangements made for the visit of the Expert Committee is requested.

Yours faithfully,

(DR. M. RAVICHANDRAN)
DIRECTOR

SOUTHERN REGIONAL OFFICE
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
SHASTRI BHAVAN, 26, HADDOWS ROAD, CHENNAI 600 006.

Phone: (044) 28279358/28279096
Fax: 91-44-28255863
Gram: AICTESOUTH
E-Mail: director@sro.aicte.emet.in
aictesouth@vsnl.com

F.No.TTMG-32/2003 / 191

26th February, 2003

To
The Principal,
Fatima College,
Dept. of Mgt. Studies,
Fatima College Campus, Mary Land,
Madurai 625 018

plz call back

Sir,

I am to state that an Expert Committee will be visiting to your institution on **Sunday 2nd, March 2003 (8.00 a.m.)** for **(MBA Programme)** as per details given below.

The terms of reference of the Committee are to examine the infrastructural and instructional facilities available with the institution for extension of approval beyond the academic year 2002-2003 and submit its observations.

Sl. NO.	Existing Approved Courses	Approved Intake	Period of approval
1.	MBA (Full Time)	60	2001-2003
	Total	60	

I request you to kindly make necessary arrangements for the visit of the Expert Committee on **Sunday 2nd, March 2003 (8.00 a.m.)**. During the visit, the Expert Committee will inspect complete infrastructural facilities created by the Trust/Society by way of buildings, equipments, library, etc. Hence, necessary arrangements may be made to present a complete picture in this regard to the Committee. **You are also requested to submit a copy of the Part II (Institutional Profile) of the Expert Committee's Report which was sent to you and document details listed in the 2nd page of this letter to the Expert Committee at the time of visit.**

If necessary, the undersigned may be contacted at the above address in case of any clarification/difficulty with regard to the visit of the Expert Committee to your Institution.

It is the responsibility of the management to provide generator, if power supply is not available at the time of inspection.

It has come to our notice that a few of the Managements had, in the past, indulged in certain unethical practices during the visit of AICTE's Expert Committees, by way of providing fabulous gifts, pleasantry like gariands, shawls and also taking photographs/videographs of the visit of the team etc. **You are requested to ensure that, during the visit of the Expert Committee, the above practices are strictly to be avoided.**

Contd....

F.No431/TN-16/MCP-APR(M)/96

FATIMA COLLEGE,
DEPT OF MANAGEMENT STUDIES,
FATIMA COLLEGE CAMPUS,
MARY LAND,
MADURAI - 628 018.

IMPROVEMENTS TO BE MADE :-

- Buitup area not available as per norms.
- Qualified Professor should be appointed.

Aradhana Chopra
(Asst. Director)

In the event of infringement/ contravention or non-compliance of the above Conditions and/or the provisions of AICTE Act & Regulations/ Guidelines/ Norms & Standards as prescribed by AICTE, further actions leading to 'Reduced Intake' or "No Admission or Withdrawal of Approval, may be taken by AICTE and the liability arising out of such actions will be solely that of the Management of the Institution.

Your faithfully,

(K.Subramanian)
Adviser (PG)

Encls: (i) Improvements to be made

Copy to:

- Regional Officer, Southern Regional office, AICTE, 26, Haddows Road, Chennai – 600 006
- The Registrar, MADURAI KAMRAJ
- The Principal
  FATIMA COLLEGE,,
  DEPT OF MANAGEMENT STUDIES,,
  FATIMA COLLEGE CAMPUS,,
  MARY LAND.,
  MARY LAND.,
  MADURAI - 625 018.,
- Director of Tech. Education, Education Department, Govt. of Tamil Nadu, Chennai – 600 009.
- Guard File Bureau (PG)

The approval accorded above is subject to fulfillment of the following Conditions:

1.All full time faculty members as per AICTE Norms must be recruited before making admissions.

2.The Institution must have Affiliation to a University for the above courses before making admissions. In the absence of such Affiliation, this Letter of approval shall be treated as Withdrawn. (Order of the High Court of Madras in W.P. No. 33256 of 2002 and other Batch of Petitions).

3.All the required Laboratories/ Workshops/ Machineries/ Equipment, as per approved syllabi of the affiliating University, must be operational before making admissions.

4.The approved course(s) shall commence as per the academic calendar of the Affiliating University.

5.If this Letter of approval is received by you after the closing date of State / National Level Central Counseling for Admissions in the concerned State / Union Territory, this Letter of approval will not be valid for making any admission during the above specified academic year, and shall be treated as withdrawn.

6.No excess admission shall be made by the Institution during any academic year.

7.The approval is valid only for the academic year 2003-2004. If no further extension of AICTE approval is received beyond the academic year 2003-2004, this Approval Letter will not be valid for making any admission for the subsequent years.

8.Name of the Institution, Name of the Society/Trust, are not allowed to be changed without prior approval of AICTE. The name and title of the institution should be such that "the Emblems and Names (Prevention of Improper use) Act 12 (1950)" of Government of India, is not violated in any manner.

The use of word "Indian" and /or "National" and/or "All India" and/or "All India Council" and/or Commission" in any part of the name of a Technical institution and/ or any name whose abbreviated form leads to "IIM"/ "IIT"/"IISC"/"IIIT"/ "AICTE"/ "UGC" shall not be permitted. These restrictions will not be applicable for those institutions which are established with the name approved by the Govt. of India.

9. In exercise of power conferred under 10(p) of the AICTE Act, AICTE may inspect the Institution any time it may deem fit to verify the progress/ compliance or for any other purpose.

10. Any other condition(s) as may be specified by AICTE from time to time.

It may please be noted that consequent to judgement of Hon'ble Supreme Court delivered on 31.10.2002 in TMA Pai Case, the AICTE had issued interim policy regulations, which has been notified in the Gazette of India on 20/03/2003. All the provisions contained in the interim policy regulations shall be applicable for the academic year 2003-2004 in respect of all the AICTE approved institutions.

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संगठन) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No.:431/TN-16/MCP-APR(M)/96

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18. 26/5/2003

Date: 7th May, 2003

To

The Secretary to Government,
Higher Education Department,
Govt. of Tamil Nadu,
Secretariat, Fort St. George,
Chennai – 600 009.

