FATIMA COLLEGE (AUTONOMOUS)



Re-Accredited with "A++" Grade by NAAC (IVth Cycle) Maryland, Madurai- 625 018, Tamil Nadu, India.

NAME OF THE DEPARTMENT : COMMERCE IN COMPUTER

APPLICATION

: PG IN COMMERECE IN

NAME OF THE PROGRAMME

COMPUTER APPLICATIONS

Administration

PROGRAMME CODE : PSCC

ACADEMIC YEAR : 2023-24

1.2.1 New Courses Introduced PSCC Department of Commerce with CA

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Minutes of Meeting	ay Board of Studies
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Members Present	harry La
1. Dr. M. Arasammal	- Head Met the Department
2.Dr. A. Pani,	- University Nominee.
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3. Dr. M. Parven,	- Subject Expert
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FATIMA COLLEGE (AUTONOMOUS), MADURAI-18 DEPARTMENT OF COMMERCE WITH CA

For those who joined in June 2019 onwards

PROGRAMME CODE: PSCC

COURSE CODE	COURSE TITLE	CREDIT	HRS / WK	CIA Mks	ESE Mks	TOT. MKs
	SEMESTI	ER – I				
23PG1K1	Business Finance	5	6	40	60	100
23PG1K2	Digital Marketing	5	6	40	60	100
23PG1K3	Banking and Insurance	4	6	40	60	100
23PG1KE1 or	Elective I A - Introduction to Industry 4.0(or)	3	5	40	60	100
23PG1KE2	I B - Big Data Analytics					100
23PG1KE3 or	Elective II A–Enterprise Resource Planning (or)	3	5	40	60	100
23PG1KE4	II B - Database Management System					
23PG1KAE	EDC - Electronic Banking	1	2	40	60	100
Total		21	30			
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23PG2K4	Core IV - Strategic Cost Management	5	6	40	60	100
23PG2K5	Core V - Corporate Accounting	5	6	40	60	100

COURSE CODE	COURSE TITLE	CREDIT	HRS / WK	CIA Mks	ESE Mks	TOT. MKs
23PG2K6	Core VI - Setting up of Business Entities	4	6	40	60	100
23PG2KE5 or 23PG2KE6	Elective III A - Data Minin and Data Interpretation (or) III B - Technology in Banking	3	4	40	60	100
23PG2KE7 or 23PG2KE8	Elective IV A - Financial Analytics (Practical) (or) IV B - Management Information System	3	4	40	60	100
23PG2KAE	EDC-Financial Accounting & Tally	2	4	40	60	100
Total		22	30			

I M.Com CA SEMESTER –I For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG1K1	BUSINESS FINANCE	Theory & Problem	6	5

COURSE DESCRIPTION

This course emphasises on the major decisions made by the financial executive of an organization like capital structure strategies, ideal cost of capital, optimal cash management and effective dividend policies.

COURSE OBJECTIVES

- 1 To outline the fundamental concepts in finance
- 2 To estimate and evaluate risk in investment proposals
- 3 To evaluate leasing as a source of finance and determine the sources of startup financing
- 4 To examine cash and inventory management techniques
- 5 To appraise capital budgeting techniques for MNCs

Units

UNIT -I INTRODUCTION TO BUSINESS FINANCE AND TIME VALUE OF MONEY (18 HRS.)

Business Finance: Meaning, Objectives, Scope -Time Value of money: Meaning, Causes - Compounding - Discounting - Sinking Fund Deposit Factor - Capital Recovery Factor - Multiple Compounding- Effective rate of interest - Doubling period (Rule of 69 and Rule of 72) - Practical problems.

UNIT -II RISK MANAGEMENT (18 HRS.)

Risk and Uncertainty: Meaning – Sources of Risk – Measures of Risk – Measurement of Return – General pattern of Risk and Return – Criteria for

evaluating proposals to minimise Risk (Single Asset and Portfolio) – Methods of Risk Management – Hedging currency risk.

UNIT -III STARTUP FINANCINGAND LEASING (18 HRS.)

Startup Financing: Meaning, Sources, Modes (Bootstrapping, Angel investors, Venture capital fund) - Leasing: Meaning - Types of Lease Agreements - Advantages and Disadvantages of Leasing - Financial evaluation from the perspective of Lessor and Lessee.

UNIT - CASH, RECEIVABLE AND INVENTORY MANAGEMENT (18 HRS.)

Cash Management: Meaning, Objectives and Importance – Cash Cycle – Minimum Operating Cash – Safety level of cash – Optimum cash balance - Receivable Management: Meaning – Credit policy – Controlling receivables: Debt collection period, Ageing schedule, Factoring – Evaluating investment in accounts receivable - Inventory Management: Meaning and Objectives – EOQ with price breaks – ABC Analysis.

UNIT -V MULTI NATIONAL CAPITAL BUDGETING (18HRS.)

Multi National Capital Budgeting: Meaning, Steps involved, Complexities, Factors to be considered – International sources of finance – Techniques to evaluate multi-national capital expenditure proposals: Discounted Pay Back Period, NPV, Profitability Index, Net Profitability Index and Internal Rate of Return – Capital rationing -Techniques of Risk analysis in Capital Budgeting.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Dividend Decision - Factors affecting Dividend Decision(Self Study) - Walter's model, Gordon's model, MM Hypothesis.

TEXT BOOK:

- 1. Maheshwari S.N., (2019), "Financial Management Principles and Practices", 15th Edition, Sultan Chand &Sons, New Delhi.
- 2. Khan M.Y &Jain P.K, (2011), "Financial Management: Text, Problems and Cases", 8th Edition, McGraw Hill Education, New Delhi.
- 3. Prasanna Chandra, (2019), "Financial Management, Theory and Practice", 10th Edition, McGraw Hill Education, New Delhi.
- 4. Apte P.G, (2020), "International Financial Management" 8th Edition, Tata McGraw Hill, New Delhi.

REFERENCES

- 1. Pandey I. M., (2021), "Financial Management", 12th Edition, Pearson India Education Services Pvt. Ltd, Noida.
- 2. KulkarniP. V. &Satyaprasad B. G., (2015), "Financial Management", 14thEdition, Himalaya Publishing House Pvt Ltd, Mumbai.
- 3. Rustagi R. P., (2022), "Financial Management, Theory, Concept, Problems", 6th Edition, Taxmann Publications Pvt. Ltd, New Delhi.
- 4. ArokiamaryGeetha Rufus, Ramani N. & Others, (2017), "Financial Management", 1st Edition, Himalaya Publishing House Pvt Ltd, Mumbai.

Digital Open Educational Resources (DOER):

- 1. https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=0CAIQw7AJahcKEwjo
- 2. https://www.bankrate.com/investing/time-value-of-money

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids								
	UNIT -1 INTRODUCTION TO FINANCIAL MANAGEMENT											
1.1	Business Finance: Meaning, Objectives, Scope (Self Study)	1	Lecture	PPT & White board								
1.2	Time Value of money: Meaning, Causes	1	Lecture	White board								
1.3	Compounding	2	Chalk & Talk	Black Board								
1.4	Discounting – Sinking Fund Deposit Factor – Capital Recovery Factor	3	Chalk & Talk	Black Board								
1.5	Multiple Compounding– Effective rate of interest – Doubling period (Rule of 69 and Rule of 72) – Practical problems.	3	Chalk & Talk	Black Board								
UNIT -2	Risk Management											
2.1	Risk and Uncertainty: Meaning	2	Lecture	Green Board Charts								
2.2	Sources of Risk	2	Chalk & Talk	Black Board								

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
2.3	Measures of Risk	3	Chalk & Talk	Black Board
2.4	Measurement of Return	2	Chalk & Talk	Black Board
2.5	General pattern of Risk and Return	2	Lecture	Green Board Charts
2.6	Criteria for evaluating proposals to minimise Risk (Single Asset and Portfolio)	3	Lecture	Green Board Charts
2.7	Methods of Risk Management	2	Lecture	Green Board Charts
2.8	Hedging currency risk	2	Chalk & Talk	Black Board
UNIT -3	StartupFinancingand Leasing			
3.1	Startup Financing: Meaning, Sources	2	Lecture	Green Board Charts
3.2	Modes (Bootstrapping, Angel investors, Venture capital fund)	3	Chalk & Talk	Black Board
3.3	Leasing: Meaning – Types of Lease Agreements	2	Chalk & Talk	Black Board
3.4	Lease Agreements	2	Chalk & Talk	Black Board
3.5	Advantages and Disadvantages of Leasing	2	Chalk &Talk	Black Board
3.6	Financial evaluation from the perspective of Lessor and Lessee.	3	Chalk &Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids							
UNIT -4	UNIT -4 Cash, Receivable and Inventory Management										
4.1	Cash Management: Meaning, Objectives	2	Lecture	Green Board Charts							
4.2	Importance	2	Chalk & Talk	Black Board							
4.3	Cash Cycle – Minimum Operating Cash	2	Chalk & Talk	Black Board							
4.4	Safety level of cash – Optimum cash balance	3	Chalk & Talk	Black Board							
4.5	Receivable Management: Meaning – Credit policy	2	Chalk & Talk	Black Board							
4.6	Controlling receivables: Debt collection period, Ageing schedule	3	Chalk & Talk	Black Board							
4.7	Factoring – Evaluating investment in accounts receivable	2	Chalk & Talk	Black Board							
4.8	Inventory Management: Meaning and Objectives	2	Chalk & Talk	Black Board							
4.9	EOQ with price breaks – ABC Analysis.	2	Chalk & Talk	Black Board							
τ	JNIT -5 Multi National Capital	Budgeting									
5.1	Multi National Capital Budgeting: Meaning, Steps involved	2	Lecture	Green Board							
5.2	Complexities	2	Chalk & Talk	Black Board							

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
5.3	Factors to be considered – International sources of finance	2	Chalk & Talk	Black Board
5.4	Techniques to evaluate multinational capital expenditure proposals: Discounted Pay Back Period		Chalk & Talk	Black Board
5.5	NPV, Profitability Index	3	Chalk & Talk	Black Board
5.6	Net Profitability Index	3	Chalk & Talk	Black Board
5.7	Internal Rate of Return	2	Chalk & Talk	Black Board
5.8	Capital rationing -Techniques of Risk analysis in Capital Budgeting.	2	Chalk & Talk	Black Board
	UNIT -VI DYNAMISM			
6.1	Dividend Decision - Factors affecting Dividend Decision(Self Study) - Walter's model, Gordon's model, MM Hypothesis.	2	Seminar	PPT

	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	0/ -
Levels	Seminar	Better of W1, W2	M1+M2	MID- SEM TEST				% 0 Assess nt
	5 Mks.	5Mks.	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks.	
K2	5	-	-	2 ½	-		-	-

К3	-	5	4	2 ½	5		5	12.5
K4	-	-	3	5	12		12	30 9
K5	-	-	3	5	9		9	22.5
Non Scholastic	-	-	-	-	9		9	22.5
Total	5	5	10	15	35	5	40	100 (

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

SCHOLASTIC			NON - SCHOLASTIC		MARK	S		
C1	C2	С3	C4	C5	C6	CIA	CIA ESE	
10	10	5	5	5	5	40	60	100

• PG CIA Components

			Nos		
C1	_	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	_	Seminar	1	-	5 Mks
C6	_	Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Explain important finance concepts
CO 2	Apply the measurement of leveragesto enhancethe earnings of company and to evaluate the capital structure theories.
со з	Compare the firm's performances by applying various cost of capital methods.
CO 4	Understand and acquire knowledge about Receivable management.
CO 5	Evaluate techniques of long term investment decision incorporating risk factor.

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06
CO1	3	3	1	3	3	3
CO2	3	3	2	3	3	3
CO3	2	2	1	2	2	2
CO4	3	2	3	2	3	3
CO5	3	2	3	2	3	3

Note: ♦ Strongly Correlated – 3 ♦ Moderately Correlated – 2

♦ Weakly Correlated -1

COURSE DESIGNER:

Dr.S.P.Savitha

Forwarded By

Dr.P.Sakunthala

P_salamthala

I M.Com CA SEMESTER -I

For those who joined in 2023 onwards

PROGI ME CO		COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSC	c	23PG1K2	DIGITAL MARKETING	THEORY	5	3

COURSE DESCRIPTION

This course emphasises on the emerging trend in Marketing, it also paves way to inculcate business decisions by gaining skills to market a product and learn the latest trends to help secure a job in top companies.

COURSE OBJECTIVES

- 1. To assess the evolution of digital marketing
- 2. To appraise the dimensions of online marketing mix
- 3. To infer the techniques of digital marketing
- 4. To analyse online consumer behaviour
- 5. To interpret data from social media and to evaluate game based marketing

UNITS

UNIT I INTRODUCTION TO DIGITAL MARKETING

(16 HRS)

Digital Marketing – Transition from traditional to digital marketing – Rise of internet – Growth of e-concepts – Growth of e-business to advanced e-commerce – Emergence of digital marketing as a tool – Digital marketing channels – Digital marketing applications, benefits and limitations – Factorsfor success of digital marketing – Emerging opportunities for digital marketing professionals. (Self Study).

UNIT II ONLINE MARKETING MIX

(18 HRS)

Online marketing mix – E-product – E-promotion – E-price – E-place – Consumer segmentation – Targeting – Positioning – Consumers and online shopping issues – Website characteristics affecting online purchase decisions – Distribution and implication on online marketing mix decisions. (Self Study).

UNIT III DIGITAL MEDIA CHANNELS

(18 HRS)

Digital media channels – Search engine marketing – ePR – Affiliate marketing – Interactive display advertising – Opt-in-email marketing and mobile text messaging, Invasive marketing – Campaign management using – Facebook, Twitter, Corporate Blogs(Self Study). – Advantages and disadvantages of digital media channels – Metaverse marketing.

UNIT IV ONLINE CONSUMER BEHAVIOUR

(18 HRS)

Online consumer behavior – Cultural implications of key website characteristics – Dynamics of online consumer visit – **Models of website visits – Web and consumer decision making process (Self Study)** – Data base marketing – Electronic consumer relationship management – Goals – Process – Benefits – Role – Next generation CRM.

UNIT V ANALYTICS AND GAMIFICATION

(18 HRS)

Digital Analytics – Concept – Measurement framework – Demystifying web data - Owned social metrics – Measurement metrics for Facebook, Twitter, YouTube, Slide Share, Pinterest, Instagram, Snapchat and LinkedIn – Earned social media metrics – Digital brand analysis – Meaning – Benefits – Components (Self Study) – Brand share dimensions – Brand audience

dimensions – Market influence analytics – Consumer generated media and opinion leaders – Peer review – Word of mouth – Influence analytics – Mining consumer generated media – Gamification and game based marketing – Benefits – Consumer motivation for playing online games.

UNIT VI DYNAMISM (Evaluation Pattern - CIA only)

Future of Marketing – New Innovation and Products.

TEXT BOOK:

- 1. Puneet Singh Bhatia, (2019) "Fundamentals of Digital Marketing", 2nd Edition, Pearson Education Pvt Ltd, Noida.
- 2. Dave Chaffey, Fiona Ellis-Chadwick, (2019) "Digital Marketing", Pearson Education Pvt Ltd, Noida.
- 3. Chuck Hemann& Ken Burbary, (2019) "Digital Marketing Analytics", Pearson Education Pvt Ltd, Noida.
- 4. Seema Gupta, (2022) "Digital Marketing" 3rd Edition, McGraw Hill Publications Noida.
- 5. Kailash Chandra Upadhyay, (2021) "Digital Marketing: Complete Digital Marketing Tutorial", Notion Press, Chennai.
- 6. Michael Branding, (2021) "Digital Marketing", Empire Publications India Private Ltd, New Delhi.

REFERENCE:

- 1. VandanaAhuja, (2016) "Digital Marketing", Oxford University Press. London.
- 2. Ryan Deiss& Russ Henneberry, (2017) "Digital Marketing", John Wiley and Sons Inc. Hoboken.
- 3. Alan Charlesworth, (2014), "Digital Marketing A Practical Approach", Routledge, London.

- 4. Simon Kingsnorth, Digital Marketing Strategy, (2022) "An Integrated approach to Online Marketing", Kogan Page Ltd. United Kingdom.
- 5. MaityMoutusy, (2022) "Digital Marketing" 2nd Edition, Oxford University Press, London.

