

FATIMA COLLEGE (AUTONOMOUS), MADURAI - 625012
THE MINUTES OF THE BOARD OF STUDIES
DEPARTMENT OF COMPUTER APPLICATIONS [BCA & PGDCA]
TO BE IMPLEMENTED FROM 2023-2024 ONWARDS

The board of Studies meet for Framing the Syllabus for Department of Computer Applications [BCA & PGDCA] was held on 03.04.2023 at 10.00 Am.

The members of the board were,

UNIVERSITY NOMINEE (BCA):

Dr. K. SUNDARAVADIVELU,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER SCIENCE,
MADURAI KAMARAJ UNIVERSITY,
MADURAI.

K. Sundaravadivelu
3/4/2023

UNIVERSITY NOMINEE (PGDCA):

Dr. R. RATHINASABAPATHY,
ASSOCIATE PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
SCHOOL OF INFORMATION TECHNOLOGY,
MADURAI KAMARAJ UNIVERSITY,
MADURAI.

R. Rathinasabapathy
3/4/2023

SUBJECT EXPERT :

Dr. M. PUSHPARANI,
PROFESSOR & HEAD,
DEPARTMENT OF COMPUTER SCIENCE,
MOTHER TERESA UNIVERSITY,
RESEARCH EXTENSION CENTRE,
MADURAI.

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3/4/2023

SUBJECT EXPERT :

Mr. V. NEETHIDEVAN,
ASSISTANT PROFESSOR,
DEPARTMENT OF MCA,
MEPCO ENGINEERING COLLEGE,
SIVAKASI.

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INDUSTRIALIST :

Dr. S. BALAMURUGAN,
MANAGING DIRECTOR,
ESHA TECHNOLOGIES,
MADURAI.

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ALUMNA :

Ms. A. DIVYASRI,
SOFTWARE DEVELOPER,
BRICKSTEEL TECHNOLOGIES PVT LTD,
MADURAI-16

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3.4.23

STAFF MEMBERS :

Ms. S. SELVARANI,
ASSISTANT PROFESSOR & HEAD,
DEPARTMENT OF COMPUTER APPLICATIONS,
FATIMA COLLEGE,
MADURAI - 18.

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Ms. RANIYA, R,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
FATIMA COLLEGE,
MADURAI - 18.

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Ms. J. AROCKIA JACKULINE JONI,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
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MADURAI - 18.

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Ms. K. P. MAHESWARI,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
FATIMA COLLEGE,
MADURAI - 18.

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Ms. P. RENGIANAYAGI,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
FATIMA COLLEGE,
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DEAN OF ACADEMIC AFFAIRS :



Dr. K. SANGEETHA,
ASSISTANT PROFESSOR,
DEAN OF ACADEMIC AFFAIRS,
FATIMA COLLEGE,
MADURAI - 18

In the beginning of the meeting the Head of the Department Ms. S. Selvarani welcomed all the members of the board and briefed them about the current updations and progress of the department.

The members of the board expressed their high appreciation and satisfaction about the department.

Action Taken Report for 2022-2023

Sl. No.	COMMON SUGGESTIONS OFFERED IN THE PREVIOUS BOARD	ACTION TAKEN FOR THE ACADEMIC YEAR 2021-2022
1.	The Non-Major Elective courses, 21JINME and 21J2NME - Animation Tools and Techniques was introduced for other major students.	To develop animation techniques and create motion movies using Alice.
2.	The Self Learning course 21J2SL1 - Open Source Animation Tools was introduced for the first-year BCA students.	To develop animation techniques and create motion movies using Alice.
3.	The Self Learning course 21J4SL192 Content Writing and Video Making was introduced for the second-year BCA and JMC students.	To create appropriate content while designing webpages and enhance the ability to develop creative videos.
4.	The Self Learning course 21J6SL16 Data Science was introduced for the final-year BCA and IT students.	To know about 'R' Language that is widely used to do analysis and focus on research.
For Diploma		
5.	The lab course 21PDB106 - Design Techniques was introduced.	To get skill in designing and to improve employability skills.
6.	The course 21PDB202 - Python Programming was introduced.	To gain knowledge in python programming and to create real time applications.

Minutes of The Board of Studies

CORE COURSES INTRODUCED (PART-III)

S. No.	Course Code	Course Title with Semester	Relevance To *				Scope for #			Need for Introduction
			L	R	N	G	Emp	En	S	
1.	23J1CC1	Object Oriented Programming Concepts using C++				*	#		#	All courses are introduced as per the TANSICHE syllabus
2.	23J1CC2	C++ Programming (Pr)				*	#		#	
3.	23J2CC3	Python Programming				*	#			To gain knowledge in Realtime applications of python
4.	23J2CC4	Python Programming (Pr)				*	#			
5.	23J3CC5	Operating Systems				*			#	
6.	23J3CC6	Relational DataBase Management System (Pr)				*	#			To gain knowledge on online Query executors.
7.	23J4CC7	Data Structures				*	#		#	
8.	23J4CC8	Web Designing (Pr)				*	#			
9.	23J5CC9	Java Programming				*	#			To meet the current trends