Sub: Extension of AICTE approval to FATIMA COLLEGE,, DEPT OF MANAGEMENT STUDIES,, FATIMA COLLEGE CAMPUS,, MARY LAND,, MADURAI - 625 018..

Sir/Madam,

The Application/ Proposal and/ or the Compliance Report received from FATIMA COLLEGE,,DEPT OF MANAGEMENT STUDIES,,FATIMA COLLEGE CAMPUS,,MARY LAND,,MADURAI - 625 018. has been processed as per laid down procedure, guidelines, policy and/or norms & standards of AICTE, mentioned in AICTE Regulations and/ or "AICTE Hand Book for Approval Process".

I am directed to state that the All India council for Technical Education (AICTE) is pleased to accord approval for extension / variation in intake to FATIMA COLLEGE,, DEPT OF MANAGEMENT STUDIES,, FATIMA COLLEGE CAMPUS,, MARY LAND,,MADURAI - 625 018., for the course with annual intake and period of approval as given below :-

COURSE	EXISTING ANNUAL INTAKE	REVISED APPROVED INTAKE	PERIOD OF APPROVAL
MBA(FT)	60.	60	2003-2006

Cont...2

इन्दिरा गांधी खेल परिसर, मूलचन्द फ्लाइ, नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. estate, New Delhi-110 002
दूरभाष : Phone : 3392506,63-65,68,71,73-75 फैक्स/Fax : 011-3313354

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI

ANNEXTURE - II

General Conditions

1. No new course(s) shall be started or an ongoing course(s) shall be discontinued without the prior approval of the AICTE.
2. The intake capacity in any of the approved course(s) shall not be increased or varied without the prior approval of the AICTE.
3. Adequate funds shall be available with the Institution to meet the financial obligations of recurring and non-recurring nature as prescribed by the AICTE, from time to time.
4. All infrastructural, instructional and other facilities shall be provided as per the AICTE norms prescribed from time to time.
5. Teaching and other staff shall be selected according to the procedure, qualifications, experience and pay scales as prescribed by AICTE from time to time, and that they shall be paid full salaries and allowances regularly and in time.
6. The tuition and other fees shall be charged as prescribed by the State Government within the overall criteria/limits as may be laid down by the AICTE from time to time.
7. Admissions shall be made according to the regulations and directions of the AICTE for such admissions in the respective technical institution or university.
8. The State Government policies for admissions of SC/ST, other weaker sections of Society etc., shall be followed by the Institution.
9. Institution by virtue of the approval by AICTE shall not automatically become eligible to receive financial grants or assistance from the Central or State Governments.
10. Institution shall maintain records and books of accounts as prescribed by the Competent Authority.
11. The Accounts of the Institution shall be audited by Chartered Accountant or any agency authorised by the Competent Authority and shall be open for inspection by the AICTE or any body authorised by it.
12. The Institution shall be subject to a Special Audit and inspection as prescribed by the AICTE.
13. Institution shall furnish requisite returns as prescribed by Competent Authority/AICTE for ensuring maintenance of standards.
14. The Institution may be visited by an officer or a Committee of the AICTE or of its Regional Office from time to time to review the progress made by the Institution in fulfilling the conditions as laid down by the AICTE.

Additional Conditions for Pvt. and Grant-in-Aid technical institutions :

15. The Governing Body of the institution shall be constituted, and its Chairman shall be appointed as per the guidelines of AICTE.
16. The institution shall not charge any Capitation Fee or donation for admission or other higher charges from the students/guardians of the students in any form.
17. The Institution shall constitute a Planning and Monitoring Board (PMB) for the continuous monitoring of implementation of norms and standards of the AICTE. There shall be an evaluation of the institution in a plan period by the AICTE.
18. The institution should create an Endowment fund jointly in the name of the institution and the concerned State Authority to the tune of 30% of the projected peak annual recurring expenditure or as prescribed by the State Govt./UT or Rs. 10 lakhs, whichever is more.

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

FATIMA COLLEGE (Autonomous) MADURAI-18

F.No.:431/[illegible]/APR(M)/96

Date: June 2, 2009

To

The Secretary,
(Higher Education),
Govt. of Tamilnadu,
Fort St. George,
Chennai-600 009

Sub: Extension of approval to **Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist. - 625 018, Tamilnadu** for the academic year 2009-10

Sir,

As per the Regulations notified by the Council vide F.No. 37-3/Legal/2006 dated **14th September 2006** and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist. - 625 018** for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MBA (Full Time)	60	60	2009-12
TOTAL	**60**	**60**	

* ***The Compliance Report with requisite processing fee is required to be submitted every year by 31st August irrespective of the period of approval.***

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2009.

Faculty:

- Sr. level faculty in cadre ratio as per AICTE norms should be appointed.

Others:

- Library Facility in terms of books are inadequate as per AICTE norms.

Note: **The mandatory disclosure in prescribed format is required to be hosted on the website as per directions in the AICTE website failing which, action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.**

Contd..2

7वीं तल, चन्द्रलोक भवन जनपथ नई दिल्ली 110001
7th Floor, Chander Lok Building, Janpath, New Delhi-110001
Phone : 011-23724151-57 Fax : 011-23724183 Website : www.aicte-emet.in

14 **That in the event of a student/candidate withdrawing before the starting of the course, the wait listed candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing of not more than Rs. 1000/- (Rupees One thousand only) shall be refunded and returned by the Institution/University to the student/candidate withdrawing from the programme. It would not be permissible for institutions and Universities to retain the School/Institution Leaving Certificate in original to force retention of admitted students (see Public Notice AICTE/DPG/03(01)/2008).**

15 **"That the institution shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. (C) 656/1998. In case of failure to prevent the instances of ragging by the institutions, the Council shall take the appropriate action withdrawal of approval".**

16 That the Management shall strictly follow further conditions as may be specified by the Council through various notifications in media including AICTE official website (www.aicte.ernet.in), from time to time.

17 In the event of non-compliance by the **Fatima College, Department of Management Studies,, Mary Land, Madurai, Madurai Dist.** with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of **Fatima College, Department of Management Studies,, Mary Land, Madurai, Madurai Dist..**

Yours faithfully,

(Prof. Harish C. Rai)
Advisor(M&T)

Copy to:

1. **The Principal,**
   Fatima College, Department of Management Studies,,
   Mary Land, Madurai, Madurai Dist.