Digital Open Educational Resources (DOER):

- 1. https://www.digitalmarketer.com/digital-marketing/assets/pdf/ultimate-guide-to-digital-marketing.pdf
- 2.https://uwaterloo.ca/centre-for-teaching-excellence/teaching-resources/teaching-tips/educational-technologies/all/gamification-and-game-based-learning
- 3. https://journals.ala.org/index.php/ltr/article/download/6143/7938

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
	UNIT -1 INTRODUCTION TO	DIGITAL M	ARKETING	
1.1	Digital Marketing – Transition from traditional to digital marketing – Rise of internet – Growth of e- concepts	4	Lecture	PPT & White board
1.2	Growth of e-business to advanced e- commerce – Emergence of digital marketing as a tool	4	Lecture	White board
1.3	Digital marketing channels – Digital marketing applications, benefits and limitations	4	Lecture	PPT & White board
1.4	Factors for success of digital marketing – Emerging opportunities for digital marketing professionals. (Self Study).	4	Lecture	PPT & White board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids						
UNIT -2 ONLINE MARKETING MIX										
2.1	Online marketing mix	2	Lecture	Green Board Charts						
2.2	E-product – E-promotion	2	Chalk & Talk	Black Board						
2.3	E-price – E-place	3	Chalk & Talk	Black Board						
2.4	Consumer segmentation – Targeting	3	Chalk & Talk	Black Board						
2.5	Positioning – Consumers and online shopping issues	3	Lecture	Green Board Charts						
2.6	Website characteristics affecting online purchase decisions (Self Study)	2	Lecture	Green Board Charts						
2.7	Distribution and implication on online marketing mix decisions. (Self Study).	3	Lecture	Green Board Charts						
	UNIT -3 DIGITAL ME	DIA CHANN	IELS							
3.1	Digital media channels	3	Lecture	Green Board Charts						
3.2	Search engine marketing – ePR	3	Chalk & Talk	Black Board						
3.3	Affiliate marketing – Interactive display advertising	3	Chalk & Talk	Black Board						
3.4	Opt-in-email marketing and mobile text messaging, Invasive marketing	3	Chalk & Talk	Black						

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
				Board
3.5	Campaign management using – Facebook, Twitter, Corporate Blogs(Self Study)	3	Chalk & Talk	Black Board
3.6	Advantages and disadvantages of digital media channels – Metaverse marketing	3	Chalk & Talk	Black Board
	UNIT -4 ONLINE CONSU	MER BEHA	VIOUR	
4.1	Online consumer behavior	2	Lecture	Green Board Charts
4.2	Cultural implications of key website characteristics	2	Chalk & Talk	Black Board
4.3	Dynamics of online consumer visit	2	Chalk & Talk	Black Board
4.4	Models of website visits (Self Study)	2	Chalk & Talk	Black Board
4.5	Web and consumer decision making process (Self Study)	2	Chalk & Talk	Black Board
4.6	Data base marketing	2	Chalk & Talk	Black Board
4.7	Electronic consumer relationship management	2	Chalk & Talk	Black Board
4.8	Goals – Process – Benefits	2	Chalk & Talk	Black Board
4.9	Role – Next generation CRM	2	Chalk & Talk	Black Board
	UNIT -5 ANALYTICS A	ND GAMIF	ICATION	

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
5.1	Digital Analytics – Concept – Measurement framework – Demystifying web data - Owned social metrics	2	Lecture	Green Board
5.2	Measurement metrics for Facebook, Twitter, YouTube, Slide Share, Pinterest, Instagram, Snapchat and LinkedIn – Earned social media metrics	4	Chalk & Talk	Black Board
5.3	Digital brand analysis – Meaning – Benefits – Components (Self Study)	4	Chalk & Talk	Black Board
5.4	Brand share dimensions – Brand audience dimensions – Market influence analytics – Consumer generated media and opinion leaders – Peer review – Word of mouth – Influence analytics	4	Chalk & Talk	Black Board
5.5	Mining consumer generated media – Gamification and game based marketing – Benefits – Consumer motivation for playing online games.	4	Chalk & Talk	Black Board
UNIT VI	DYNAMISM			
6.1	Future of Marketing – New Innovation and Products.		Chalk & Talk	Black Board

Levels C1 C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
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	Semina r 5 Mks.	Better of W1, W2 5Mks	M1+M 2 10 Mks	MID - SEM TES T 15 Mks	35 Mks.	5 Mks.	40Mks	% of Assessmen t
К2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
К5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA					
Scholastic	35				
Non Scholastic	5				
	40				

EVALUATION PATTERN

	SCHOLASTIC				NON - SCHOLASTIC		MARK	(S
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

Nos

C1 - Test (CIA 1) 1 - 10 Mks

C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	-	Seminar	1	-	5 Mks
C6	_	Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Explain the dynamics of digital marketing
CO 2	Examine online marketing mix
со з	Compare digital media channels
CO 4	Interpret online consumer behaviour
CO 5	Analyse social media data

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	PO6
CO1	3	3	2	3	3	3
CO2	3	3	2	3	3	3
соз	3	3	2	2	3	2
CO4	3	3	2	2	3	3
CO5	3	3	1	3	3	2

Note: ♦ Strongly Correlated – **3**

♦ Moderately Correlated – 2

♦ Weakly Correlated -1

COURSE DESIGNER:

Ms.M.Fanny

Forwarded By

P_snowthala

Dr.P.Sakunthala

HOD'S Signature& Name

I M.Com CA SEMESTER -I

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGOR Y	HRS/WE EK	CREDITS
PSCC	23PG1K3	BANKING AND INSURANCE	Theory	6	4

COURSE DESCRIPTION

This course aims to equip student a broad understanding of banking and insurance, with current developments in the banking industry with respect to the application of practical knowledge about latest terminology about banking and insurance.

COURSE OBJECTIVES

Provide students with a clear understanding of the concept of banking and insurance

UNIT -I INTRODUCTION TO BANKING

[18 HRS]

Banking: Brief History of Banking - Rapid Transformation in Banking: Customer Shift - Fintech Overview - Fintech Outlook The Financial Disruptors Digital Financial Revolution - New Era of Banking. Digital Banking - Electronic Payment Systems - Electronic Fund Transfer System - Electronic Credit and Debit Clearing - NEFT - RTGS - VSAT - SFMS - SWIFT.

UNIT – II CONTEMPORARY DEVELOPMENTS IN BANKING [18 HRS]

Distributed Ledger Technology – Blockchain: Meaning - Structure of BlockChain - Types of Block Chain - Differences between DLT and Blockchain - Benefits of Blockchain and DLT-Unlocking the potential of Blockchain – Crypto currencies, Central Bank Digital Currency (CBDC) - Role of DLT in financial services - AI in Banking: Future of AI in Banking - Applications of AI in Banking - Importance of AI in banking - Banking reimagined with AI.Cloud banking - Meaning - Benefits in switching to Cloud Banking.

UNIT III INDIAN INSURANCE MARKET HRS]

History of Insurance in India – Definition and Functions of Insurance – Insurance Contract – Indian Insurance Market – Reforms in Insurance Sector – Insurance Organisation – Insurance organisation structure. Insurance Intermediaries: Insurance Broker – Insurance Agent - Surveyors and Loss Assessors - Third Party Administrators (Health Services) – Procedures - Code of Conduct.

UNIT IV CUSTOMER SERVICES IN INSURANCE [18 HRS]

Customer Service in Insurance – Quality of Service - Role of Insurance Agents in Customer Service-Agent's Communication and Customer Service – Ethical Behaviour in Insurance – Grievance Redressal System in Insurance Sector–Integrated Grievance Management System- Insurance Ombudsman - Insurance Regulatory and Development Authority of India Act (IRDA)–Regulations and Guidelines.

UNIT VRISK MANAGEMENT

[18 HRS]

[18

Risk Management and Control in banking and insurance industries – Methods of Risk Management – Risk Management by Individuals and Corporations – Tools for Controlling Risk.

UNIT VI - DYNAMISM

E-Banking Trends in India: Evolution, Challenges And Opportunities

REFERENCES:

TEXT BOOKS

- 1. Indian Institute of Banking and Finance (2021), "Principles & Practices of Banking", 5th Edition, Macmillan Education India Pvt. Ltd, Noida, Uttar Pradesh.
- 2. Mishra M N & Mishra S B, (2016), "Insurance Principles and Practice", 22nd Edition, S. Chand and Company Ltd, Noida, Uttar Pradesh.
- 3. Emmett, Vaughan, Therese Vaughan M., (2013), "Fundamentals of Risk and Insurance", 11th Edition, Wiley & Sons, New Jersey, USA.
- 4. Theo Lynn , John G. Mooney, PierangeloRosati, Mark Cummins (2018), Disrupting Finance: FinTech and Strategy in the 21st Century (Palgrave Studies in Digital Business & Enabling Technologies), Macmillan Publishers, NewYork (US)

Digital Open Educational Resources (DOER):

- 1. http://www.shanlaxjournals.in/pdf/MGT/V3N2/MGT_V3_N2_011.pdf
- 2. http://lawtimesjournal.in/e-banking-and-recent-trends-in-india/

Digital Open Educational Resources (DOER):

- 1. http://www.shanlaxjournals.in/pdf/MGT/V3N2/MGT_V3_N2_011.pdf
- 2. http://lawtimesjournal.in/e-banking-and-recent-trends-in-india/
 - 3. COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids				
UNIT -1 INTRODUCTION TO BANKING								
1.1	Brief History of Banking - Rapid Transformation in Banking: Customer Shift Disruptors - Digital Financial Revolution	6	Chalk & Talk	Black Board				
1.2	Fintech Overview - Fintech Outlook - New Era of Banking.Digital Banking - Electronic Payment Systems	6	Lecture	Black Board				
1.3	Electronic Fund Transfer System – Electronic Credit and Debit Clearing – NEFT – RTGS –VSAT–SFMS–SWIFT.	6	Lecture	PPT				
UNIT -								
2.1	Distributed Ledger Technology - Blockchain: Meaning - Structure of BlockChain - Types of Block Chain - Differences between DLT and Blockchain	6	Chalk & Talk	Black Board				
2.2	Benefits of Blockchain and DLT – Crypto currencies, Central Bank Digital Currency (CBDC) - Role of DLT in financial services Unlocking the potential of Blockchain –	6	Chalk &Talk	Black Board				

2.3	AI in Banking: Future of AI in Banking - Applications of AI in Banking - Importance of AI in banking - Banking reimagined with AI. Cloud banking - Meaning - Benefits in switching to Cloud Banking.	6	Chalk & Talk	Black Board
3.1	History of Insurance in India – Definition and Functions of Insurance – Insurance Contract – Indian Insurance Market	6	Chalk & Talk	Black Board
3.2	Reforms in Insurance Sector - Insurance Intermediaries: Insurance Broker - Insurance AgentInsurance Organisation - Insurance organisation structure.	6	Chalk & Talk	Black Board
3.3	Surveyors and Loss Assessors - Third Party Administrators (Health Services) – Procedures - Code of Conduct.	6	Chalk & Talk	Black Board
1				

4.1	Customer Service in Insurance - Quality of Service - Role of Insurance Agents in Customer Service-Agent's Communication and Customer Service	6	Chalk & Talk	Black Board
4.3	Grievance Redressal System in Insurance Sector –Insurance Ombudsman Integrated Grievance Management System	6	Chalk & Talk	Black Board
4.4	Insurance Regulatory and Development Authority of India Act (IRDA)– Regulations and Guidelines.	6	Chalk & Talk	Black Board
	UNIT -5 RISK MANAGE	CMENT		
5.1	Risk Management and Control in banking and insurance industries –	6	Lecture	PPT
5.2	Methods of Risk Management – Risk Management by Individuals and Corporations	6	Lecture	PPT
5.3	Tools for Controlling Risk.	6	Lecture	PPT
	UNIT -6 DYI	NAMISM		
6.1	E-Banking Trends In India: Evolution, Challenges And Opportunities	2	Discussion	Black Board

	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	
Levels	Seminar	Better of W1, W2	M1+M2	MID- SEM TEST				% of Assessm
	5 Mks.	5Mks.	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks.	
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5
K4	-	-	3	5	12		12	30 %
К5	-	-	3	5	9		9	22.5%
Non Scholastic	-	-	-	-	9		9	22.5 °
Total	5	5	10	15	35	5	40	100 %

CIA						
Scholastic	35					
Non Scholastic	5					
	40					

EVALUATION PATTERN

SCHOLASTIC			NON - SCHOLASTIC		MARK	(S		
C1	C2	С3	C4	C5	C6	CIA	CIA ESE	
10	10	5	5	5	5	40	60	100

• PG CIA Components

C1	-	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C 5	_	Seminar	1	_	5 Mks
C6	-	Attendance		-	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Relate the transformation in banking from traditional to new age
CO 2	Apply modern techniques of digital banking
CO 3	Evaluate the role of insurance sector.
CO 4	Examine the regulatory mechanism
CO 5	Assess risk mitigation strategies

Mapping of COs with PSOs

CO/ PSO	PSO 1	PSO	PSO	PSO	PSO	PSO
00, 150	PSO 1	2	3	4	5	6
CO1	3	2	2	3	2	2
CO2	3	3	2	3	2	2
CO3	3	3	3	3	2	2
CO4	3	3	2	3	2	2
CO5	3	3	2	3	2	2
Weightage of						
course						
contributed	15	14	11	15	10	10
to each PSO						

Note: ♦ Strongly Correlated – **3**

♦ModeratelyCorrelated – 2

♦WeaklyCorrelated -1

COURSE DESIGNER:

C.JoselynNithya

Forwarded By Dr.P.Sakunthala

P_salamthala

HOD'S Signature& Name

I M.Com CA

SEMESTER -I

ELECTIVE -I A

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
		INTRODUCTION	Theory		
PSCC	23PG1KE1	TO INDUSTRY	•	5	3
		4.0			

COURSE DESCRIPTION

To introduce the concept of INDUSTRY 4.0 and enhance the knowledge in applications of big data and IoT for industrial growth and development.

COURSE OBJECTIVES

- 1. To enable the students to comprehend the change from industry 1.0 to 4.0
- 2. To gain knowledge on the challenges and future prospects of applying artificial intelligence
- 3. To learn the applications of big data for industrial growth and development
- 4. To understand the applications of IoT in various sectors
- 5. To understand why education has to be aligned with industry 4.0

UNIT: I INTRODUCTION

(12 HRS)

Industry: Meaning, Types - Industrial Revolution: Industrial Revolution 1.0 to 4.0: Meaning, Goals and Design Principles - Technologies of Industry 4.0 - Big Data - Artificial Intelligence (AI) - Industrial Internet of Things - Cyber Security - Cloud - Augmented Reality.

UNIT II ARTIFICIAL INTELLIGENCE

(12

HRS)

Artificial Intelligence (AI): Need, History and Foundations -The AI - environment - Societal Influences of AI - Application Domains and Tools - Associated Technologies of AI - Future prospects of AI - Challenges of AI.

UNIT III BIG DATA (12 HRS)

Evolution - Data Evolution - Data: Terminologies - Essential of Big Data in Industry 4.0 - Big Data Merits and Limitations - Big Data Components: Big Data Characteristics - Big Data Processing Frameworks - Big Data Tools - Big Data Applications - Big Data Domain Stack: Big Data in Data Science - Big Data in IoT - Big Data in Machine Learning - Big Data in Databases - Big Data Usecases: Big Data in Social Causes - Big Data for Industry - Big Data Roles - Learning Platforms; Internet of Things (IoT): Introduction to IoT - Architecture of IoT Technologies for IoT - Developing IoT Applications - Applications of IoT - Security in IoT.

UNIT IV APPLICATIONS OF IOT

(12 HRS)

IoT in Manufacturing – Healthcare – Education – Aerospace and Defence – Agriculture – Transportation and Logistics – Impact of Industry 4.0 on Society: Impact on Business, Government, People - Tools for Artificial Intelligence - Big Data and Data Analytics - Virtual Reality - Augmented Reality – IoT - Robotics.