2. **The Regional Officer**, AICTE Southern Regional Office,
   26, Haddows Road, Shastri Bhawan,
   Chennai - 600 006

3. **The Director of Technical Education,**
   Govt. of Tamil Nadu,
   Directorate of Technology Education, Chennai - 600 025

4. **The Registrar**, Concerned Affiliating University
   (he is requested to complete the process of affiliation for facilitating admissions).

5. **Guard File** (M&T).

3 That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from AICTE

4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7. (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. 31st August 2008 for the current year.

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 That AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

Note: The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2008, failing which action would be initiated as per the rules and regulations of AICTE including No Admission / Withdrawal of approval

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website **www.aicte.ernet.in**) to the concerned Regional Office latest by 31st August 2008 for consideration of approval beyond the session 2008-09. ***It may be noted that all the institutions are required to submit the Compliance Report along with requisite processing fee by 31st August, every year, irrespective of the period of approval.***

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favor of "The Member Secretary, AICTE", payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1. That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of AICTE.

   (b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

   (c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by AICTE.

   (d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.

   (e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

   (f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

   (g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

   (h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का सांविधिक निकाय) (A statutory body of the Govt. of India)

F. No.:431/TN-16/MCP-APR(M)/96

Date: 22.05.2006

To,

The Secretary,
(Higher Education),
Govt. of Tamilnadu, Fort St. George
Chennai-600 009

Sub: Extension of approval to Fatima College, Department of Management Studies,, Mary Land, Madurai, Madurai Dist. beyond the academic year 2007-2008

Sir,

As per the Regulations notified by the All India Council for Technical Education vide F.No. 37-3/Legal/2006 dated 14th Sept 2005 and Norms, Standards, Procedures and Conditions prescribed by it from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **Fatima College, Department of Management Studies,, Mary Land, Madurai, Madurai Dist.** for conduct of the following courses with the intake indicated below::

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MBA (Full Time)	60	60	2006-2009*

** The Compliance Report with requisite processing fee is required to be submitted every year by 31st August irrespective of the period of approval.*

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2006.

Faculty:

- **Principal / Director of the institution is not eligible (Non - Ph.D.) as per AICTE norms. Eligible Principal / Director should be appointed by 30th June, 2006.**
- AICTE pay scales should be implemented to all the faculty and staff.
- Sr. level faculty in cadre ratio as per AICTE norms should be appointed.
- Cadre ratio not maintained as per AICTE norms.

Others:

- LAN is short by 100%. (Required 30, Available 00).

7वॉ तल, चन्द्रलोक भवन, जनपथ, नई दिल्ली–110001
7th Floor, Chander Lok Building, Janpath, New Delhi-110001
Phone : 011-23724151-57 Fax : 011-23724183 Website : www.aicte.ernet.in

15 In the event of non-compliance by the **Fatima College, Department of Mgt. Studies., Mary Land Madurai- 625 018** with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of **Fatima College, Department of Mgt. Studies,, Mary Land Madurai - 625 018.**

Yours faithfully,

(Prof. K. Madhu Murthy)
Advisor- (M&T)

Copy to:

1. **The Principal,**
   Fatima College, Department of Mgt. Studies,
   Mary Land Madurai - 625 018
2. **The Regional Office,** AICTE Southern Regional Office, 26, Haddows Road, Shastri Bhawan, Chennai - 600 006
3. **The Director of Technical Education,** Govt. of TamilNadu, Directorate of Tech. Education,Chennai - 600 025
4. **The Registrar,** Concerned Affiliating University
   (He is requested to complete the process of affiliation for facilitating admissions).
5. **Guard File** (M&T).

4 That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time i.e. 31st August 2007 for the current year.

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

14 That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

Contd. 4/-

Note: The mandatory disclosure in prescribed format if not hosted on the website should be hosted by 31st May, 2007, failing which action would be initiated as per the rules and regulations of the AICTE including No Admission / Withdrawal of approval.

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2007 for consideration of approval beyond the session 2007-08.

The Compliance Report must be accompanied with a processing fee of Rs. 40,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1. That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

   (b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

   (c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

   (d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.

   (e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

   (f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

   (g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

   (h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution

3. That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

Contd. 3/-

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

12/2/2006-07

F. No.431/TN-16/MCP-APR(M)/96

Date: 10/05/2007

To,

The Secretary,
(Higher Education),
Govt. of Tamilnadu, Fort St. George
Chennai-600 009

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18

Sub: Extension of approval to Fatima College, Deparoment of Mgt. Studies,, Mary Land, Madurai - 625 018 for the academic year 2007-2008

Sir,

As per the Regulations notified by the Council vide F.No. 37-3/Legal/2004 dated 14th Sept 2006 and Norms, Standards, Procedures and Conditions prescribed by the Council from time to time and based on the recommendations of Appraisal Committee / Expert Committee, I am directed to convey the extension of approval of the Council to **Fatima College, Department of Mgt. Studies,, Mary Land Madurai- 625 018**for conduct of the following courses with the intake indicated below:

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
1. MBA (Full Time)	60	60	2007-2008

The above approval is subject to rectification of the following observations / deficiencies / specific conditions by 31st August 2007.

Faculty:

- Cadre Ratio not maintained as per AICTE norms.

Others:

- Books short by 70% (required 11000 & available books are 3302).
- Journal (International) short by 40% (required 15 & available 09).
- Previously communicated deficiencies partially complied.

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi-110 002
दूरभाष / Phone : 23392506, 63-65-68, 71, 73 -75 फैक्स / Fax : 011-23392554
वैबसाइट / Website : www.aicte.emet.in

15 In the event of non-compliance by the Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist. - 625 018 with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist. - 625 018.

Yours faithfully,

Dr. Rajnish Shrivastava
Advisor- UG/PG (M&F)

Copy to:

1. The Principal,
   Fatima College,
   Department of Mgt. Studies,
   Mary Land, Madurai,
   Madurai Dist. - 625 018

2. The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shastri Bhawan, Chennai - 600 006

3. The Director of Technical Education, Govt. of Tamil Nadu, Chennai- 600 025 (TN)

3. The Registrar, Madurai Kamaraj University, Madurai
   (He is requested to complete the process of affiliation for facilitating admissions).

4. Guard File (UG/PG)

4. **The Principal / Director,**
FATIMA COLLEGE (AUTONOMOUS)
MARYLAND
NEW VILANGUDI POST
MADURAI - 625018
TAMILNADU
INDIA,
MADURAI,MADURAI,
Tamil Nadu,625018

5. **The Secretary / Chairman,**
ST.JOSEPH'S SOCIETY OF MADURAI.
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI,
MADURAI,MADURAI,
Tamil Nadu,625010

6. **Guard File(AICTE)**

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-688496781			Course	Full/Part Time	Affiliating Body	Intake 2011-12	Intake Approved for 12-13	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	MADURAI KAMARAJ UNIVERSITY, MADURAI	60	60	No	No	No
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	MADURAI KAMARAJ UNIVERSITY, MADURAI	60	60	No	No	No

The above mentioned approval is subject to the condition that FATIMA COLLEGE (AUTONOMOUS) shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
   Tamil Nadu
3. **The Registrar,**
   MADURAI KAMARAJ UNIVERSITY, MADURAI

Application Number: 1-688496781*

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:31 May 2012.

Printed By : AE12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-688496781/2012/EOA

Date: 10 May 2012

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2012-13

Ref: Application of the Institution for Extension of approval for the academic year 2012-13

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2010 notified by the Council vide notification number F-No.37-3/Legal/2010 dated 10/12/2010 and amendment vide notification number F-No.37-3/Legal/2011 dated 30/09/2011 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-688496781
		Permanent Id	1-28199721
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	Yes	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	No	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2012-13

Application Number: 1-688496781*

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:31 May 2012.

Printed By : AE12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

NEW	VILANGUDI	POST
MADURAI	-	625018
TAMILNADU		

INDIA,MADURAI,Tamil Nadu,625018 shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.
The Institutions shall generate the deficiency report through the web portal and rectify the defects, if any, before 30th September, 2011. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
   Tamil Nadu
3. **The Registrar,**
   MADURAI KAMARAJ UNIVERSITY, MADURAI
4. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   MARYLAND
   NEW VILANGUDI POST
   MADURAI - 625018
   TAMILNADU
   INDIA,
   MADURAI,MADURAI,
   Tamil Nadu,625018
5. **The Secretary / Chairmen,**
   ST.JOSEPH'S SOCIETY OF MADURAI.
   ASSUMPTION HOUSE,
   73, BYE PASS ROAD,
   ELLIS NAGAR POST
   MADURAI,
   MADURAI,MADURAI,
   Tamil Nadu,625010
6. **Guard File(AICTE)**

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-451021252/2011/EOA Date: 05-09-2011 11:23:17

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2011-12.

Sir/Madam,

In terms of the Regulations notified by the Council vide F.No. 37-3/Legal/2011 dated 10/12/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to

Regional Office	Southern	Application Id	1-451021252
		Permanent Id	1-28199721
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA,MADURAI,MADURAI,Tamil Nadu,625018
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private		

to conduct following courses with the intake indicated below for the academic year 2011-12

Application Id: 1-451021252			Course	Full/Part Time	Affiliating Body	Intake 2010-11	Intake Approved for 11-12	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	MADURAI KAMARAJ UNIVERSITY, MADURAI	60	60	No	No	No
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	MADURAI KAMARAJ UNIVERSITY, MADURAI	60	60	No	No	No

The above mentioned approval is subject to the condition that ST.JOSEPH'S SOCIETY OF MADURAI,FATIMA COLLEGE (AUTONOMOUS),MARYLAND

Application Number : 1-451021252 Page 1 of 2

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

688/2010-11

FATIMA COLLEGE (Autonomous) 18.10.10

All India Council for Technical Education
(A Statutory Body under Ministry of HRD, Govt of India)
7th floor, Chandralok Building, Janpath, New Delhi 110 001
Phone : 11 23724151-57 FAX : 11 23724183 www.aicte-india.org

No. : Southern Region/CHENNAI-69-1-KG3QV/2010/EOA

August 23, 2010

To,
Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bld.
6th Floor Secretariat, Chennai-600009

Sub. : Extension of approval for the academic year 2010-11.

Sir,

In terms of the Regulations notified by the Council vide F. No. 37-3/Legal/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to :

FATIMA COLLEGE, DEPARTMENT OF MGT. STUDIES,, TAMILNADU

for conduct of the following courses with the intake indicated below in the academic year 2010-11:

Sr. No.	Program	Level	Shift	Course	Intake 2009-10	Intake 2010-11
1	Management	PG	First Shift	MBA (FULL TIME)	60	60

The above mentioned approval is subject to the condition that :
FATIMA COLLEGE, DEPARTMENT OF MGT. STUDIES., TAMILNADU

shall follow and adhere to the regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and hard copy to Regional Office.

Anti Ragging : The approval is subject to the institutions strictly complying with all the provisions made under the Anti ragging regulation notified by council vide F.No 37/Legal/AICTE/2009 dated 1-7-2009 failing which, it will be liable to any action defined under clause 9(4) of the regulation

Yours faithfully,

Dr. S. G. Bhirud
Director

Copy to :
1. The Regional Office, Southern Region, Tamil Nadu
2. The Director of Technical Education, ~~Government of Tamil~~
3. Guard File (AICTE)
4. The Registrar, Affiliating University
5. The Principal / Director,
FATIMA COLLEGE, DEPARTMENT OF MGT. STUDIES,, TAMILNADU

Page 1 of 1

666/2010-11

FATIMA COLLEGE (Autonomous) 18.10.10

All India Council for Technical Education
(A Statutory Body under Ministry of HRD Govt of India)
7th floor, Chandralok Building, Janpath, New Delhi 110 001
Phone : 11 23724151-57 FAX : 11 23724183 www.aicte-india.org

No. : Southern Region/CHENNAI-69-1-KG3QV/2010/EOA

August 23, 2010

To,
Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bld.
6th Floor Secretariat, Chennai-600009

Sub. : Extension of approval for the academic year 2010-11.

Sir,

In terms of the Regulations notified by the Council vide F. No. 37-3/Legal/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to :

FATIMA COLLEGE, DEPARTMENT OF MGT. STUDIES,, TAMILNADU

for conduct of the following courses with the intake indicated below in the academic year 2010-11:

Sr. No.	Program	Level	Shift	Course	Intake 2009-10	Intake 2010-11
1	Management	PG	First Shift	MBA (FULL TIME)	60	60

The above mentioned approval is subject to the condition that :
FATIMA COLLEGE, DEPARTMENT OF MGT. STUDIES,, TAMILNADU

shall follow and adhere to the regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and hard copy to Regional Office.