UNIT V INDUSTRY 4.0

(12 HRS)

Education 4.0 – Curriculum 4.0 – Faculty 4.0 – Skills required for Future - Tools for Education – Artificial Intelligence Jobs in 2030 – Jobs 2030 - Framework for aligning Education with Industry 4.0.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

The industrial internet of things (IIoT) - Cyber-physical systems (CPS) - Smart manufacture - Smart factories - Cloud computing - Cognitive computing - Artificial intelligence.

TEXT BOOK:

- 1. SeemaAcharya J, SubhashiniChellappan, (2019) "Big Data and Analytics", 2nd Edition, WileyPublication,NewDelhi.
- 2. Russel S, Norvig P (2010), "Artificial Intelligence: A Modern approach", 3rdEdition, PrenticeHall,NewYork.
- 3. Pethuru Raj and Anupama C. Raman, (2017), "The Internet of Things: Enabling Technologies, Platforms, and UseCases", Auerbach Publications

REFERENCES:

- 1. Judith Hurwitz, Alan Nugent, Fern Halper, Marcia Kaufman, "Big Data for Dummies", JohnWiley&Sons,Inc.
- 2.Nilsson(2000), ArtificialIntelligence: Anewsynthesis, Nils J Harcourt AsiaPTE Ltd.

Digital Open Educational Resources (DOER):

- 1.https://sist.sathyabama.ac.in/sist_coursematerial/uploads/SEEA1403.pdf
- 2.https://library.oapen.org/bitstream/handle/20.500.12657/43836/extern al_content.pdf? sequence=1
- 3. https://www.vssut.ac.in/lecture_notes/lecture1428643004.pdf

COURSE CONTENTS & LECTURE SCHEDULE

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids					
UNIT -1 Introduction									
1.1	Meaning, Types	1	Chalk & Talk	Black Board					
1.2	Industrial Revolution 1.0 to 4.0	1	Lecture	PPT					
1.3	Goals and Design Principles	1	Chalk & Talk	Black Board					
1.4	Technologies of Industry 4.0	1	Chalk & Talk	Black Board					
1.5	Big Data	1	Chalk & Talk	Black Board					
1.6	Artificial Intelligence (AI)	1	Chalk & Talk	Black Board					
1.7	Industrial Internet of Things	1	Chalk & Talk	Black Board					
1.8	Cyber Security	1	Chalk & Talk	Black Board					
1.9	Cloud	1	Chalk & Talk	Black Board					
1.10	Augmented Reality.	1	Chalk & Talk	Black Board					
	UNIT -2 Artificial I	ntelligence							
2.1	Artificial Intelligence (AI), Need, History and Foundations	2	Chalk & Talk	Black Board					
2.2	The AI – environment	2	Chalk & Talk	Black Board					
2.3	Societal Influences of AI	2	Chalk & Talk	Black Board					
2.4	Application Domains and Tools	2	Lecture	PPT					
2.5	Associated Technologies of AI	2	Lecture	PPT					

2.6	Future prospects of AI – Challenges of AI.	2	Lecture	PPT
	UNIT -3 Big	Data		
3.1	Evolution - Data Evolution - Data : Terminologies	1	Lecture	PPT
3.2	Essential of Big Data in Industry 4.0	2	Chalk & Talk	Black Board
3.3	Big Data Merits and Limitations - Big Data Components	1	Chalk & Talk	Black Board
3.4	Big Data Characteristics - Big Data Processing Frameworks	2	Lecture	PPT
3.5	Big Data Tools - Big Data Applications - Big Data Domain Stack : Big Data in Data Science	2	Lecture	PPT
3.6	Big Data in IoT - Big Data in Machine Learning - Big Data in Databases - Big Data Usecases: Big Data in Social Causes - Big Data for Industry -Big Data Roles - Learning Platforms;	2	Lecture	PPT
3.7	Introduction to IoT – Architecture of IoT Technologies for IoT	2	Chalk & Talk	Black Board
3.8	Developing IoT Applications - Applications of IoT - Security in IoT.	2	Lecture	PPT
	UNIT -4 Application	ons of IoT		
4.1	IoT in Manufacturing – Healthcare – Education	1	Chalk & Talk	Black Board
4.2	Aerospace and Defence – Agriculture	1	Chalk & Talk	Black Board
4.3	Transportation and Logistics	1	Chalk & Talk	Black Board
4.4	Impact of Industry 4.0 on Society	1	Lecture	PPT

4.5	Impact on Business, Government,	1	Chalk & Talk	Black Board
4.6	Tools for Artificial Intelligence	1	Chalk & Talk	Black Board
4.7	Big Data and Data Analytics -	1	Lecture	PPT
4.8	Virtual Reality	2	Lecture	PPT
4.9	Augmented Reality	2	Chalk & Talk	Black Board
4.10	IoT – Robotics	1	Chalk & Talk	Black Board
	UNIT -5 Indust	ry 4.0		
5.1	Education 4.0 – Curriculum 4.0	2	Chalk & Talk	Black Board
5.2	Faculty 4.0 – Skills required for Future	Lecture	PPT	
5.3	C Tools for Education opying, modifying and deleting tables	2	Chalk & Talk	Black Board
5.4	Tools for Education	2	Chalk & Talk	Black Board
5.5	Artificial Intelligence Jobs in 2030	2	Lecture	PPT
5.6	Jobs 2030	1	Lecture	PPT
5.7	Framework for aligning Education with Industry 4.0.	1	Chalk & Talk	Black Board
	UNIT -VI DYI	NAMISM		
6.1	The industrial internet of things (IIoT) - Cyber-physical systems (CPS)	2	Seminar	PPT
6.2	Smart manufacture - Smart factories - Cloud computing - Cognitive computing - Artificial intelligence	2	Seminar	PPT

	C1	C2	C3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
К2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

	sc	CHOLAS	TIC		NON - SCHOLASTIC	MARKS		
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			Nos		
C1	-	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	_	Seminar	1	_	5 Mks
C6	_	Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES									
CO 1	Discuss on the change from industry 1.0 to 4.0									
CO 2	Discover the challenges and future prospects of applying artificial intelligence									
CO 3	Apply big data for industrial growth and development									
CO 4	Apply IoT in various sectors like Manufacturing, Healthcare, Education, Aerospace and Défense									
CO 5	Appraise why education has to be aligned with industry 4.0									

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06	PO7
CO1	2	2	3	2	3	3	3
CO2	2	3	3	2	3	3	3
соз	2	3	3	2	3	3	3
CO4	2	3	3	2	3	3	3
CO5	2	3	3	2	3	3	3

Note: ♦ Strongly Correlated – 3

♦ Weakly Correlated -1

♦ Moderately Correlated – 2

COURSE DESIGNER: Mrs.N.Muthulakshmi Forwarded By

Dr.P.Sakunthala

P Salametha la

HOD'S Signature& Name

I M.Com CA

SEMESTER -I

ELECTIVE -I B

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG1KE2	BIG DATA ANALYTICS	Theory	5	3

COURSE DESCRIPTION

Big Data Analytics includes Introduction to Big Data, Big Data Analytics, The Big Data Technology, Introduction to Hadoop environment with HDFS.

COURSE OBJECTIVES

- 1. To understand the various aspects of data science and applying them in health care
- 2. To learn the applications of big data for industrial growth and development
- 3. To understand the characteristics of 5 V's
- 4. To know the big data problems
- 5. To understand the Hadoop

UNIT: I INTRODUCTION TO DATA SCIENCE

(12 HRS)

Introduction to data science – Case Studies – Data Science in Biomedicine and Healthcare – Sequence Processing – Medical Image Analysis – Natural Language Processing – Network Modelling and Probabilistic Modelling

UNIT II BIG DATA

(12

HRS)

Big data: Meaning – Importance of Big Data – Example of Big Data – Source of Big Data - Machine -Generated Data - Advantages – Big Data generated by people – Organization of Generated Data - Integrating the data.

UNIT III CHARACTERISTICS OF BIG DATA

(12

HRS)

Characteristics of big data volume – Variety – Velocity – Characteristics of Big Data – Veracity – Valence and Value – Getting value out of Big Data using 5-step process to structure your analysis.

UNIT IV DATA SCIENCE: GETTING VALUE OUT OF BIG DATA (12 HRS)

Building a Big Data Strategy – Happening of Big Data science – Five Components of Data Science. Steps in Data Science: Acquiring Data, Preprocessing and Exploring Data – Analysing Data – Communicating results – Turning insights into action

UNIT V BIG DATA SYSTEMS AND HADOOP

(12 HRS)

Meaning of Distributed File System – Scalable Computing over the Internet – Programming Models for Big Data – Introduction to Hadoop systems – The Hadoop Distributed File System: A Storage System for Big Data – YARN: A Resource Manager for Hadoop – Map Reduce: Simple Programming for Big Results – When to Reconsider Hadoop? – Cloud Computing: An important Big Data enabler.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Big Data Networks - Cybersecurity and Privacy in Big Data - Data Analytics for Social Impact - Data-driven Climate Sciences - Introduction to Machine Learning and Artificial Intelligence.

TEXT BOOKS:

- 1. Peter Guerra and Kirk Borne (2016), "Ten Signs of Data Science Maturity", O'Reily Media Pvt Ltd, USA
- 2. Tom White (2012), "Hadoop: The Definitive Guide" Third Edition, O'Reily Media, USA.
- 3. SeemaAcharya (2015), SubhasiniChellappan, "Big Data Analytics", Wiley, USA

REFERENCES:

- 1. Howard Wen, Big Ethics for Big Data, O'Reilly Media, USA.
- 2. Michael Mineli, Michele Chambers, AmbigaDhiraj (2013), Big Data, Big Analytics: Emerging Business Intelligence and Analytic Trends for Today's Businesses, Wiley Publications, USA.
- 3. Judith S.Hurwitz, Alan Nugent, Fern Halper, Marcia Kaufman (2015), "Big Data for Dummies", John Wiley & Sons, Inc., USA.

Digital Open Educational Resources (DOER):

1. https://www.coursera.org/learn/big-data-introduction/home/welcome

 $2. \qquad https://www.coursera.org/learn/bioconductor?action=enroll&authMode=login$

COURSE CONTENTS & LECTURE SCHEDULE

Modul e No.	Topic	No. of Lectur es	Teaching Pedagogy	_							
UNIT I: INTRODUCTION TO DATA SCIENCE											
1.1	Introduction to data science – Case Studie	s 4	Chalk & Talk	Black Board							
1.2	Data Science in Biomedicine and Healthcar – Sequence Processing	·e 4	Lecture	Black Board							
1.3	Natural Language Processing – Networ Modelling and Probabilistic Modelling.	k 4	Lecture	Smart Board							
	UNIT II: BIG DATA										
2.1	Big data: Meaning – Importance of Big Dat – Example of Big Data	a 3	Chalk & Talk	Black Board							
2.2	Source of Big Data - Machine -Generated Data - Advantages	3	Chalk & Talk	Black Board							
2.3	Big Data generated by people – Organization of Generated Data - Integrating the data	3	Chalk & Talk	Black Board							
	UNIT III: Characteristics	of Big Da	ata	i							
3.1	Characteristics of big data volume – Variet –Velocity	y 4	Chalk & Talk	Black Board							
3.2	Characteristics of Big Data – Veracity – Valence and Value	4	Chalk & Talk	Black Board							
3.3	Getting value out of Big Data using 5-step process to structure your analysis.	4	Chalk & Talk	Black Board							
	UNIT IV: Data Science: Getting val	ue out of	Big Data								
4.1	Building a Big Data Strategy	2	Lecture	PPT & Smart Board							
4.2	Happening of Big Data science – Five Components of Data Science	2	Chalk & Talk	Black Board							
4.3	Steps in Data Science: Acquiring Data	2	Lecture	PPT							

4.4	Pre-processing and Exploring Data – Analysing Data	3	Chalk & Talk	Black Board
4.5	Communicating results – Turning insights into action	3	Chalk & Talk	Black Board
	UNIT V: Big Data Systems an	d Hadoop)	
5.1	Meaning of Distributed File System	3	Chalk & Talk	Black Board
5.2	Scalable Computing over the Internet – Programming Models for Big Data	3	Chalk & Talk	Black Board
5.3	Introduction to Hadoop systems – The Hadoop Distributed File System	3	Chalk & Talk	Black Board
5.4	A Storage System for Big Data – YARN: A Resource Manager	3	Chalk & Talk	Black Board
	UNIT -VI DYNAMISM			
6.1	Big Data Networks - Cybersecurity and Privacy in Big Data - Data Analytics for Social Impact - Data-driven Climate Sciences - Introduction to Machine Learning and Artificial Intelligence	3	Semina r	PPT

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
К2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%

Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA						
Scholastic	35					
Non Scholastic	5					
	40					

EVALUATION PATTERN

	sc	HOLAS	NON - SCHOLASTIC				MARK	(S
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

	N	os		
C1	- Test (CIA 1)	1	-	10 Mks
C2	- Test (CIA 2)	1	-	10 Mks
C3	- Assignment	2 *	-	5 Mks
C4	- Open Book Test/PPT	2 *	-	5 Mks
C5	- Seminar	1	-	5 Mks
C6	- Attendance		-	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Explain Characteristics and challenges of Big Data
CO 2	Describe Big Data Analytics
CO 3	Explain Data Science in Big Data Technologies
CO 4	Demonstrate Hadoop Environment
CO 5	Describe HDFS in Hadoop Environment

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06
CO1	3	3	1	3	3	3
CO2	3	3	2	3	3	3
соз	2	2	1	2	2	2
CO4	3	2	3	2	3	3
CO5	3	2	3	2	3	3

Note: ♦ Strongly Correlated – 3

♦ Moderately Correlated – 2

♦ Weakly Correlated -1

COURSE DESIGNER: Mrs.N.Muthulakshmi Forwarded By

Dr.P.Sakunthala

P_snowthala

HOD'S Signature& Name

I M.Com CA

SEMESTER -I

Elective II A

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG1KE3	ENTERPRISE RESOURCE PLANNING	THEORY	5	3

COURSE DESCRIPTION

The course provides an overview of Enterprise Resource Planning (ERP) software systems and their role within an organization. It introduces key concepts of integrated information systems and explains why such systems are valuable to businesses.

COURSE OBJECTIVES

- 1. To learn the history and growth of ERP
- 2. To understand the risks involved while using ERP
- 3. To gain knowledge on the various ERP technologies
- 4. To learn the dynamics of ERP marketplace
- 5. To choose appropriate ERP solutions or packages

Units

UNIT I ENTERPRISE AN OVERVIEW

(12 HRS)

Business Functions and Business Processes - Integrated Management Information - Business Modelling - Integrated Data Model. Business Processes: Major Business Processes. Introduction to ERP: Common ERP Myths - A Brief History of ERP - Reasons for the Growth of ERP Market (Self Study).

UNIT II RISK OF ERP

(12 HRS)

People Issues - Process Risks - Technological Risks - Implementation Issues-Operation and Maintenance Issues - **Unique Risks of ERP Projects - Managing Risks on ERP Projects (Self Study)**. Benefits of ERP: Information Integration - Reduction of Lead Time - On-Time Shipment - Reduction in Cycle Time - Improved Resource Utilization - Better Customer Satisfaction - Improved Supplier Performance - Increased Flexibility - Reduced Quality Costs - Better Analysis and Planning Capabilities - Improved Information Accuracy and Decision Making Capability - Use of Latest Technology.

UNIT III ERP AND RELATED TECHNOLOGIES

(12 HRS)

Business Process Reengineering (BPR) - Business Intelligence (BI) - Business Analytics (BA) - Data Warehousing- Data Mining - On - Line Analytical Processing (OLAP) - Product Life Cycle Management (PLM) - Supply Chain Management (SCM) - Customer Relationship Management (CRM) - Geographic Information Systems (GIS) - Intranets and Extranets. Advanced Technology and ERP Security: Technological Advancements - Computer Crimes(Self Study) - ERP and Security - Computer Security - Crime and Security.

UNIT IV ERP MARKET PLACE AND MARKET PLACE DYNAMICS (12 HRS)

Market Overview - ERP Market Tiers.Market Place Dynamics - Industry - Wise ERP Market Share - ERP: The Indian Scenario(Self Study). Business Modules of an ERP Package: Functional Modules of ERP Software: Integration of ERP, Supply Chain, and Customer Relationship Applications.