Anti Ragging :- The approval is subject to the institutions strictly complying with all the provisions made under the Anti ragging regulation notified by council vide F.No. 37/Legal/AICTE/2009 dated 1-7-2009 failing which it will be liable to any action defined under clause 9(4) of this regulation.

Yours faithfully,

Dr. S. G. Bhirud
Director

Copy to :
1. The Regional Office, Southern Region, Tamil Nadu
2. The Director of Technical Education, [illegible]
3. Guard File (AICTE)
4. The Registrar, Affiliating University
5. The Principal / Director,
FATIMA COLLEGE, DEPARTMENT OF MGT. STUDIES,, TAMILNADU

Page 1 of 1

F.No.431/TN-15/MCP-APR(M)/96

16. That the institution shall provide the following facilities for the physically challenged persons.

    (a) Class rooms, toilets and hostels to be made accessible to wheel chair users.
    (b) Resource room for visually impaired students.
    (c) Accessible Library
    (d) Counseling Centre for disabled students
    (e) Facility of Sign Language Interpreter
    (f) All students needing assistive devices to be provided such devices

17. That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

18. In the event of non-compliance by the Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist.-625 018 with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of Fatima College, Department of Mgt. Studies,, Mary Land, Madurai, Madurai Dist.-625 018.

Yours faithfully,

(Dr. K.B. Thakur)
Director (M&T)

Copy to:

1. **The Regional Officer,** AICTE Southern Regional Office, 26, Haddows Road, Shastri Bhawan,Chennai - 600 006

2. **The Director of Technical Education,** Govt. of TamilNadu, Directorate of Tech. Education,Chennai - 600 025

3. **The Principal/ Director,**
   Fatima College, Department of Mgt. Studies,,
   Mary Land, Madurai,
   Madurai Dist.-625 018
   (Relevant AICTE regulations / notifications / guidelines pertaining to Admission, Fees and Tuitions Fees waiver schemes are also annexed).

4. The Registrar,Madurai Kamaraj University, Madurai
   (He is requested to complete the process of affiliation for facilitating admissions).

5. **Guard File** (AICTE)

5 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or persons authorized by it.

6 That the Director/ Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

7 (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/ programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the Institution.

(c) That it shall be mandatory for the technical institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosures on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time **i.e. 31st August 2009 for the current year.**

(e) That if Technical Institution fails to disclose the information or suppress and/ or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8 That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliated University and shall be in operational condition before making admissions.

9 That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10 That a computer center with adequate number of terminals, Printers etc. shall be established as per AICTE norms.

11 AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

12 That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

13 That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid form the Central or State Government.

14 That in the event of a student/ candidate withdrawing before the starting of the course, the wait listed candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee of not more than Rs. 1000/- (Rupees One thousand only) shall be refunded and returned by the Institution / University to the student/ candidate withdrawing from the programme. It would not be permissible for Institutions and Universities to retain the School/ Institution Leaving Certificates in original to force retention of admitted students (See Public Notice AICTE/ DPG/ 03(01) /2008)

15 The Institute shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. © 656/1998. Incase of failure to prevent the instances of ragging by the Institutions, the Council shall take appropriate action including withdrawal of approval.

The institution is required to submit two copies of the Compliance Report, indicating the rectification of deficiencies along with mandatory disclosure and details of faculty recruited for each course in the prescribed format (available at AICTE Website www.aicte.ernet.in) to the concerned Regional Office latest by 31st August 2009 for consideration of approval beyond the session 2009-10. **It may be noted that all the institutions are required to submit the Compliance Report alongwith requisite processing fee by 31st August every year irrespective of the period of approval.**

The Compliance Report must be accompanied with a processing fee of Rs. 50,000/- in the form of demand draft in the favour of Member Secretary, AICTE, payable at New Delhi. In the absence of processing fee the Compliance Report will not be entertained. Following the Compliance report, the Council would verify the status in respect of rectification of deficiencies through surprise random inspection without any prior notice.

The above approval if granted after rectification of deficiencies would be subject to the fulfillment of the following general conditions:

1. That the management shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admission shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

   (b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

   (c) That the curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

   (d) That the Institution shall not allow closure of the institution or discontinuation of the course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.

   (e) That no excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution.

   (f) That the institutions shall not have any collaborative arrangements with any Indian and/ or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution.

   (g) That the Institution shall not conduct any course(s) in the field of technical education in the same premises/ campus and / or in the name of the Institution without prior permission/ approval of AICTE. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution.

   (h) The institution shall not conduct any non-technical course(s) in the same premises/ campus under any circumstances. In case any violation is reported to the Council, appropriate penal action including withdrawal of approval shall be initiated against the Institution.

3. That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

4. That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form.

contd.. 3/-

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-2811516464/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2811516464
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Permanent Id	1-28199721
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018
Institute Type	Unaided - Private	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2811516464			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twining Program Approval status
Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRA	MASTERS IN BUSINESS ADMINISTRATI	FULL TIME	Madurai Kamraj University,	60	60	NA	NA	NA

Application Number: 1-2811516464
Note: This is a Computer generated Report.No signature is required.

Printed By : ae12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

3. **The Registrar,**
Madurai Kamraj University, Madurai

4. **The Principal / Director,**
FATIMA COLLEGE (AUTONOMOUS)
MARYLAND
NEW VILANGUDI POST
MADURAI - 625018
TAMILNADU
INDIA,
MADURAI,MADURAI,
Tamil Nadu,625018

5. **The Secretary / Chairman,**
ST.JOSEPH'S SOCIETY OF MADURAI.
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI,
MADURAI,MADURAI,
Tamil Nadu,625010

6. **Guard File(AICTE)**

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2449945534			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that FATIMA COLLEGE (AUTONOMOUS) shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant
Actg Chairman, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
   Tamil Nadu

Application Number: 1-2449945534*

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:15 April 2015

Printed By : AE12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-2449945534/2015/EOA

Date: 07-Apr-2015

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2449945534
		Permanent Id	1-28199721
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:15 April 2015

Printed By : AE12823251

All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu

2. **The Director Of Technical Education,**
Tamil Nadu

3. **The Registrar,**
Madurai Kamraj University, Madurai

4. **The Principal / Director,**
FATIMA COLLEGE (AUTONOMOUS)
MARYLAND
NEW VILANGUDI POST
MADURAI - 625018
TAMILNADU
INDIA,
MADURAI,MADURAI,
Tamil Nadu,625018

5. **The Secretary / Chairman,**
ST.JOSEPH'S SOCIETY OF MADURAI.
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI,
MADURAI,MADURAI,
Tamil Nadu,625010

6. **Guard File(AICTE)**

Application Number: 1-2016317032*

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:12 November 2014

Printed By : AE12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2016317032			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	N
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	N

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that FATIMA COLLEGE (AUTONOMOUS) shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)
Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:12 November 2014

Printed By : AE12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-2016317032/2014/EOA

Date: 04-Jun-2014

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2016317032
		Permanent Id	1-28199721
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

3. **The Registrar,**
Madurai Kamraj University, Madurai

4. **The Principal / Director,**
FATIMA COLLEGE (AUTONOMOUS)
MARYLAND
NEW VILANGUDI POST
MADURAI - 625018
TAMILNADU
INDIA,
MADURAI,MADURAI,
Tamil Nadu,625018

5. **The Secretary / Chairman,**
ST.JOSEPH'S SOCIETY OF MADURAI.
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI,
MADURAI,MADURAI,
Tamil Nadu,625010

6. **Guard File(AICTE)**

All India Council For Technical Education
योगः कर्मसु कौशलम्

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-1339815242			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake Approved for 13-14	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	NA

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that FATIMA COLLEGE (AUTONOMOUS) shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

2. **The Director Of Technical Education,**
   Tamil Nadu

Application Number: 1-1339815242* Page 2 of 3

Note: This is a Computer generated Extension of Approval Letter. No signature is required. Letter Printed On:2 December 2013.

Printed By : ae12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-1339815242/2013/EOA

Date: 19-Mar-2013

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2013-14

Ref: Application of the Institution for Extension of approval for the academic year 2013-14

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-1339815242
		Permanent Id	1-28199721
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	Yes	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	No	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2013-14

Application Number: 1-1339815242*

Page 1 of 3

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:2 December 2013.

Printed By : ae12823251

Assumption House,
73, Bye Pass Road,
Ellis Nagar Post
Madurai.
Madurai,Madurai,
Tamil Nadu,625010

5. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu

6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

Application No:1-4261951933
Note: This is a Computer generated Report. No signature is required.
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Page **3** of **3**
Letter Printed On:2 May 2019

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2019-20	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
MCA	1st	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FT	Madurai Kamaraj University, Madurai	60	NA	NA
MANAGEMENT	1st	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FT	Madurai Kamaraj University, Madurai	60	NA	NA

+FT –Full Time,PT-Part Time

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutes and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC/General . However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Tamil Nadu**

2. **The Registrar**,**
   Madurai Kamaraj University, Madurai

3. **The Principal / Director,**
   Fatima College (Autonomous)
   Maryland
   New Vilangudi Post
   Madurai - 625018
   Tamilnadu
   India,
   Madurai,Madurai,
   Tamil Nadu,625018

4. **The Secretary / Chairman,**
   St.Joseph'S Society Of Madurai.

Application No:1-4261951933
Note: This is a Computer generated Report. No signature is required.
Printed By : ae12823251

Page **2** of **3**
Letter Printed On:2 May 2019

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2019-20

Extension of Approval (EoA)

F.No. Southern/1-4261951933/2019/EOA Date: 29-Apr-2019

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of approval for the Academic Year 2019-20

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AB/AICTE/REG/2018 dated 31/12/2018 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-28199721	**Application Id**	1-4261951933
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST.JOSEPH'S SOCIETY OF MADURAI.
Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private	**Region**	Southern

Opted for change from Women to Co-Ed and Vice versa	No	**Opted for Change of Site**	No
Change from Women to Co-Ed and vice versa Approved or Not	NA	**Change of Site Approved or Not**	NA
New Name After change from Women to Co-Ed and Vice versa	NA	**New Site Address after change of Site Approved**	NA
Opted for Change of Name	Yes	**Opted for Conversion from Degree to Diploma**	No
Change of Name Approved or Not	No	**Opted for Conversion from Diploma to Degree**	No
New Name After Institute Name Change Approved	NA	**Conversion (Degree to Diploma or vice-a- versa) Approved or Not**	NA
Opted for Organization Name Change	No	**Opted for Merger of Institution**	No
Change of Organization Name Approved or Not	NA	**Merger of Institution Approved or Not**	NA
Opted for Introduction of New Program/Level	No	**Introduction of Program/Level Approved or Not**	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2019-20

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu
2. The Director Of Technical Education**,
   Tamil Nadu
3. The Registrar**,
   Madurai Kamaraj University, Madurai
4. The Principal / Director,
   FATIMA COLLEGE (AUTONOMOUS)
   MARYLAND
   NEW VILANGUDI POST
   MADURAI - 625018
   TAMILNADU
   INDIA,
   MADURAI,MADURAI,
   Tamil Nadu,625018
5. The Secretary / Chairman,
   ST.JOSEPH'S SOCIETY OF MADURAI.
   ASSUMPTION HOUSE,
   73, BYE PASS ROAD,
   ELLIS NAGAR POST
   MADURAI,
   MADURAI,MADURAI,
   Tamil Nadu,625010
6. Guard File(AICTE)

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2018-19

Extension of Approval (EoA)

F.No. Southern/1-3515821305/2018/EOA

Date: 04-Apr-2018

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2018-19

Ref: Application of the Institution for Extension of approval for the Academic Year 2018-19

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and amended on December 5, 2017 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-28199721	**Application Id**	1-3515821305
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST.JOSEPH'S SOCIETY OF MADURAI.
Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private	**Region**	Southern

Opted for Change from Women to Co-Ed and vice versa	No	**Change from Women to Co-Ed and vice versa Approved or Not**	NA
Opted for Change of Name	No	**Change of Name Approved or Not**	NA
Opted for Change of Site	No	**Change of Site Approved or Not**	NA
Opted for Conversion from Degree to Diploma or vice versa	No	**Conversion for Degree to Diploma or vice versa Approved or Not**	NA
Opted for Organization Name Change	No	**Change of Organization Name Approved or Not**	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2018-19