UNIT V ERP IMPLEMENTATION

(12 HRS)

Benefits of Implementing ERP - Implementation Challenges. ERP Implementation Life Cycle: Objectives of ERP Implementation - **Different Phases of ERP Implementation(Self Study)**- Reasons for ERP Implementation Failure. ERP Package Selection: ERP Package Evaluation and Selection - The Selection Process - ERP Packages: Make or Buy.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

ERP Selection Process Demo.

TEXT BOOKS

- 1. Alexis Leon (2008), "Enterprise Resource Planning", 2nd edition, Tata McGraw-Hill, Noida.
- 2. Jagan Nathan Vaman (2008), "ERP in Practice", Tata McGraw-Hill, Noida.
- 3. MahadeoJaiswal and Ganesh Vanapalli (2009), "ERP", Macmillan India, Noida.

REFERENCE

- 1. Sinha P. Magal and Jeffery Word (2012), "Essentials of Business Process and Information System", Wiley India, USA.
- 2. Summer (2008), "ERP", Pearson Education, Noida.
- 3. Vinod Kumar Grag and N.K. Venkitakrishnan (2006), "ERP- Concepts and Practice", Prentice Hall of India, New Delhi.

Digital Open Educational Resources (DOER)

- 1.https://mrcet.com/downloads/digital_notes/CSE/III%20Year/ERP%20Digital% 20notes.pdf
- 2. https://mrcet.com/downloads/digital_notes/ME/III%20 year/ERP%20Complete%20Digital%20notes.pdf
- 3. https://www.vssut.ac.in/lecture_notes/lecture1428643004.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids				
UNIT -1 ENTERPRISE AN OVERVIEW								

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
1.1	Business Functions and Business Processes - Integrated Management Information	4	Lecture	PPT & White board
1.2	Business Modelling - Integrated Data Model	4	Lecture	White board
1.3	Business Processes: Major Business Processes. Introduction to ERP: Common ERP Myths	3	Lecture	PPT & White board
1.4	A Brief History of ERP - Reasons for the Growth of ERP Market (Self Study)	1	Lecture	PPT & White board
	UNIT -2 RISK OF E	RP		
2.1	People Issues - Process Risks - Technological Risks	2	Lecture	Green Board Charts
2.2	Implementation Issues-Operation and Maintenance Issues - Unique Risks of ERP Projects - Managing Risks on ERP Projects(Self Study)	2	Chalk & Talk	Black Board
2.3	Benefits of ERP: Information Integration - Reduction of Lead Time - On-Time Shipment - Reduction in Cycle Time - Improved Resource Utilization	2	Chalk & Talk	Black Board
2.4	Better Customer Satisfaction - Improved Supplier Performance - Increased Flexibility - Reduced Quality Costs - Better Analysis and Planning Capabilities	2	Chalk & Talk	Black Board
2.5	Improved Information Accuracy and Decision Making Capability	2	Lecture	Green Board Charts

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
2.6	Use of Latest Technology	2	Lecture	Green Board Charts
	UNIT -3 ERP AND RELATED	TECHNOI	LOGIES	
3.1	Business Process Reengineering (BPR) - Business Intelligence (BI) - Business Analytics (BA)	2	Lecture	Green Board Charts
3.2	Data Warehousing- Data Mining - On - Line Analytical Processing (OLAP) - Product Life Cycle Management (PLM)	2	Chalk & Talk	Black Board
3.3	Supply Chain Management (SCM) - Customer Relationship Management (CRM)	2	Chalk & Talk	Black Board
3.4	Geographic Information Systems (GIS) - Intranets and Extranets.	2	Chalk & Talk	Black Board
3.5	Advanced Technology and ERP Security: Technological Advancements - Computer Crimes(Self Study)	2	Chalk & Talk	Black Board
3.6	ERP and Security - Computer Security - Crime and Security.	2	Chalk & Talk	Black Board
UNIT	-4 ERP MARKET PLACE AND M	ARKET PL	ACE DYNAM	MICS
4.1	Market Overview - ERP Market Tiers. Market Place Dynamics	3	Lecture	Green Board Charts
4.2	Industry - Wise ERP Market Share - ERP: The Indian Scenario(Self Study	2	Chalk & Talk	Black Board
4.3	Business Modules of an ERP Package	2	Chalk &Talk	Black

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
				Board
4.4	Functional Modules of ERP Software	2	Chalk & Talk	Black Board
4.5	Integration of ERP, Supply Chain, and Customer Relationship Applications.	3	Chalk & Talk	Black Board
	UNIT -5 ERP IMPLE	MENTATIO)N	
5.1	Benefits of Implementing ERP - Implementation Challenges	2	Lecture	Green Board
5.2	ERP Implementation Life Cycle: Objectives of ERP Implementation	4	Chalk & Talk	Black Board
5.3	Different Phases of ERP Implementation(Self Study)- Reasons for ERP Implementation Failure	4	Chalk & Talk	Black Board
5.4	ERP Package Selection: ERP Package Evaluation and Selection - The Selection Process	4	Chalk &Talk	Black Board
5.5	ERP Packages: Make or Buy.Course outcomes	4	Chalk & Talk	Black Board
UNIT -VI DY	NAMISM (Evaluation Pattern - CIA	only)		
6.1	ERP Selection Process Demo		Seminar	PPT

	C1	C2	C3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
К2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

	sc	CHOLAS	TIC		NON - SCHOLASTIC	MARKS		
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

C1	-	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	_	Open Book Test/PPT	2 *	_	5 Mks
C5	-	Seminar	1	-	5 Mks
C6	_	Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Recall the history and growth of ERP
CO 2	Appraise the risks involved while using ERP
CO 3	Select from among various ERP technologies
CO 4	Analyse the dynamics of ERP marketplace
CO 5	Distinguish and choose appropriate ERP solutions or packages

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	PO6
CO1	2	1	2	2	3	3
CO2	3	3	2	3	3	3
соз	3	3	2	3	3	3
CO4	3	3	2	3	3	3
CO5	3	3	2	3	3	3

Note: ♦ Strongly Correlated – **3**

♦ Moderately Correlated - 2

♦ Weakly Correlated -1

COURSE DESIGNER: Ms.M.Fanny

Forwarded By

P_snowthala

Dr.P.Sakunthala

HOD'S Signature& Name

I M.Com CA

SEMESTER -I

Elective II B

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/ WEEK	CREDITS
PSCC	23PG1KE4	DATABASE MANAGEMENT SYSTEM	THEORY AND LAB	5	3

COURSE DESCRIPTION

The course examines the principles of design and functions of the Relational Database Management Systems (DBMS). The course emphasizes the use of Relational DBMS as an office productivity tool. Other topics include Evolution of Database Management systems, Entity Relationships Modeling, Design of a Relational Model, Database Integrity Rules, and Normalization of Database Tables.

COURSE OBJECTIVES

- 1. To introduce the basic concepts of Relational Database Management
- 2. To understand designing databases and queries in SQL

- 3. To learn RDBMS
- 4. To up skill the functions and operators
- 5. To understand the constraints, locks and MySQL

UNIT I INTRODUCTION TO DATABASE SYSTEMS AND LINUX(12 HRS)

Introduction to File and Database systems Database System Structure - Data Models Introduction to Network Models: ER Model, Relational Model - Introduction to Linux Operating System - Properties of Linux - Desktop Environment - Linux basics commands - Working with Files - Text Editors - I/O Redirections - Pipes, Filters, and Wildcards - Changing Access Rights

UNIT II SQL DEFINITION AND NORMALIZATION (12 HRS)

SQL – Data Definition - Queries in SQL - Updates - Views - Integrity and Security.Relational Database design – Functional dependences and Normalization for relational databases (up to BCNF) - Query Forms.

UNIT III FILES AND RDBMS

(12 HRS)

Record Storage and Primary File Organization - Secondary Storage Devices - Operations on Files - Heap File - Sorted Files - Hashing Techniques - Index Structure for Files - Different Types of Indexes - B-Tree - B*Tree - Query Processing - Multimedia Databases - Basic Concepts and Applications - Indexing and Hashing - Text Databases - Overview of RDBMs - Advantages of RDBMs over DBMs - Introduction to Data Mining.

UNIT IV DATA DEFINITION AND MANIPULATION LANGUAGE (12 HRS)

Data Definition Language - Data Manipulation Language - Transaction Control - Data Control Language Grant - Revoke Privilege Command - Set Operators - Joins- Kinds of Joins - Table Aliases - Sub queries - Multiple and Correlated Sub Queries - Functions - Single Row - Date, Character, Numeric, Conversion and Group Functions

UNIT V CONSTRAINTS AND MYSQL

(12 HRS)

Constraints - Domain, Equity, Referential Integrity Constraints - Locks - Types of Locks, Table Partitions - Synonym - Introduction to PL/SQL - Introduction - MySQL as an RDBMS Tool - Data types and Commands.

UNIT VI - DYNAMISM(Evaluation Pattern-CIA only)

Parallel databases-distributed databases-Object oriented databases.

TEXT BOOKS

1. Ramon A Mata-Toledo and Pauline K Cushman, "Database Management System", Schaun's Outlines, New York

2. Rajendra Prasad Mahapatra and GovindVerma, "Database Management System", Khanna Publications, New Delhi.

REFERENCE BOOKS

- 1. Abraham Silberschatz, Henry F Korth and S. Sudarshan, "Database System Concepts" McGraw-Hill, USA.
- 2. Ramakrishnan Raghu and Gehrke Johannes, "Database Management Systems", McGraw-Hill, USA.

Digital Open Educational Resources (DOER)

- 1. http://education-portal.com/academy/lesson/what-is-a-database-management-systempurpose-and-function.html.
- 2. http://www.comptechdoc.org/os/linux/usersguide/linux_ugbasics.html.
- 3. http://www.dummies.com/how-to/content/common-linux-commands.html.

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lecture	Content Delivery Method	Teaching Aids
UN	IT -1 Introduction to File and Da	atabase sys	stems	
1.1	Introduction to File and	1	Chalk &	Black
	Database systems		Talk	Board
1.2	Database System Structure	2	Chalk &	Black
			Talk	Board
1.3	Database System Structure -	2	Lecture	Black
	Data Models Introduction to			Board
	Network Models			
1.4	ER Model, Relational Model	2	Lecture	Black
				Board
1.5	Introduction to Linux Operating	2	Lecture	Black
	System - Properties of Linux -			Board
	Desktop Environment			
1.6	Linux basics commands	2	Chalk &	Black
			Talk	Board

1.7	Text Editors I/O Redirections	2	Chalk & Talk	Black
			Tan	Board
1.8	-Pipes, Filters, and Wildcards -	2	Chalk &	Black
	Changing Access Rights		Talk	Board
2.1	SQL – Data Definition - Queries	2	Lecture	Black
	in SQL			Board
2.2	Updates - Views - Integrity and	2	Lecture	Black
	Security			Board
2.3	Relational Database design	2	Lecture	Black
				Board
2.3	Functional dependences	3	Chalk &	Black
			Talk	Board
2.9	Normalization for relational	4	Chalk	Black
	databases (up to BCNF		&Talk	Board
3.0	Query Forms.	2	Chalk &	Black
			Talk	Board
	UNIT-3 Primary Fil	e Organiza	tion	
3.1	Record Storage and Primary File	2	Chalk &	Black
	Organization		Talk	Board
3.2	Secondary Storage Devices -	1	Chalk &	Black
	Operations on Files		Talk	Board
3.3	Heap File - Sorted Files -	2	Chalk &	Black
	Hashing Techniques		Talk	Board
3.4	Index Structure for Files	2	Chalk &	Black
			Talk	Board
3.5	Different Types of Indexes -	3	Chalk &	Black
	Query Processing		Talk	Board
3.6	Indexing and Hashing	2	Chalk &	Black
			Talk	Board

3.7	Overview of RDBMs	1	Chalk &	Black
			Talk	Board
3.9	Advantages of RDBMs over	2	Chalk &	Black
	DBMs		Talk	Board
	UNIT-4 Data Defin	ition Lang	guage	
4.0	Data Definition Language - Data	3	Chalk &	Black
	Manipulation Language		Talk	Board
4.1	Data Control Language	3	Chalk	Black
			&Talk	Board
4.2	Grant - Revoke Privilege	3	Chalk &	Black
	Command		Talk	Board
4.3	Set Operators	2	Chalk &	Black
			Talk	Board
4.0	Joins- Kinds of Joins and Group	4	Chalk &	Black
	Functions.		Talk	Board
	UNIT-5 Cons	traints		
4.1	Constraints	3	Chalk &	Black
			Talk	Board
4.2	Domain, Equity, Referential	3	Chalk &	Black
	Integrity Constraints		Talk	Board
4.3	Locks - Types of Locks	3	Chalk &	Black
			Talk	Board
4.4	Introduction - MySQL as an	3	Chalk &	Black
	RDBMS Tool		Talk	Board
4.5	Data types and Commands.	3	Chalk &	Black
			Talk	Board

Levels	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
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	Semina r 5 Mks.	Better of W1, W2 5Mks	M1+M 2 10 Mks	MID - SEM TES T 15 Mks	35 Mks.	5 Mks.	40Mks	% of Assessmen t
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
К5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

SCHOLASTIC		NON - SCHOLASTIC	MARKS					
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			Nos		
C1	-	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	_	Seminar	1	_	5 Mks
C6	-	Attendance		-	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Identify models and schemas in DBMS and LINUX
CO 2	Demonstrate Queries in SQL
CO 3	Discuss handling files and databases
CO 4	Apply skills on functions and operators in RDBMS
CO 5	Apply constraints and locks in SQL

Mapping of COs with PSOs

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	2	3	2	2
CO2	3	3	2	3	2	2
CO3	3	3	3	3	2	2
CO4	3	3	2	3	2	2

CO5	3	3	2	3	2	2
Weightage						
ofcoursecontr						
ibutedtoeach	15	14	11	15	10	10
PSO						

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

 ϕ WeaklyCorrelated -1

COURSE DESIGNER:

1. J.UMA

Forwarded By

Dr.P.Sakunthala

P_snowthala

HOD'S Signature& Name

I M.COM(CA)

SEMESTER -I

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE	COURSE TITLE	CATEGORY	HRS/ WEEK	CREDITS
PSCC	23PG1KAE	ELECTRONIC BANKING	Theory	2	1

COURSE DESCRIPTION

This course is designed to equip students with current developments in the banking industry with respect to the application of electronics in banking to promote self-service retail banking.

COURSE OBJECTIVES

Provide students with a clear understanding of the concept of electronic banking (E-banking)

UNIT -I BANKER & CUSTOMER

[6 HRS]

Definition-General relationship -Application for opening account Forms used in banking service (Deposit, withdrawal, Demand Draft, Pay in slip)

UNIT - II E- BANKING:

[6 HRS]

Meaning – Services –Benefits – Opportunities – Risk management – Types of risk.

UNIT - III INTERNET BANKING:

[6 HRS]

Meaning – Internet banking Vs. Traditional banking – Mechanics – Services – Drawbacks – Major issues.

UNIT -IV MOBILE BANKING:

[6HRS]

Mobile Banking: Meaning – Definition – Features – Services – Registration.

UNIT -V RECENT TRENDS IN BANKING

[6 HRS]

NEFT-RTGS – ECS – EFT - Automatic Teller Machine (ATM)- IMPS-SWIFT

UNIT VI - DYNAMISM

E-Banking Trends In India: Evolution, Challenges And Opportunities

REFERENCES:

TEXT BOOKS

Dr. S. Gurusamy, Banking Theory Law and Practice, Tata McGraw – Hill, New Delhi, 20th Edition (2015).

Digital Open Educational Resources (DOER):

- http://www.shanlaxjournals.in/pdf/MGT/V3N2/MGT V3 N2 011.pdf
- 2. http://lawtimesjournal.in/e-banking-and-recent-trends-in-india/

Digital Open Educational Resources (DOER):

1.	http://www.shanlaxjournals.in/pdf/MGT/V3N2/MGT_V3_N2_011.pd
<u>f</u> 2.	http://lawtimesjournal.in/e-banking-and-recent-trends-in-india/
	COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
1.1	Definition	2	Chalk & Talk	Black Board
1.2	General relationship	2	Lecture	Black Board
1.3	Application for opening account Forms used in banking service (Deposit, withdrawal,	2	Lecture	PPT
1.4	Demand Draft, Pay in slip)	2	Lecture	PPT
2.1	Meaning - Services	1	Chalk & Talk	Black Board
2.2	Benefits	1	Chalk &Talk	Black Board
2.3	Opportunities	1	Chalk & Talk	Black Board
2.4	Risk management	1	Chalk & Talk	Black Board
2.5	Types of risk.	2	Chalk & Talk	Black Board
	UNIT -3			
3.1	Meaning	1	Chalk & Talk	Black Board
3.2	Internet banking Vs. Traditional banking	1	Chalk & Talk	Black Board
3.3	Mechanics	1	Chalk & Talk	Black Board
3.4	Services	1	Chalk & Talk	Black Board

3.5	Drawbacks	1	Chalk & Talk	Black Board						
3.6	Major issues.	1	Chalk & Talk	Black Board						
	UNIT -4									
4.2	Mobile Banking: Meaning , Definition	1	Chalk & Talk	Black Board						
4.3	Features	2	Chalk & Talk	Black Board						
4.4	Services	2	Chalk & Talk	Black Board						
4.5	Registration.	1	Chalk & Talk	Black Board						
	UNIT -5									
5.1	NEFT,RTGS, EFT-		Lecture	PPT						
5.2	ECS ,Automatic Teller Machine (ATM		Lecture	PPT						
5.3	IMPS		Lecture	PPT						
5.4	SWIFT		Lecture	PPT						
	UNIT VI – DYNAMISM									
6.1	E-Banking Trends In India: Evolution, Challenges And Opportunities		Seminar	PPT						

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	% of
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				Assessmen t

	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
К5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA						
Scholastic	35					
Non Scholastic	5					
	40					

EVALUATION PATTERN

	sc	HOLAS	TIC		NON - SCHOLASTIC		MARK	S
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

Nos

C1 - Test (CIA 1) 1 - 10 Mks

C2 - Test (CIA 2) 1 - 10 Mks

-	Assignment	2 *	-	5 Mks
-	Open Book Test/PPT	2 *	_	5 Mks
-	Seminar	1	_	5 Mks
-	Attendance		_	5 Mks
	-	AssignmentOpen Book Test/PPTSeminarAttendance	- Open Book Test/PPT 2 * - Seminar 1	- Open Book Test/PPT 2 * Seminar 1 -

•

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO1	Equip Students With Modern And More Current Developments In The Banking Sector.
	in the Banking Sector.
CO2	Facilitate The Operations And Practices Of Banking.
CO3	Precisely The Application Of The Internet, Computers And Other Electronically-Based Gadgets .
CO4	Learn The Technology Essentials Contributing To Internet And Mobile Banking Risks.
CO5	Enable Participants To Gain Insight Knowledge Into Cheque
203	Truncation And Electronic Settlement And Clearance System.

Mapping of COs with POs & PSOs

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	2	2	2	2
CO2	2	3	3	2	2	2
CO3	2	3	3	2	2	3
CO4	2	2	3	3	2	3

^{*}The best out of two will be taken into account

CO5	2	3	3	2	2	3

Note: ♦ Strongly Correlated – 3

♦ModeratelyCorrelated – 2

♦WeaklyCorrelated -1

COURSE DESIGNER:

Dr.S.P.Savitha

Forwarded By

P Salametha la

I M.COM(CA)

SEMESTER -II

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE	COURSE TITLE	CATEGOR Y	HRS/WEEK	CREDITS
PSCC	23PG2K4	STRATEGIC COST MANAGEMENT	Theory & Problem	6	5

COURSE DESCRIPTION

Cost accounting is an essential management tool that can uncover profitability improvements and provide support for key business decisions. This course contains the essential tools needed to foster more profitable decision-making by management.

COURSE OBJECTIVES

•	To analyse the aspects of strategic
and quality control management	

• To analyse and select cost control techniques

• To apply activity based costing for decision making

• To utilise transfer pricing methods in cost determination

• To apply cost management techniques in various sectors

UNITS

UNIT -I INTRODUCTION TO STRATEGIC COST MANAGEMENT (18 HRS)

Introduction to Strategic Cost Management (SCM) – Need for SCM – Differences between SCM and Traditional Cost Management - Value Chain Analysis: Meaning and steps - Quality Cost Management: Meaning of Quality and Quality Management – Cost of Quality –Indian Cost Accounting Standard 21 on Quality Control - Introduction to Lean System – Benefits of Lean System – Just in Time (JIT) – Kaizen Costing..

UNIT II COST CONTROL AND REDUCTION

(18 HRS)

Cost Management Techniques: Cost Control: Meaning and Prerequisites - Cost Reduction: Meaning and Scope – Differences between Cost control and cost reduction - Pareto Analysis: Meaning, importance and applications - Target Costing: Meaning, steps and Principles – Life Cycle Costing: Meaning, Strategies for each stage of product life cycle, Benefits – Learning Curve: Meaning, Learning curve ratio and applications.

Activity Based Cost Management: Concept, Purpose, Stages, Benefits, Relevance in Decision making and its Application in Budgeting – Practical problems.

UNIT IV TRANSFER PRICING

(18 HRS)

Transfer Pricing: Meaning, Benefits, Methods: Pricing based on cost, Market price on transfer price, Negotiated pricing and Pricing based on opportunity costs – Practical Problems.

UNIT V COST MANAGEMENT IN AGRICULTURE AND IT SECTOR(18 HRS)

Agriculture Sector: Features, Cost Structure, Cost Management, Tools to measure the performance, Minimum Support Price and International Perspective – Information Technology Sector: Features, Cost Structure, Cost Management and International Perspective.

UNIT -VI DYNAMISM (Evaluation Pattern-CIA only)

Fixed Costs, Explicit Costs, Social Costs, Implicit Costs, Social Costs, and Replacement Costs.

TEXT BOOK:

- 1. Ravi M Kishore (2018), "Strategic Cost Management", 5thEdition, TaxmannPublicationsPvt. Ltd, New Delhi.
- 2. Bandgar P. K., (2017), "Strategic Cost Management", 1stEdition, Himalaya Publishing House Pvt Ltd, Mumbai.
- 3. Sexena V. K., (2020), "Strategic Cost Management and Performance Evaluation", 1st

Edition, Sultan Chand & Sons, New Delhi

REFERENCES:

1. John K Shank and Vijay Govindarajan(2008), Strategic Cost Management, Simon & Schuster; Latest edition, UK

- 2. JawaharLal, (2015), "Strategic Cost Management", 1st Edition, Himalaya Publishing House Pvt Ltd, Mumbai.)
- 3. Arora M. N., (2021), "A Text Book of Cost and Management Accounting", $11^{\rm th}$

Edition, Vikas Publishing House Pvt. Ltd., New Delhi.

DIGITAL OPEN EDUCATIONAL RESOURCES:

1.https://www.accountingtools.com/articles/strategic-cost-management.html#:~:text=

Strategic%20cost%20management%20is%20the,it%20or%20have%20no%20impact.

- 2. https://ca-final.in/wp-content/uploads/2018/09/Chapter-4-Cost-Management-Techniques.pdf
- 3. https://resource.cdn.icai.org/66530bos53753-cp5.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids				
UNIT -1 Introduction to Strategic Cost Management Introduction to Strategic Cost Black								
1.1	Management (SCM) – Need for SCM	4	Discussion	Board				
1.2	Need for SCM – Differences between SCM and Traditional Cost Management	3	Chalk & Talk	Black Board				
1.3	Value Chain Analysis: Meaning and steps - Quality Cost Management: Meaning of Quality and Quality Management	4	Lecture	LCD				

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids					
1.4	Cost of Quality –Indian Cost Accounting Standard 21 on Quality Control - Introduction to Lean System	4	Discussion	Google classroom					
1.5	Benefits of Lean System – Just in Time (JIT) – Kaizen Costing	3	Chalk & Talk	Black Board					
	UNIT -2 Cost Control a	nd Reducti	ion						
2.1	Cost Management Techniques: Cost Control: Meaning and Prerequisites	3	Lecture	PPT & White board					
2.2	Cost Reduction: Meaning and Scope – Differences between Cost control and cost reduction	3	Chalk & Talk	Green Board					
2.3	Pareto Analysis: Meaning, importance and applications	3	Chalk & Talk	Black Board					
2.4	Target Costing: Meaning, steps and Principles	3	Chalk &Talk	Black Board					
2.5	Life Cycle Costing: Meaning, Strategies for each stage of product life cycle, Benefits	3	Chalk & Talk	Black Board					
2.6	Learning Curve: Meaning, Learning curve ratio and applications.	3	Chalk & Talk	Black Board					
UNIT – 3 Activity Based Cost Management									

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids						
3.1	Activity Based Cost Management: Concept, Purpose	6	Discussion	PPT & White board						
3.2	Benefits, Relevance in Decision making and its Application in Budgeting	6	Chalk &Talk	Green Board						
3.3	Practical problems.	6	Chalk & Talk	Black Board						
	UNIT – 4 Transfer Pricing									
4.1	Transfer Pricing: Meaning, Benefits, Methods: Pricing based on cost	6	Discussion	PPT &White board						
4.2	Market price on transfer price, Negotiated pricing and Pricing based on opportunity costs	6	Chalk & Talk	Green Board						
4.3	Practical Problems.	6	Chalk & Talk	Black Board						
	UNIT - 5 Cost Management in A	griculture a	and IT sector							
5.1	Cost Management in Agriculture and IT sector	6	Lecture	PPT & White board						
5.2	Information Technology Sector: Features	6	Chalk & Talk	Black Board						
5.3	Cost Structure, Cost Management and International Perspective.	6	Lecture	Black Board						

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids					
	UNIT -6 DYNAMISM								
6.1	Fixed Costs, Explicit Costs, Social Costs, Implicit Costs, Social Costs, and Replacement Costs.	2	Discussion	Black Board					

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
К2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
К5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5

EVALUATION PATTERN

SCHOLASTIC					NON - SCHOLASTIC	MARKS			
C1	C2 C3		C4	C5	C6	CIA	ESE	Total	
10	10 5 5 5 5		5	40	60	100			

• PG CIA Components

	N	os		
C1	- Test (CIA 1)	1	-	10 Mks
C2	- Test (CIA 2)	1	-	10 Mks
C3	- Assignment	2 *	-	5 Mks
C4	- Open Book Test/PPT	2 *	_	5 Mks
C5	- Seminar	1	-	5 Mks
C6	- Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO1	Discuss strategic cost management and QC
CO2	Choose the appropriate technique for cost control
CO3	Utilise activity based costing in practice
CO4	Adopt transfer pricing methods

CO5

Build cost structure for Agriculture and IT sector

Mapping of COs with POs & PSOs

	POs							PSOs	
	1	2	3	4	5	6	1	2	3
CO1	3	3	3	3	3	3	3	3	3
CO2	3	3	2	3	3	3	3	3	3
CO3	3	3	2	3	3	3	3	3	3
CO4	3	3	2	3	3	3	3	2	3
CO5	3	3	1	3	3	3	3	3	3

Note: ♦ Strongly Correlated – 3

♦ModeratelyCorrelated – 2

♦WeaklyCorrelated -1

COURSE DESIGNER:

P sommethala

Dr.P.Sakunthala

Forwarded By

P showthala

I M.Com CA

SEMESTER -II

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG2K5	CORPORATE ACCOUNTING	Theory & Problem	6	5

COURSE DESCRIPTION:

This course emphasises accounting for companies, preparation of their final accounts and cash flow statements, analysis and interpretation of companies's financial results and accounting for specific events like amalgamation, absorption, preparation of consolidated balance sheets.

COURSE OBJECTIVES:

- 1 To understand the accounting treatment for issue of shares
- 2 To determine profits for fire and marine insurance
- 3 To prepare consolidated financial statements
- 4 To account for price level changes
- 5 To adopt financial reporting standards

Units

UNIT I ISSUE OF SHARES AND FINAL ACCOUNTS OF COMPANIES (18 HRS)

Issue of Shares: ESOPs - ESPS - Sweat Equity Shares - Book Building- Buy-back of Shares - Conversion of debentures into shares - Final accounts of Companies as per Schedule III of the Companies Act, 2013 – Managerial remuneration.

UNIT II INSURANCE COMPANY ACCOUNTS (18 HRS)

Insurance Company Accounts: Types of Insurance - Final accounts of life assurance Companies- Ascertainment of profit- Valuation Balance Sheet-Final accounts of Fire, Marine and miscellaneous Insurance Companies.

Unit III CONSOLIDATED FINANCIAL STATEMENTS

(18

HRS)

Consolidated financial statements as per AS 21: Consolidated Profit and Loss Account – Minority interest – Cost of control – Capital reserve – Intercompany holdings – Preparation of consolidated Balance Sheet.

UNIT IV CONTEMPORARY ACCOUNTING METHODS

(18 HRS)

Accounting for price level changes – Social responsibility accounting – Human resource accounting - Forensic Accounting.

UNIT V FINANCIAL REPORTING

(18

HRS)

Financial reporting: Meaning, Objectives, Characteristics – Indian Accounting Standards (AS 5, AS 10, AS 19, AS 20) – Corporate Social Responsibility: Meaning, Key provisions of Companies Act, 2013, Accounting for CSR expenditure, Reporting of CSR, Presentation and disclosure in the financial statements.

UNIT -VI DYNAMISM(Evaluation Pattern - CIA only)

Debentures – Issue of Debentures- Provision for Redemption of Debentures

TEXT BOOKS

1. Reddy T. S. &Murthy A., (2022), "Corporate Accounting – Volume I &II", 17th E Publications, Chennai.

REFERENCES

- 1. ArulanandamM.A&Raman K.S., (2021), "Advanced Accounting (Corporate Accounting Himalaya Publishing House Pvt Ltd, Mumbai.
- 2. Shukla M C, Grewal T S and Gupta S C, (2022), "Advanced Accounts Volume II", 19 Chand & Sons, New Delhi.