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2018-19	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status	Foreign Collaboration /Twining Program Approval Status*
MCA	1st	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FT	Madurai Kamaraj University, Madurai	60	NA	NA	NA
MANAGEMENT	1st	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FT	Madurai Kamaraj University, Madurai	60	NA	NA	NA

+FT –Full Time,PT-Part Time

Application No:1-3515821305
Note: This is a Computer generated Report. No signature is required.
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Letter Printed On:24 April 2018

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI,
MADURAI,MADURAI,
Tamil Nadu,625010

6. **Guard File(AICTE)**

Note: ** - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

		DUATE	ON		Madurai					
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Madurai Kamaraj University, Madurai	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that
FATIMA COLLEGE (AUTONOMOUS)
shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education**,**
   Tamil Nadu
3. **The Registrar**,**
   Madurai Kamaraj University, Madurai
4. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   MARYLAND
   NEW VILANGUDI POST
   MADURAI - 625018
   TAMILNADU
   INDIA,
   MADURAI,MADURAI,
   Tamil Nadu,625018
5. **The Secretary / Chairman,**
   ST.JOSEPH'S SOCIETY OF MADURAI.

Application Number: 1-3325107362
Note: This is a Computer generated Report.No signature is required.

Printed By : AE12823251

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-3325107362/2017/EOA

Date: 30-Mar-2017

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2017-18

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-28199721	Application Id	1-3325107362
Name of the Institute	FATIMA COLLEGE (AUTONOMOUS)	Institute Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018
Name of the Society/Trust	ST.JOSEPH'S SOCIETY OF MADURAI.	Society/Trust Address	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institute Type	Unaided - Private	Region	Southern

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-a-versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3325107362			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIO / FN / Gulf quota/ OCI/ Approval status	Foreign Collaboration/Twining Program Approval status
Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRA	MASTERS IN BUSINESS ADMINISTRATI	FULL TIME	Madurai Kamaraj University,	60	60	NA	NA	NA

Application Number: 1-3325107362
Note: This is a Computer generated Report.No signature is required.

Letter Printed On:18 April 2017

Printed By : AE12823251

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI,
MADURAI,MADURAI,
Tamil Nadu,625010

6. **Guard File(AICTE)**

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

		DUATE	ON		Madurai					
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Madurai Kamraj University, Madurai	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that FATIMA COLLEGE (AUTONOMOUS) shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
   Tamil Nadu
3. **The Registrar,**
   Madurai Kamraj University, Madurai
4. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   MARYLAND
   NEW VILANGUDI POST
   MADURAI - 625018
   TAMILNADU
   INDIA,
   MADURAI,MADURAI,
   Tamil Nadu,625018
5. **The Secretary / Chairman,**
   ST.JOSEPH'S SOCIETY OF MADURAI.
   ASSUMPTION HOUSE,

Application Number: 1-2811516464
Note: This is a Computer generated Report.No signature is required.

Page **2** of **3**
Letter Printed On:26 April 2016

Printed By : ae12823251

Tamilnadu
India,
Madurai,Madurai,
Tamil Nadu,625018

4. **The Secretary / Chairman,**
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI
MADURAI,MADURAI
Tamil Nadu,625010

5. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu

6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23

3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.

4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI).
In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of Indian CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Tamil Nadu**

2. **The Registrar**,**
   Madurai Kamaraj University, Madurai

3. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   Maryland
   New Vilangudi Post
   Madurai - 625018

All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2022-23

Extension of Approval (EoA)

F.No. Southern/1-10970517932/2022/EOA Date: 03-Jul-2022

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2022-23

Ref. Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-28199721	**Application Id**	1-10970517932
Name of the Institution	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST.JOSEPH'S SOCIETY OF MADURAI.
Institution Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institution Type	Private-Self Financing	**Region**	Southern
Year of Establishment	1996		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
POST GRADUATE	MCA	MASTERS IN COMPUTER APPLICATIONS	Madurai Kamaraj University, Madurai	60	60	NA	NA
POST GRADUATE	MANAGEMENT	MBA	Madurai Kamaraj University, Madurai	90	90	NA	NA

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.

3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.

4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy ** to:

1. **The Director of Technical Education**, Tamil Nadu**

2. **The Registrar**,**
   Madurai Kamaraj University, Madurai

3. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   Maryland
   New Vilangudi Post
   Madurai - 625018
   Tamilnadu
   India,
   Madurai,Madurai,
   Tamil Nadu,625018

4. **The Secretary / Chairman,**
   ASSUMPTION HOUSE,
   73, BYE PASS ROAD,
   ELLIS NAGAR POST
   MADURAI
   MADURAI,MADURAI
   Tamil Nadu,625010

5. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

6. **Guard File(AICTE)**

All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Southern/1-9320910628/2021/EOA

Date: 25-Jun-2021

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-28199721	**Application Id**	1-9320910628
Name of the Institution /University	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST.JOSEPH'S SOCIETY OF MADURAI.
Institution /University Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institution /University Type	Private-Self Financing	**Region**	Southern

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
MCA	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	Madurai Kamaraj University, Madurai	60	60	NA	NA
MANAGEMENT	POST GRADUATE	MBA	Madurai Kamaraj University, Madurai	90	90	NA	NA

6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE.

3. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

4. Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Tamil Nadu**

2. **The Registrar**,**
   Madurai Kamaraj University, Madurai

3. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   Maryland
   New Vilangudi Post
   Madurai - 625018
   Tamilnadu
   India,
   Madurai,Madurai,
   Tamil Nadu,625018

4. **The Secretary / Chairman,**
   ASSUMPTION HOUSE,
   73, BYE PASS ROAD,
   ELLIS NAGAR POST
   MADURAI
   MADURAI,MADURAI
   Tamil Nadu,625010

5. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2020-21

Extension of Approval (EoA)

F.No. Southern/1-7006372467/2020/EOA

Date: 09-Jun-2020

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2020-21

Ref: Application of the Institution for Extension of Approval for the Academic Year 2020-21

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2020 notified by the Council vide notification number F.No. AB/AICTE/REG/2020 dated 4th February 2020 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-28199721	**Application Id**	1-7006372467
Name of the Institution	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST JOSEPH'S SOCIETY OF MADURAI.
Institution Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institution Type	Private-Self Financing	**Region**	Southern

To conduct following Courses with the Intake indicated below for the Academic Year 2020-21

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2019-20	Intake Approved for 2020-21	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
MCA	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	Madurai Kamaraj University, Madurai	60	60	NA	NA
MANAGEMENT	POST GRADUATE	MBA	Madurai Kamaraj University, Madurai	60	90	NA	NA

All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2023-24

Extension of Approval (EoA)

F.No. Southern/1-36473190759/2023/EOA

Date: 15-May-2023

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2023-24

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2023-24

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) Regulations, 2020 notified on 4th February 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-28199721	**Application Id**	1-36473190759
Name of the Institution	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST.JOSEPH'S SOCIETY OF MADURAI
Institution Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institution Type	Private-Self Financing	**Region**	Southern
Year of Establishment	1996		

To conduct following Courses with the Intake indicated below for the Academic Year 2023-24

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
POST GRADUATE	COMPUTER APPLICATIONS	MASTERS IN COMPUTER APPLICATIONS	Madurai Kamaraj University, Madurai	60	60	No	No
POST GRADUATE	MANAGEMENT	MBA	Madurai Kamaraj University, Madurai	90	90	No	No

It is mandatory to comply with all the essential requirements as given in APH 2023-24 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC(NCL) / General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2023-24 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.

3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Committee (IC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.

4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

5. As per the AICTE Notification dated 29.01.2014 and amended thereto, it shall be mandatory for each Technical Education Institution, University Department and Institution Deemed to be University imparting Technical Education to get accreditation (NBA) for at least 60% of the eligible courses in the next ONE (1) Years' time, otherwise EoA for the subsequent Academic Year (A.Y. 2024-25) shall not be issued by the Council.

6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Tamil Nadu**

2. **The Registrar**,**
   Madurai Kamaraj University, Madurai

3. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   Maryland
   New Vilangudi Post
   Madurai - 625018
   Tamilnadu
   India,
   Madurai,Madurai,
   Tamil Nadu,625018

4. **The Secretary / Chairman,**
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI
MADURAI,MADURAI
Tamil Nadu,625010

5. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions(bulk) may be downloaded from the respective login id's.

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All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2024-25

Extension of Approval (EoA)

F.No. Southern/1-43663807368/2024/EOA

Date of Approval: 08-May-2024

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2024-25

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2024-25

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education), Powers delegated in AICTE ACT 1987, (No 52 of 1987) chapter II - u/s 2(g) to regulate Technical and subsequent Regulations of AICTE, I am directed to convey the approval to:

Permanent Id	1-28199721	**Application Id**	1-43663807368
Name of the Institution	FATIMA COLLEGE (AUTONOMOUS)	**Name of the Society/Trust**	ST.JOSEPH'S SOCIETY OF MADURAI
Institution Address	MARYLAND NEW VILANGUDI POST MADURAI - 625018 TAMILNADU INDIA, MADURAI, MADURAI, Tamil Nadu, 625018	**Society/Trust Address**	ASSUMPTION HOUSE, 73, BYE PASS ROAD, ELLIS NAGAR POST MADURAI,MADURAI,MADURAI,Tamil Nadu,625010
Institution Type	Private-Self Financing	**Region**	Southern
Year of Establishment	1996		

To conduct following Programs/Courses with the Intake indicated below for the Academic Year 2024-25

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2023-24	Intake Approved for 2024-25	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
POST GRADUATE	COMPUTER APPLICATIONS	MASTERS IN COMPUTER APPLICATIONS	Madurai Kamaraj University, Madurai	60	60	No	No
POST GRADUATE	MANAGEMENT	MBA	Madurai Kamaraj University, Madurai	90	90	No	No

All AICTE approved Institutions are empowered to nurture ecosystems for Skilling (through Vocational courses) via making effective use of existing infrastructure facilities and human resources.

It is mandatory to comply with all the essential requirements as given in APH 2024-25 to 2027 (Chapter-VI)

Important Instructions

1. As per mandatory Disclosure of APH 2024-27(Annexure-18, page180) Institutions must disclose the following information submitted to Council at the Prominent location on its website.
   i. Department wise availability of Infrastructure along with approved courses and intake approved by the Council.
   ii. Faculty details: Department wise: Name& Designation of the faculty members/teaching staff along with their qualification, tenure of service in your organization, total experience, Institution should also disclose Student Faculty Ratio, Cadre Ratio.
   iii. Additionally Audited Financial Statements for last 3 Financial years.
2. Reservation Policy of the Central Government (Including EWS) / Respective State Government/ UT as the case shall be applicable to all the Programmes. The concerned State Government/ UT Admission authority shall decide Modalities of Admission.
3. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2024-25 to 2027 for the Total Approved Intake.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the **Executive Council / General Council as available on the record of AICTE shall be final and binding.**
5. All AICTE institutions are highly encouraged to get NBA/NAAC accreditation. All eligible AICTE institutions are thoroughly encouraged to participate in NIRF ranking process.
6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.
7. AICTE Approved Institutes are encouraged to utilize SWAYAM PLUS Courses up-to 40%
8. Internship is mandatory for all admitted students.
9. AICTE Approved Institutes are encouraged to make efficient use of the flagship schemes like:
   a. Parakh: Student Gap analysis portal bases services.
   b. Students Scholarship schemes like Pragati, Saksham, Swanath, ADF, etc.
   c. Course in Indian Languages.
   d. ATAL FDPs: Faculty training for Emerging areas and cutting edge Technologies.
   e. Augmenting Utilization of Research Assets (AURA).
   f. Smart India Hackathon: World's largest Open Innovation Platform.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Tamil Nadu**
2. **The Registrar**,**
   Madurai Kamaraj University, Madurai
3. **The Principal / Director,**
   FATIMA COLLEGE (AUTONOMOUS)
   Maryland

New Vilangudi Post
Madurai - 625018
Tamilnadu
India,
Madurai,Madurai,
Tamil Nadu,625018

4. **The Secretary / Chairman,**
ASSUMPTION HOUSE,
73, BYE PASS ROAD,
ELLIS NAGAR POST
MADURAI
MADURAI,MADURAI
Tamil Nadu,625010

5. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions (bulk) may be downloaded from the respective login id's.

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