Digital Open Educational Resources (DOER):

- 1. https://resource.cdn.icai.org/66550bos53754-p1-cp9.pdf
- 2. https://resource.cdn.icai.org/66545bos53754-p1-cp4.pdf
- 3. https://resource.cdn.icai.org/66638bos53803-cp1.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids				
UNIT -1	Issue of Shares and Final Ac	counts of C	ounts of Companies					
1.1	Issue of Shares: ESOPs - ESPS - s - Conversion of debentures into shares - Final accounts of Companies as per Schedule III of the Companies Act, 2013 – Managerial remuneration.	4	Lecture	White board				
1.2	Sweat Equity Shares - Book Building- Buy-back of Share	4	Lecture	White board				
1.3	Final accounts of Companies as per Schedule III of the Companies Act, 2013 –.	3	Lecture	White board				
1.4	Final accounts of Companies as per Schedule III of the Companies Act, 2013 –.	4	Lecture	White board				
1.5	Managerial remuneration	3	Lecture	White board				
UNIT -2	Insurance Company Accoun	nts						
2.1	Insurance Company Accounts:.	2	Lecture	Green Board Charts				
2.2	Types of Insurance - Final accounts of life assurance Companies-		Chalk & Talk	Black Board				
2.3	Ascertainment of profit-Final accounts of Fire,		Chalk & Talk	Black Board				
2.4	Marine and miscellaneous Insurance Companies	2	Chalk & Talk	Black Board				

	2	Marine and miscellaneou 2.5 Insurance Companies			1	L	ecture	Green Board Charts
	2	.6	miscellaneous Insurance Companies	9	2 Lecture		ecture	Green Board Charts
U	nit -	3	Consolidated financial sta	temei	nts			
,	3.1	Con AS 2	solidated financial statements a 21:	s per		3	Lecture	Green Board Charts
;	3.2	Con	solidated Profit and Loss Accou	nt		3	Chalk & Talk	Black Board
,	3.3		ority interest – Cost of conti ital reserve –	rol –		3	Chalk & Talk	Black Board
;	3.4		r-company holdings – Preparati solidated Balance Sheet.	on of		3	Chalk & Talk	Black Board
,	3.5		r-company holdings – Preparati solidated Balance Sheet.	on of		3	Chalk & Talk	Black Board
U	NIT	-4	Contemporary Accounting M	Ietho	ds			
	4.1	Acco	ounting for price level changes -	-		1	Lecture	Green Board Charts
4	4.2	Soci	al responsibility accounting –			2	Chalk & Talk	Black Board
4	4.3		nan resource accounting - Fore	ensic		4	Chalk & Talk	Black Board
4	4.4	Hun	nan resource accounting			3	Chalk & Talk	Black Board
4	4.5	For	ensic Accounting.			3	Chalk & Talk	Black Board

4.6	Forensic Accounting.	2	Chalk & Talk	Black Board					
UNIT- 5 Financial reporting									
5.1	Financial reporting: Meaning,	1	Lecture	Green Board					
5.2	Objectives, Characteristics –	4	Chalk & Talk	Black Board					
5.3	Indian Accounting Standards (AS 5, AS 10, AS 19, AS 20) –	4	Chalk &Talk	Black Board					
5.4	Corporate Social Responsibility: Meaning, Key provisions of Companies Act, 2013, Accounting for CSR	4	Chalk & Talk	Black Board					
5.5	Reporting of CSR, Presentation and disclosure in the financial statements.	4	Chalk & Talk	Black Board					
	UNIT -VI DYNAMISM								
6.1	Redemption of Debentures		Seminar	PPT					

	C1	C2	С3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	
Levels	Seminar	Better of W1, W2	M1+M2	MID- SEM TEST				% of Assessment
	5 Mks.	5Mks.	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks.	
K2	5	-	-	2 ½	-		1	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %

K5	-	-	3	5	9		9	22.5%
Non Scholastic	1	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

SCHOLASTIC			TIC		NON - SCHOLASTIC	MARKS		
C1	C2	СЗ	C4	C5	C6	C6 CIA ESE		Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

Nos

C1	-	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	_	Open Book Test/PPT	2 *	-	5 Mks
C5	-	Seminar	1	-	5 Mks
C6	-	Attendance		-	5 Mks

^{*}The best out of two will be taken into account

OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	PrepareFinancialStatementsofcompaniesasperscheduleIIIofCompaniesAct,2013
CO 2	Apply the provisions of IRDA Regulations, 2002 in the preparation of final accounts and General Insurance Companies.
CO 3	Prepare Consolidated Financial Statements of Holding Companies in accordance with AS2000000000000000000000000000000000000
CO 4	Assess contemporary accounting methods
CO 5	ExamineFinancialReporting based on AccountingStandardsandprovisionsofCompaniesAct2013withrespecttoCorporateSoc

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06
CO1	3	3	3	3	3	3
CO2	3	3	3	3	3	3
соз	3	3	3	3	3	3
CO4	3	3	3	3	3	3
CO5	3	3	3	3	3	3

- **Note**: ♦ Strongly Correlated **3** ♦ Moderately Correlated **2**

♦ Weakly Correlated -1

COURSE DESIGNER:

Dr.T.K.LATHA MAHESWARI

P swenthala

Forwarded By

HOD'S Signature& Name

Dr.P.Sakunthala

/

I M.Com CA

SEMESTER -II

For those who joined in 2023 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
PSCC	23PG2K6	SETTING UP OF BUSINESS ENTITIES	Theory	6	4

COURSE DESCRIPTION

In this course you will gain a thorough understanding about important differences in doing business under different structures

COURSE OBJECTIVES

- 1 To understand the startup landscape and its financing
- 2 To analyse the formation and registration of Section 8 company
- 3 To outline the concept of LLP and business collaboration
- 4 To understand the procedure for obtaining registration and license
- 5 To create awareness about the legal compliances governing business entities

Units

UNIT -I STARTUPS IN INDIA

(18 HRS)

Types of business organisations – Factors governing selection of an organisation - Startups – Evolution – Definition of a Startup – Startup landscape in India – Startup India policy – Funding support and incentives – Indian states with Startup policies – Exemptions for startups – Life cycle of a Startup – Important points for Startups – Financing options available for

Startups – Equity financing – Debt financing – IPO – Crowd funding – Incubators - Mudra banks – Successful Startups in India.

UNIT -II NON-PROFIT ORGANISATIONS

(18 HRS)

Formation and registration of NGOs – Section 8 Company – Definition – Features – Exemptions – Requirements of Section 8 Company – Application for incorporation – Trust: Objectives of a trust – Persons who can create a trust – Differences between a public and private trust – Exemptions available to trusts – Formation of a trust – Trust deed –Society – Advantages – Disadvantages – Formation of a society – Tax exemption to NGOs.

UNIT -III LIMITED LIABILITY PARTNERSHIP AND JOINT VENTURE(18 HRS)

Limited Liability Partnership: Definition – Nature and characteristics – Advantages and disadvantages – Procedure for incorporation – LLP agreement – Annual compliances of LLP-Business collaboration: Definition – Types – Joint venture: Advantages and disadvantages – Types – Joint venture agreement - Successful joint ventures in India – Special Purpose Vehicle – Meaning – Benefits – Formation.

UNIT -IV REGISTRATION AND LICENSES (18 HRS)

Registration and Licenses: Introduction – Business entity registration – Mandatory registration – PAN – Significance – Application and registration of PAN – Linking of PAN with Aadhar – TAN – Persons liable to apply for TAN – Relevance of TAN – Procedure to apply for TAN – GST: Procedure for registration – Registration under Shops and Establishment Act – MSME registration – Clearance from Pollution Control Board – FSSAI registration and license – Trade mark, Patent and Design registration.

UNIT -V ENVIRONMENTAL LEGISLATIONS IN INDIA (18 HRS)

Geographical Indication of Goods (Registration and Protection) Act, 1999: Objectives, Salient Features - The Environmental Protection Act, 1986: Prevention, control and abatement of environmental pollution - The Water (Prevention And Control of Pollution) Act, 1974: The Central and State Boards for Prevention and Control of Water Pollution - Powers and Functions of Boards - Prevention and Control of Water Pollution - Penalties and Procedure-The Air (Prevention and Control of Pollution) Act, 1981: Central and State Boards for The Prevention and Control of Air Pollution - Powers And Functions - Prevention and Control of Air Pollution - Penalties and Procedure.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Business Collaborations -Purpose and Process

TEXT BOOK:

- 1. Kailash Thakur, (2007) "Environment Protection Law and Policy in India", 2nd Edition, Deep & Deep Publication Pvt. Ltd., New Delhi.
- 2. Avtar Singh, (2015), "Intellectual Property Law", Eastern Book Company, Bangalore

REFERENCES

- 1. Setting up of Business Entities and Closure (2021), Module 1, Paper 3, The Institute of Company Secretaries of India, MP Printers, Noida
- 2. The Air (Prevention and Control of Pollution) Act, 1981, Bare Act, 2022 Edition, Universal/LexisNexis, Noida
- 3. The Water (Prevention and Control of Pollution) Act, 1974, Bare Act, 2022 Edition, Universal/LexisNexis, Noida
- 4. Cliff Ennico, (2005) "Small Business Survival Guide Starting Protecting and Securing your Business for Long-Term Success", Adams Media, USA
- 5. Daniel Sitarz, (2011) "Sole Proprietorship: Small Business Start-up Kit", 3rd Edition, Nova Publishing, USA

Digital Open Educational Resources (DOER):

- 1. <u>https://www.icsi.edu/media/webmodules/FINAL_FULL_BOOK_of_EP_SBEC_2018.pdf</u>
- 2. https://www.mca.gov.in/MinistryV2/incorporation_company.html 3)
- 3. https://legislative.gov.in/sites/default/files/The%20Limited%20Liability%20 Partnership%20 Act,%202008.pdf
- 4. https://legislative.gov.in/sites/default/files/A1999-48.pdf

https://www.indiacode.nic.in/bitstream/123456789/6196/1/the_environment_protection_act%2C1986.pdf

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
	UNIT -1 STARTUP	S IN INDIA		
1.1	Types of business organisations – Factors governing selection of an organisation - Startups – Evolution -Definition of a Startup – Startup landscape in India – Startup India policy	3	Lecture	PPT & White board
1.2	Funding support and incentives – Indian states with Startup policies	3	Lecture	White board
1.3	Exemptions for startups – Life cycle of a Startup	3	Lecture	Black Board
1.4	Important points for Startups – Financing options available for Startups	3	Lecture	Black Board
1.5	Equity financing – Debt financing – IPO – Crowd funding	3	Lecture	Black Board
1.6	Incubators - Mudra banks - Successful Startups in India.	3	Lecture	Black Board
UNIT -2	NON-PROFIT ORGANISATIONS			
2.1	Formation and registration of NGOs - Section 8 Company	2	Lecture	Green Board Charts
2.2	Definition – Features – Exemptions	2	Chalk & Talk	Black Board
2.3	Requirements of Section 8 Company		Chalk & Talk	Black Board
2.4	Application for incorporation – Trust: Objectives of a trust	2	Chalk & Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
2.5	Persons who can create a trust – Differences between a public and private trust	1	Lecture	Green Board Charts
2.6	Exemptions available to trusts	2	Lecture	Green Board Charts
2.7	Formation of a trust		Lecture	Green Board Charts
2.8	Trust deed –Society	2	Chalk & Talk	Black Board
2.9	2.9 Advantages – Disadvantages .		Chalk & Talk	Black Board
UNIT -3	LIMITED LIABILITY PARTNERSH	IIP AND JO	INT VENTUR	E
3.1	Limited Liability Partnership: Definition – Nature and characteristics	3	Lecture	Green Board Charts
3.2	Advantages and disadvantages – Procedure for incorporation.	3	Chalk & Talk	Black Board
3.3	LLP agreement – Annual compliances of LLP	3	Chalk & Talk	Black Board
3.4	Business collaboration: Definition – Types	3	Chalk & Talk	Black Board
3.5	Joint venture: Advantages and disadvantages	3	Chalk & Talk	Black Board
3.6	Types – Joint venture agreement - Successful joint ventures in India – Special Purpose Vehicle – Meaning – Benefits – Formation	3	Chalk & Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids					
UNIT -4	UNIT -4 REGISTRATION AND LICENSES								
4.1	Registration and Licenses: Introduction – Business entity registration		Lecture	Green Board Charts					
4.2	Mandatory registration – PAN – Significance	2	Chalk & Talk	Black Board					
4.3	Application and registration of PAN – Linking of PAN with Aadhar	2	Chalk & Talk	Black Board					
4.4	TAN – Persons liable to apply for TAN – Relevance of TAN		Chalk & Talk	Black Board					
4.5	Procedure to apply for TAN –GST: Procedure for registration	2	Chalk & Talk	Black Board					
4.6	Registration under Shops and Establishment Act	2	Chalk & Talk	Black Board					
4.7	MSME registration – Clearance from Pollution Control Board	2	Chalk & Talk	Black Board					
4.8	FSSAI registration and license –	2	Chalk & Talk	Black Board					
4.9	Trade mark, Patent and Design registration.	2	Chalk & Talk	Black Board					
UNI	T -5 ENVIRONMENTAL LEGIS	LATIONS II	N INDIA						
5.1	Geographical Indication of Goods (Registration and Protection) Act, 1999: Objectives, Salient Features	3	Lecture	Green Board					

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids	
5.2	The Environmental Protection Act, 1986: Prevention, control and abatement of environmental pollution	revention, control and Chalk &			
5.3	- The Water (Prevention And Control of Pollution) Act, 1974: The Central and State Boards for Prevention and Control of Water	Act, 1974: The ards for 3 Chalk & Talk		Black Board	
5.4	Pollution - Powers and Functions of Boards - Prevention and Control of Water Pollution - Penalties and Procedure	3	Chalk & Talk	Black Board	
5.5	The Air (Prevention and Control of Pollution) Act, 1981: Central and State Boards for The Prevention and Control of Air Pollution -	3	Chalk & Talk	Black Board	
5.6	Powers And Functions Prevention and Control of Air Pollution - Penalties and Procedure.	Pollution - 3 Chalk & Talk		Black Board	
	UNIT -VI DYNAMISM				
6.1	Business Collaborations -Purpose and Process		Seminar	PPT	

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	

K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC		MARK	S	
C1	C2	С3	23 C4 C5		C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			NOS		
C1	-	Test (CIA 1)	1	=	10 Mks
C2	-	Test (CIA 2)	1		10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	_	Seminar	1	_	5 Mks
C6	_	Attendance		_	5 Mks

*The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES						
CO 1	Build a startup and acquire finance						
CO 2	Comply with the legal requirements for Section 8 Company						
CO 3	Initiate the proceedings for LLP						
CO 4	Illustrate the registration and licensing procedure						
CO 5	Examine the compliance of regulatory framework						

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	3	3	3	3	3
CO2	3	2	2	3	2	3
CO3	3	3	2	3	3	3
CO4	3	3	3	3	3	3
CO5	3	3	3	3	3	3

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

♦ Weakly Correlated -1

COURSE DESIGNER:

Dr.S.P.Savitha

Forwarded By P Samuel La/

Dr.P.Sakunthala/

SEMESTER -II For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG2KE5	DATA MINING AND DATA INTERPRETATI ON	THEORY	4	3

COURSE DESCRIPTION

This course introduces and improves knowledge in different data mining concepts and its applications with use of data warehouse.

COURSE OBJECTIVES

- 1. To understand the basic concepts, principles and need of data warehousing
- 2. To gain knowledge on the data warehouse architecture, modelling and its implementation.
- 3. To understand steps in implementing data mart and its various dimensions
- 4. To learn the features, types and challenges of data mining
- 5. To aid the students to understand the various data mining tools and techniques

Units

UNIT I DATA WAREHOUSE

(12 HRS)

Definition - history of data warehouse - features of data warehouses - characteristics of data warehouse - goals of data warehousing - principles of data warehousing - need for data warehouse - benefits of data warehouse - need for separate data warehouse - difference between database and data warehouse - applications of data warehouses - components of data warehouse- data staging component.

UNIT II DATA WAREHOUSE ARCHITECTURE

(12 HRS)

Data warehouse architecture - properties of data warehouse architectures - types of data warehouse architectures- three-tier data warehouse architecture

- ETL (extract, transform, and load) process - selecting an ELT tool- Difference between ETL and ELT types of data warehouses - data warehouse modelling - data modelling life cycle - types of data warehouse models- data warehouse design - data warehouse implementation- implementation guidelines - meta data - necessary of metadata in data warehouses - types of metadata-metadata repository - benefits of metadata repository.

UNIT III DATA MART

(12 HRS)

Data Mart- Reasons for creating a data mart- Types of Data Marts- Steps in Implementing a Data Mart- Difference between Data Warehouse and Data Mart. - Dimensional Modeling-Objectives of Dimensional Modeling-Advantages of Dimensional Modeling - Elements of Dimensional Modeling - Dimension Table- Multidimensional Data Model-Data Cube.

UNIT IV DATA MINING

(12

HRS)

Definition - History of Data Mining- Features of Data Mining - Types of Data Mining - Data Mining Vs Data Warehousing- Advantages and Disadvantages of Data Mining - Data Mining Applications - Challenges of Implementation in Data mining - Steps involved in Data Mining - Classification of Data Mining Systems.

UNIT V DATA MINING TOOLS & TECHNIQUES (12HRS)

Data Mining Implementation Process - Data Mining Architecture Clustering in Data Mining - Different types of Clustering - Text Data Mining
- Bitcoin Data Mining - Data Mining Vs Big Data - Data Mining Models Trends in Data Mining.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Applying Data Mining Techniques - Housing Price Predictions - Smart
Health Disease Prediction Using Naive Bayes -Online Fake Logo Detection
System - Color Detection - Product and Price Comparing tool.

TEXT BOOKS:

- 1. Jiawei Han, MichelineKamber (2011), Data Mining, Concepts and Techniques, Morgan Kauffman Publishers, California.
- 2. Pang Ning Tan, Michael Steinbach, Vipin Kumar (2005), Introduction to Data Mining, Addison Wesley, USA.
- 3. K. P. Soman, ShyamDiwakar, V. Ajay (2006), Insight into Data Mining: Theory & Practice, Prentice Hall of India, New Delhi.

REFERENCES

- 1. BPB Editorial Board (2004), "Data Mining", BPB publications, Noida.
- 2. Ian H. Witten &Eibe Frank (2011), "Data Mining, Practical Machine Learning Tools and Techniques", Morgan Kaufmann series.
- 3. Ramesh Sharda, DursunDelen, Efraim Turban (2018), "Business Intelligence", Pearson Education Services Pvt Ltd, Noida.

Digital Open Educational Resources (DOER):

- 1. https://mrcet.com/downloads/digital_notes/ME/III%20 year/ERP%20Complete%20Digital%20notes.pdf
- 2. https://mrcet.com/pdf/Lab%20Manuals/IT/DATA%20WAREHOUSING%20AND% 020DATA%20MINING%20(R18A0524).pdf00

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids					
UNIT -1 Data Warehouse									
1.1	Definition - history of data warehouse - features of data warehouses	1	Lecture	PPT & White board					
1.2	characteristics of data warehouse - goals of data warehousing	2	Lecture	White board					
1.3	principles of data warehousing - need for data warehouse	2	Lecture	PPT & White board					
1.4	benefits of data warehouse - need for separate data warehouse -	2	Lecture	PPT & White board					

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
1.5	difference between database and data warehouse	2	Lecture	White board
1.6	applications of data warehouses	1	Lecture	White board
1.7	components of data warehouse- data staging component	2	Lecture	White board
UNIT -2	Data Warehouse Architecture			
2.1	Data warehouse architecture - properties of data warehouse architectures	1	Lecture	Green Board Charts
2.2	Types of data warehouse architectures- three-tier data warehouse architecture - ETL (extract, transform, and load)	1	Chalk & Talk	Black Board
2.3	selecting an ELT tool- Difference between ETL and ELT types of data warehouses	2	Chalk & Talk	Black Board
2.4	data warehouse modelling - data modelling life cycle - types of data warehouse models	2	Chalk & Talk	Black Board
2.5	data warehouse design - data warehouse implementation- implementation guidelines	2	Chalk & Talk	Black Board
2.6	meta data - necessary of metadata in data warehouses	1	Chalk & Talk	Black Board
2.7	types of metadata- metadata repository - benefits of metadata repository	1	Chalk & Talk	Black Board
UNIT -3	Data Mart			
3.1	Data Mart- Reasons for creating a data mart- Types of Data Marts	1	Lecture	Green Board Charts

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids		
3.2	Steps in Implementing a Data Mart- Difference between Data Warehouse and Data Mart	1	Chalk & Talk	Black Board		
3.3	Dimensional Modeling-Objectives of Dimensional Modeling	3	Chalk & Talk	Black Board		
3.4	Advantages of Dimensional Modeling	3	Chalk & Talk	Black Board		
3.5	Elements of Dimensional Modeling	2	Chalk & Talk	Black Board		
3.6	Dimension Table- Multidimensional Data Model-Data Cube	2	Chalk & Talk	Black Board		
UNIT -4 Data Mining						
4.1	Definition - History of Data Mining- Features of Data Mining	3	Lecture	Green Board Charts		
4.2	Types of Data Mining - Data Mining Vs Data Warehousing	3	Chalk & Talk	Black Board		
4.3	Advantages and Disadvantages of Data Mining	3	Chalk & Talk	Black Board		
4.4	Data Mining Applications - Challenges of Implementation in Data mining	3	Chalk & Talk	Black Board		
4.5	Steps involved in Data Mining - Classification of Data Mining Systems	Chalk & Talk	Black Board			
5.1	Data Mining Implementation Process - Data Mining Architecture	1	Lecture	Green Board		

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids				
5.2	Clustering in Data Mining - Different types of Clustering	4	Chalk & Talk	Black Board				
5.3	Text Data Mining	4	Chalk &Talk	Black Board				
5.4			Chalk & Talk	Black Board				
5.5	Data Mining Models - Trends in Data Mining.	4	Chalk & Talk	Black Board				
UNIT -VI DYNAMISM								
6.1	Applying Data Mining Techniques - Housing Price Predictions - Smart Health Disease Prediction Using Naive Bayes	2	Seminar	PPT				
6.2	Online Fake Logo Detection System - Color Detection - Product and Price Comparing tool	2	Seminar	PPT				

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %

K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA				
Scholastic	35			
Non Scholastic	5			
	40			

SCHOLASTIC			NON - SCHOLASTIC	MARKS		(S		
C 1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			Nos		
C1	-	Test (CIA 1)	1	_	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	_	Seminar	1	-	5 Mks
C6	_	Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Explain the basic concepts, principles and need of data warehousing

CO 2	Appraise data warehouse architecture, modelling and its implementation
CO 3	Choose various steps in implementing data mart and its dimensions
CO 4	Recall the features and types of data mining.
CO 5	Apply various data mining tools and techniques

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6
CO1	1	1	1	1	2	3
CO2	2	3	2	2	2	3
соз	3	3	3	3	3	3
CO4	3	3	3	3	3	3
CO5	3	3	3	3	3	3

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

♦ Weakly Correlated -1

COURSE DESIGNER:

Mrs.N.Muthulakshmi

Forwarded By

P samutha la Dr.P. Sakunthala

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SEMESTER -II For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG2KE6	TECHNOLOGY IN BANKING	Theory	4	3

COURSE DESCRIPTION

Technology in banking helps students assimilates knowledge of various digital products in Banking Sector and different Payment Systems in India

COURSE OBJECTIVES

To
understand the network essentials for an operational core banking system
 To provide
an overview of customer centric electronic banking.
 To
understand the evolution of electronic fund transfer systems in the banking sector
 To analyse the digital technologies offered in banking services.

understand the information security system

Units

UNIT: I INTRODUCTION TO CORE BANKING COMPUTERIZATION (12HRS)

Essentials of Bank Computerization-Stand Alone and Multi-User System-Local Area Network and Wide Area Network: Features, Advantages and Limitations - Core Banking: **Essential Requirements and Benefits.** (Self-Study)

UNIT: IIELECTRONIC PAYMENT SYSTEM AND BANKING FACILITIES (12 HRS)

ElectronicPaymentSystems—ATM:Features—Advantages—Disadvantages—BrownLabel land White Label ATM, PIN, Electro Magnetic Cards, Credit Cards, Debit Cards and SmartCards:Features,BenefitsandLimitations— MultiplePininSmartCard— ElectronicPurse—ElectronicCheque—ElectronicCash— ElectronicBanking—HomeBanking(CorporateandPersonal)—Update Facilities—Internet Banking—Mobile Banking: Features, Advantages andLimitations—Signature Storage and Retrieval System—Cheque Truncation—MICR and OCR:Characteristics—Advantages and Limitations. (Self-Study)

UNIT: IIIELECTRONIC FUND TRANSFER AND ITS TRANSITIONS (12HRS)

Electronic Fund Transfer System – Electronic Credit and Debit Clearing – NEFT, RTGS, VSAT, SFMS, SWIFT: Features, Advantages and Limitations–Digital Signature –Unified Payments Interface (UPI): Concept, Mechanism and Services Covered – Digital Wallets (E-Wallets): Features, Benefits and Types.

UNIT: IV TRENDS IN BANKING TECHNOLOGY

(12 HRS)

Recent Developments in Banking Technology: **Digital Account Opening – Application Programming Interface(Self Study)** – Video Collaboration –
Person-to-Person Payments – Cloud Computing – NUUP (National Unified USSD Platform)- AePS (Aadhaar enabled Payment System) –APBS (Aadhaar Payments Bridge System) - Role of IDBRT (Institute of Development and Research in Banking) in banking technology development - Status of E-banking in India - Process of E-Banking - Benefits of E-banking - Emerging challenges in banking industry.

UNIT: VINFORMATION SECURITY SYSTEM

(12 HRS)

Information security - Software based security systems - Hardware based security systems (smart card, M chip) - Hackers: Techniques used by the hackers, Phishing, Pharming, Key loggers, Screen loggers, Phishing - Trojans transaction poisoning - Card related fraud - Site cloning - False merchant site - Authentication methodologies and security measures (Password protection - Smart cards - Biometric characteristics) - Encryption and security - Customer confidentiality - Regulatory

environment of internet banking - **Legal Framework for Electronic Transactions(Self Study) -**Cyber security as per Information Technology Act,
2000 - RBI Guidelines on Internet Banking.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Recent trend in Electronic Banking.

TEXT BOOK:

- 1. SangeethaR,(2013) "Technology in Banking", 1st Edition, Charulatha Publications, Chennai.
- 2. Sohani, A K, (2012) "Technology in Banking Sector", SBS Publishers and Distributors Pvt Ltd, New Delhi.
- 3. Uppal R K and Dhiraj Sharma, (2017) "Banking with Technology: A New Vision -2020", Bharti Publication, New Delhi
- 4. Indian Institute of Banking and Finance, (2017) "Information Technology, Data Communications and Electronic Banking", 3rd Edition, Macmillan Publishers India Private Limited, Noida.

REFERENCES

- 1. Vadlamani Ravi, (2007) "Advances in Banking Technology and Management: Impacts of ICT and CRM", 1st Edition, Information Science Reference, Hershey, (USA).
- 2. Lucian Morrisand Tim Walker, (2021) "The Handbook of Banking Technology", John Wiley & Sons, New York.
- 3. Indian Institute of Banking and Finance, (2017), "Security in Electronic Banking", 3rd Edition, Macmillan Publishers India Private Limited, Noida.
- 4. Uppal R.K., AgrimUppal(2008) "Banking Services and Information Technology: The Indian Experience", New Century Publications, New Delhi.

Digital Open Educational Resources (DOER):

- 1. https://rbidocs.rbi.org.in/rdocs/Bulletin/PDFs/64767.pdf
- 2. https://www.researchgate.net/profile/Ravi-Vadlamani/publication/237383828_Chapter_I_Introduction_to_Banking_Te

chnology_and_Management/links/572a89bc08aef7c7e2c4fbc3/Chapter-I-Introduction-to-Banking-Technology-and-Management.pdf

3. https://eprocure.gov.in/cppp/rulesandprocs/kbadqkdlcswfjdelrqueh wuxcfmijmuixngudufgbuub gubfugbububjxcgfvsbdihbgfGhdfgFHytyhRtMjk4NzY=#:~:text=%5B9th%20J une%2C%202000%5D%20An,communication%20and%20storage%20of%20i nformation%2C

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
Ul	NIT -1 INTRODUCTION TO CORE B	SANKING CO	OMPUTERIZA	TION
1.1	Essentials of Bank Computerization–Stand Alone and Multi-User System	2	Lecture	PPT & White board
1.2	Local Area Network and Wide Area Network	2	Lecture	White board
1.3	Features, Advantages and Limitations	4	Lecture	PPT & White board
1.4	Core Banking: Essential Requirements and Benefits. (Self Study)	4	Lecture	PPT & White board
UNIT -2	ELECTRONIC PAYMENT SYSTEM	AND BANK	ING FACILIT	IES
2.1	ElectronicPaymentSystems– ATM:Features	2	Lecture	Green Board Charts
2.2	Advantages–Disadvantages	2	Chalk & Talk	Black Board
2.3	Brown Label and White Label ATM, PIN, Electro Magnetic Cards, Credit Cards, Debit Cards	2	Chalk & Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
2.4	Smart Cards: Features, Benefits and Limitations– Multiple Pin in Smart Card	2	Chalk & Talk	Black Board
2.5	Electronic Purse –Electronic Cheque –Electronic Cash	1	Lecture	Green Board Charts
2.6	Electronic Banking	2	Lecture	Green Board Charts
2.7	Home Banking(Corporate and Personal) – Update Facilities – Internet Banking –	1	Lecture	Green Board Charts
2.8	Mobile Banking: Features, Advantages and Limitations	2	Chalk & Talk	Black Board
2.9	Signature Storage and Retrieval System –	2	Chalk & Talk	Black Board
2.10	Cheque Truncation – MICR and OCR	2	Chalk & Talk	Black Board
2.11	Characteristics- Advantages and Limitations. (Self Study)	2	Chalk & Talk	Black Board
UNIT -3	ELECTRONIC FUND TRANSFER	AND ITS TE	RANSITIONS	
3.1	Electronic Fund Transfer System – Electronic Credit and Debit Clearing	3	Lecture	Green Board Charts
3.2	NEFT, RTGS, VSAT, SFMS, SWIFT: Features, Advantages and Limitations	3	Chalk & Talk	Black Board
3.3	Digital Signature	3	Chalk & Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
3.4	Unified Payments Interface (UPI): Concept, Mechanism and Services Covered	3	Chalk & Talk	Black Board
3.5	Digital Wallets (E-Wallets): Features, Benefits.	3	Chalk & Talk	Black Board
3.6	Digital Wallets (E-Wallets): Types.	5	Chalk & Talk	Black Board
UNIT -4	TRENDS IN BANKING TECHNOLO	OGY		
4.1	Recent Developments in Banking Technology: Digital Account Opening - Application Programming Interface(Self Study) -	1	Lecture	Green Board Charts
4.2	Video Collaboration – Person-to- Person Payments – Cloud Computing	2	Chalk & Talk	Black Board
4.3	— NUUP (National Unified USSD Platform)-	4	Chalk & Talk	Black Board
4.4	Process of E-Banking	5	Chalk & Talk	Black Board
4.5	- Benefits of E-banking	4	Chalk & Talk	Black Board
4.6	Emerging challenges in banking industry.	4	Chalk & Talk	Black Board
	UNIT -5 INFORMATION SECUE	RITY SYSTE	SM .	

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
5.1	Information security - Software based security systems - Hardware based security systems (smart card, M chip)	1	Lecture	Green Board
5.2	Hackers: Techniques used by the hackers, Phishing, Pharming, Key loggers, Screen loggers, Phishing - Trojans transaction poisoning	4	Chalk & Talk	Black Board
5.3	Card related fraud - Site cloning – False merchant site - Authentication methodologies and	4	Chalk & Talk	Black Board
5.4	security measures (Password protection - Smart cards - Biometric characteristics)	4	Chalk & Talk	Black Board
	Encryption and security -			
	Customer confidentiality - Legal			
	Framework for Electronic		01 11 0	Black
5.5	Transactions(Self Study) Cyber	4	Chalk & Talk	Board
	security as per Information			Doard
	Technology Act, 2000 – RBI			
	Guidelines on Internet Banking.			
UNIT -VI	DYNAMISM(Evaluation Pattern - Cl	(A only)		
6.1	Recent trend in Electronic Banking.		Seminar	PPT

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	% of
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				Assessmen t

	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
K 5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

	SCHOLASTIC			NON - SCHOLASTIC		MARK	S		
C1	C2	С3	C4	C5	C6	CIA	CIA ESE Total		
10	10	5	5	5	5	40 60 100		100	

• PG CIA Components

Nos

C1 - Test (CIA 1) 1 - 10 Mks

C2 - Test (CIA 2) 1 - 10 Mks

C3	- A	Assignment	2 *	-	5 Mks
C4	- (Open Book Test/PPT	2 *	_	5 Mks
C5	- 5	Seminar	1	-	5 Mks
C6	- 1	Attendance		_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Discuss the utility of stand-alone and multi-user systems access in Core banking.
CO 2	Assess the multi-faceted electronic payment options available to customer and host transactions in banking.
CO 3	Evaluate the dynamic transitions in Electronic Fund transfer systems.
CO 4	Evaluate the enhanced utility and user interface and other recent developments in banking technologies.
CO 5	Assess the information security system

Mapping COs Consistency with Pos and Pso

			PO	Os				PSOs	
	1	2	3	4	5	6	1	2	3
CO1	2	3	2	3	3	2	3	2	2
CO2	2	3	2	3	3	3	3	3	3
CO3	1	2	3	3	3	3	3	3	3
CO4	2	2	2	3	3	3	3	3	3
CO5	1	2	3	2	2	3	2	3	3

Note: ♦ Strongly Correlated – **3**

♦ Moderately Correlated - 2

♦ Weakly Correlated -1

COURSE DESIGNER:

Mrs. M.PRIYA

/

Forwarded By

P_salamthala

I M.Com CA SEMESTER -II

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG2KE7	FINANCIAL ANALYTICS	PRACTIC ALS	4	3

COURSE DESCRIPTION

This course introduces and improves knowledge in different the statistical concepts with R and python programming.

COURSE OBJECTIVES

- 1. TounderstandthestatisticalconceptsrelatingtoProbability,decisionmaki ng underuncertaintyandanalysisofexploratorydata
- 2. To learn the use of regression, time series analysis and building of models using accountingdata.
- 3. TogainknowledgeonRandpythonprogramming
- 4. Toprepare, analyse and forecast financial statements using cash flows tatements
- 5. Togainknowledgeonconcept,application,andissuesinc apitalbudgeting

Units

UNIT I STATISTICAL CONCEPTS

(12 HRS)

Probability, Normal, Lognormal distribution properties, Decision making under uncertainty - Cleaning and pre-processing financial data, Exploratory Data Analysis in Finance.

UNIT II SIMPLE LINEAR MODELS

(12 HRS)

Use of Regression in Finance, Building Models using Accounting Data, Understanding stockpricebehaviour, timeseries analysis infinance.

UNIT III USING R FO RANALYSIS OF DATA

(12 HRS)

UsingRforAnalysisofData

Quick introduction to R and Python, understanding data in finance, sources of data, Using Rforanalysisofdata.

UNIT IV CASH FLOW CONCEPTS

(12

HRS)

Cash flow statement - Prepare and Analyse, Modelling and forecasting of financial statement.

UNIT V CAPITAL BUDGETING

(12HRS)

NPV, IRR – Concept, application, and issues, Use of real options for better financial outcomes.

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Capital Asset Pricing Model: solution to its Inadequacies - Work of Multi-level marketing in different economies around the world - Improvement on Electronic Payments - Blockchain in Finance Services or Fintech

TEXT BOOKS:

- 1. GaryKoop, "AnalysisofEconomicData", 4th Edition, Wiley, USA.
- 2. David Ruppert, David S. Matteson, "Statistics and Data Analysis for Financial Engineering:withRexamples", Springers, USA.

REFERENCES

- 1. Ang Clifford, "Analyzing Financial Data and Implementing Financial Models Using 'R", Springers, USA.
- 2. WayneL.Winston, "MicrosoftExcel2013:DataAnalysisa ndBusinessModeling", MicrosoftPublishing,USA

Digital Open Educational Resources (DOER):

- $1. \qquad https://personal.ntu.edu.sg/nprivault/MH8331/financial_risk_analytics.pdf$
- 2. https://dynamics.microsoft.com/en-us/finance/what-is-financial-analytics/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1	StatisticalConcepts			
1.1	Probability	3	Lecture	PPT &White board
1.2	Normal, Lognormal distribution properties	2	Lecture	White board
1.3	Decision making under uncertainty	2	Lecture	PPT & White board
1.4	Cleaning and pre-processing financial data	3	Lecture	PPT &White board
1.5	Exploratory Data Analysis in Finance.	2	Lecture	White board
UNIT -2	SimpleLinearModels			
2.1	Use of Regression in Finance	4	Lecture	Green Board Charts
2.2	Building Models using Accounting Data	4	Chalk & Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
2.3	Understanding stockpricebehaviour	4	Chalk & Talk	Black Board
UNIT -3	UsingRforAnalysisofData			
3.1	Quick introduction to R and Python	3	Lecture	Green Board Charts
3.2	understanding data in finance	3	Chalk & Talk	Black Board
3.3	sources of data	3	Chalk & Talk	Black Board
3.4	Using Rforanalysisofdata.	3	Chalk &Talk	Black Board
UNIT -4	CashFlowConcepts			
4.1	Cash flow statement	4	Lecture	Green Board Charts
4.2	Prepare and Analyse	4	Chalk & Talk	Black Board
4.3	Modelling and forecasting of financial statements	4	Chalk & Talk	Black Board
UNIT -5	CapitalBudgeting			
5.1	NPV, IRR	3	Lecture	Green Board
5.2	NPV, IRR application	3	Chalk & Talk	Black Board
5.3	NPV, IRR issues	3	Chalk & Talk	Black

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
				Board
5.4	Use of real options for better financial outcomes	3	Chalk & Talk	Black Board
UNIT -VI	DYNAMISM			
6.1	Capital Asset Pricing Model: solution to its Inadequacies - Work of Multi-level marketing in different economies around the world	2	Seminar	PPT
6.2	Improvement on Electronic Payments - Blockchain in Finance Services or Fintech	2	Seminar	PPT

	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	
Levels	Seminar	Better of W1, W2	M1+M2	MID- SEM TEST				% of Assessm
	5 Mks.	5Mks.	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks.	
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5
K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%
Non Scholastic	-	-	-	-	9		9	22.5
Total	5	5	10	15	35	5	40	100 %

CIA			
Scholastic	35		
Non Scholastic	5		
	40		

SCHOLASTIC			NON - SCHOLASTIC		MARK	(S		
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			Nos		
C1	=	Test (CIA 1)	1	-	10 Mks
C2		Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	2 *	-	5 Mks
C4		Open Book Test/PPT	2 *	-	5 Mks
C5	-	Seminar	1	-	5 Mks
C6	-	Attendance		-	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Analysedecisionsunderuncertaintyandalsoanalyseexploratory

CO 2	Build models using accounting data and analyse using regression and time seriestools
CO 3	ApplyRandpythonprogramming
CO 4	Estimateandanalysefinancialstatementsusingcashflowstatements
CO 5	Selectappropriatecapitalbudgetingtechniquesfordecisionmaking

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06
CO1	3	3	1	3	3	2
CO2	3	3	1	3	3	2
соз	3	3	1	3	3	2
CO4	3	3	1	3	3	2
CO5	3	3	1	3	3	2

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

♦ Weakly Correlated -1

COURSE DESIGNER:

Mrs.N.Muthulakshmi

Forwarded By

P Sakunthala Dr.P. Sakunthala

/

I M.Com CA SEMESTER -II ELECTIVE -IV B

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
PSCC	23PG2KE8	MANAGEMENT INFORMATION SYSTEM	Theory	4	3

COURSE DESCRIPTION

To understand the concept of design and implementation of Management Information System and enhance knowledge in Enterprise Resource Planning .

COURSE OBJECTIVES

- 1. To understand the basic concept of Information system
- 2. To identify the importance of MIS

- 3. To understand the Functional Management Information System
- 4. To learn the role of system analyst
- 5. To apply the concept of Enterprise Resource Planning

UNIT I INFORMATION SYSTEM

(12

HRS)

Introduction to information system - Management - Structure and Activities - Information needs and sources - Types of management decisions and information need - System classification - Elements of system, input, output, process and feedback.

UNIT II TYPES OF MANAGEMENT INFORMATION SYSTEMS (12 HRS)

Transaction Processing Information System - Information system for managers - Intelligence information system - Decision support system - Executive information systems.

UNIT III FUNCTIONAL MANAGEMENT INFORMATION SYSTEMS (12 HRS)

Functional Management Information System: Production Information system - Marketing Information Systems - Accounting Information System -Financial Information System - Human Resource Information System.

UNIT IV SYSTEM DESIGN AND DATABASE (12 HRS)

System Analysis and Design: The work of a system analyst - SDLC- System design - Requirement janalysis - Data flow diagram - Relationship diagram - Design - Implementation - Evaluation and maintenance of MIS - Database System: Overview of Database - Components - Advantages and disadvantages of database.

UNIT V ENTERPRISE RESOURCE PLANNING

(12 HRS)

Enterprise Resource Planning (ERP) System - Benefits of the ERP - How ERP is different from conventional packages - Need for ERP - ERP components - Selection of ERP Package - ERP implementation - Customer Relationship management - Organisation & Types - Decision Making - Data & information

- Characteristics & Classification of information Cost & value of information
- Various channels of information and MIS

UNIT -VI DYNAMISM (Evaluation Pattern - CIA only)

Cloud BPM - Business intelligence - MIS to business - Data preservation - Investigating the Mediating Effect of Business-IT Alignment

TEXT BOOKS:

- 1. Azam, M (2012), "Management Information System", McGrawHill Education, Noida.
- 2. Laudon, K., Laudon, J. and Dass, R. (2010), "Management Information Systems Managing the Digital Firm", 11th Edition, Pearson, Noida.
- 3. Murdick, R.G., Ross, J.E. and Claggett, J.R. (2011), "Information Systems for Modern Management", 3rd Edition, PHI, New Delhi.

REFERENCES

- 1. O'Brien, J.A., Morakas, G.M. and Behl, R. (2009), "Management Information Systems", 9th Edition, Tata McGraw-Hill Education, Noida.
- 2. Saunders, C.S. and Pearson, K.E. (2009), "Managing and Using Information Systems", 3rd Edition, Wiley India Pvt. Ltd., New Delhi.
- 3. Stair, R. and Reynolds, G. (2012), "Information Systems", 10th Edition, Cengage Learning, Noida.

Digital Open Educational Resources (DOER):

- 1. https://cleartax.in/g/terms/mis-meaning-mis-full-form-marketing-information-system/amp
- 2. https://www.techtarget.com/searchitoperations/definition/MIS-management-information-systems

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
	UNIT -1 Informati	ion System		
1.1	Introduction to information system – Management	3	Lecture	PPT & White board
1.2	Structure and Activities - Information needs and sources	3	Lecture	White board
1.3	Types of management decisions and information need- System classification	3	Lecture	PPT & White board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
1.4	Elements of system, input, output, process and feedback	3	Lecture	PPT & White board
UNIT -2	Types of Management Informatio	n Systems		
2.1	Transaction Processing Information System	2	Lecture	Green Board Charts
2.2	Information system for managers	2	Chalk & Talk	Black Board
2.3	Intelligence information system	3	Chalk & Talk	Black Board
2.4	Decision support system	2	Chalk &Talk	Black Board
2.5	Executive information systems	3	Lecture	Green Board Charts
UNIT -3	Functional Management Informa	tion System	ms	
3.1	Functional Management Information System	2	Lecture	Green Board Charts
3.2	Production Information system	3	Chalk & Talk	Black Board
3.3	Marketing Information Systems	2	Chalk & Talk	Black Board
3.4	Accounting Information System	3	Chalk & Talk	Black Board
3.5	Financial Information System	2	Chalk & Talk	Black Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
3.6	Human Resource Information System.	5	Chalk & Talk	Black Board
UNIT -4	System design and Database			
4.1	System Analysis and Design: The work of a system analyst - SDLC	1	Lecture	Green Board Charts
4.2	System design – Requirement analysis - Data flow diagram	2	Chalk & Talk	Black Board
4.3	Relationship diagram	2	Chalk & Talk	Black Board
4.4	Design -Implementation - Evaluation and maintenance of MIS	3	Chalk & Talk	Black Board
4.5	Database System: Overview of Database – Components	2	Chalk & Talk	Black Board
4.6	Advantages and disadvantages of database.	2	Chalk & Talk	Black Board
	UNIT -5 Enterprise Resour	ce Planning	g	
5.1	Enterprise Resource Planning (ERP) System	1	Lecture	Green Board
5.2	Benefits of the ERP - How ERP is different from conventional packages - Need for ERP - ERP components	2	Chalk & Talk	Black Board
5.3	Selection of ERP Package - ERP implementation	1		Black Board

Module No.	Торіс	No. of Lectures	Teaching Pedagogy	Teaching Aids
5.4	Customer Relationship management - Organisation & Types -Decision Making - Data & information	3	Chalk & Talk	Black Board
5.5	Characteristics & Classification of information	2	Chalk & Talk	Black Board
5.6	Cost & value of information - Various channels of information and MIS	3	Chalk & Talk	Black Board
UNIT -VI	DYNAMISM			
6.1	Cloud BPM - Business intelligence - MIS to business - Data preservation - Investigating the Mediating Effect of Business-IT Alignment	2	Seminar	РРТ

	C1	C2	C3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
К2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
K5	-	-	3	5	9		9	22.5%

Non Scholasti c	-	-	1	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

SCHOLASTIC				NON - SCHOLASTIC		MARK	S	
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			No	s		
C1	-	Test (CIA 1)		1	-	10 Mks
C2	-	Test (CIA 2)		1	-	10 Mks
C3	-	Assignment		2 *	-	5 Mks
C4	-	Open Book Test/PPT		2 *	-	5 Mks
C5	_	Seminar		1	_	5 Mks
C6	_	Attendance			_	5 Mks

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Identify the basic concept of Information system
CO 2	Discuss the importance of MIS
CO 3	Explain the functional MIS
CO 4	Describe the role of system analyst
CO 5	Apply the concept of Enterprise resource planning

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06
CO1	1	1	2	2	1	2
CO2	2	2	2	2	1	2
соз	3	3	3	3	1	2
CO4	3	3	3	3	2	3
CO5	3	3	3	3	2	3

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

♦ Weakly Correlated -1

COURSE DESIGNER:

Mrs.N.Muthulakshmi

Forwarded By

P Somethala

Dr.P.Sakunthala

I M.Com CA SEMESTER -II

For those who joined in 2023 onwards

PROGRAM ME CODE	COURSE CODE	COURSE TITLE	CATEGO RY	HRS/WEEK	CREDITS
		FINANCIAL	PRACTICA		
PSCC	23PG2KAE	ACCOUNTING &	LS	2	4
		TALLY			

COURSE DESCRIPTION

This course is designed to equip students with current developments in small and medium business ,assisting companies with their accounting needs.

COURSE OBJECTIVES

Provide students to impart knowledge regarding concepts of Financial Accounting Tally is an accounting package which is used for learning to maintain accounts.

UNIT 1: INTRODUCTION

(9 HRS)

Introduction-Financial Accounting-Golden rules of accounting-Concepts and Conventions-Creation of a company –creating groups and ledger- Display of Trial Balance

UNIT II: ACCOUNTING VOUCHER

(9 HRS)

Creating accounting voucher for purchase, sales, debit note, credit note, Receipt&payment voucher.

UNIT III: TALLY INVENTORY

(9 HRS)

Inventory masters – Important housekeeping – creating, displaying &Altering, stock groups and stock categories

UNIT IV: INVENTORY REPORTS

(9 HRS)

Interest calculation, Cost centre Cost category, stock group summary

UNIT V:BILL WISE DETAILS

(9 HRS)

Bill-wise details – Interest calculation-Activate Bill wise processing – Display outstanding statements advance

Text Book:

- 1.Advanced Accountancy, T.S.Reddy&A.Murthy, Margham publications, 1st edition, 2007
- 2.K.K.Nadhani, Accounting With Tally, Bpb Publications, 2017.

	C1	C2	С3	C4	Total Scholasti c Marks	Non Scholasti c Marks C5	CIA Total	
Levels	Semina r	Better of W1, W2	M1+M 2	MID - SEM TES T				% of Assessmen t
	5 Mks.	5Mks	10 Mks	15 Mks	35 Mks.	5 Mks.	40Mks	
K2	5	-	-	2 ½	-		-	-
К3	-	5	4	2 ½	5		5	12.5 %
K4	-	-	3	5	12		12	30 %
К5	-	-	3	5	9		9	22.5%
Non Scholasti c	-	-	-	-	9		9	22.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

SCHOLASTIC					NON - SCHOLASTIC		MARK	(S
C1	C2	С3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• PG CIA Components

			Nos	Nos			
C1	- To	est (CIA 1)		1	-	10 Mks	
C2	- To	est (CIA 2)		1	-	10 Mks	
C3	- As	ssignment		2 *	-	5 Mks	
C4	- O	pen Book Test/PPT		2 *	-	5 Mks	
C5	- S	eminar		1	-	5 Mks	
C6	- A1	ttendance			_	5 Mks	

^{*}The best out of two will be taken into account

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES
CO 1	Create companies using Tally ERP
CO 2	Use features effectively and navigate between functional keys
CO 3	Create vouchers and invoices and use GST in preparing taxable invoices
CO 4	Conduct financial statements analysis, using MIS
CO 5	Help organizations in extracting inventory information

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	РО3	PO4	PO5	P06
CO1	3	2	3	2	3	3
CO2	3	3	3	3	2	3
CO3	3	2	3	2	2	2
CO4	3	3	3	2	3	3
CO5	3	3	3	3	3	3

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

♦ Weakly Correlated -1

COURSE DESIGNER:

Dr.P.Sakunthala

Forwarded By

P sakuntha la Dr.P. Sakunthala