10.	23J5CC10	Java Programming (Pr)	*	#					
11.	23J5CC11	Software Engineering	*	#					To create dynamic projects & Applications
12.	23J5CC12	Project with Viva Voce	*	#	#				
13.	23J6CC13	R Programming	*	#	#				To know about R-libraries and implement in projects
14.	23J6CC14	R Programming (Pr)	*	#	#				
15.	23J6CC15	Computer Networks	*	#					

ELECTIVE COURSES INTRODUCED (PART-II)

S. No.	Generic/ Discipline Specific	Course Code	Course Title	Relevance To				Scope For			Need for Introduction
				L	R	N	G	Em P	En ter	S D	
1.	Generic	23J1EC1G1	Programming in C				*	#	#		To meet the future trends of object oriented programming
2.	Generic	23J2EC2G2	Object Oriented Programming in C++				*	#	#		
3.	Generic	23J3EC3A3	Data Analysis using Spread Sheet				*	#	#		To create awareness on Analysis

4.	Generic	23J4EC4J14	Web Security	*	#	To get awareness on security practices
5.	Discipline Specific	23J5EC51/ 23J5EC52/ 23J5EC53	Security Practices/ Data Mining/ Cloud Computing	*	#	
6.	Discipline Specific	23J5EC61/ 23J5EC62/ 23J5EC63	Dot Net Programming/ Android Programming/ UAX Framework Design	*	#	To know about the latest Framework designs
7.	Discipline Specific	23J6EC71/ 23J6EC72/ 23J6EC73	Human Computer Interaction/ Internet of Things/ Mobile Computing	*	#	To incorporate AI trends and tools
8.	Discipline Specific	23J6EC81/	Open Source Tools	*	#	To use free and public license tools

Skill Enhancement / Foundation / Ability Enhancement Course (Part-IV)

S. No.	SEC/FC/AECC	Course Code	Course Title	Relevance To *					Scope For #			Head for Introduction
				L	R	N	G	E	In	S	D	
1.	SEC	23J1SEC1	Animation Tools And Techniques (Lab)					*				To learn about animations
2.	FC	23J1FC	Problem Solving Using C (Lab)					*				To prepare for competitive Exams.
3.	AECC	23J1AECC1	Non Verbal Reasoning					*				
4.	SEC	23J2SEC2	Animation Tools And Techniques (Lab)					*				To learn and work on frames Audio & video processing.
5.	SEC	23J2SEC3	Animation Techniques (Lab)					*				
6.	AECC	23J2AECC2	Verbal Reasoning					*				
7.	SEC	23J3SEC4	Spread Sheet (Lab)					*				To work on Analysis
8.	SEC	23J3SEC5	Photo Editing Techniques (Lab)					*				To create and edit images

9.	AECC	23J3AECC3	Technical Interview Skills	*	To prepare with the skills to face interview
10.	SEC	23J4SEC6	E-Content Creation	*	
11.	SEC	23J4SEC7	Linux (Lab)	*	To get about open source Software
12.	AECC	23J4AECC4	Non-Technical Interview Skills	*	To train the students and create
13.	SEC	23J6SEC8	Problem Solving Skills	*	problem Solving awareness

1. Introduction of Value-Added Course - Certificate / Diploma / Advanced

Diploma

S. No.	Course Code	Course Title	MoU with Industry / Organisation	Skill Sharpened	Course Outcome
	NIL				

2. Introduction of Purely Skill-Embedded Certificate / Diploma / Advanced

Diploma Course

S. No.	Course Code	Course Title	MoU with Industry / Organisation	Skills Sharpened	Course Outcome
	NIL				

Revision Of Courses

S. No.	Course Code	Course Title	No. & Title of Units Revised with The Revised Content		% of Revision	Need For Revision	Relevant To *					Scope For #	
			specified if it is not the whole unit				L	R	N	G	Em	Enr	S
1.	19J3CC6	Lab in Relational Database Management System	Include Lab programs based on DDL, DML & DCL Queries, PL/SQL programming concepts which comprises of a minimum of 15 Lab Exercises.		10%	To get deeper knowledge in the Database Concepts						#	#
2.	19J4CC8	Lab in Web Programming	Include Lab programs based on Scripting, CSS and PHP Server side Programming which comprises of a minimum of 15 Lab Exercises.		10%	To expertise in the concept of creating dynamic web pages.						#	#
3.	19J5CC9	Software Engineering	IV & V - Testing was given as a separate unit which comprises of Online &		10%	To acquire knowledge about Software						* #	

			Manual Testing Tools.	Testing		
4.	19J50012	Lab in Dot Net Programming	Programs related to dynamic Website Creation using VB.Net & ASP.Net which comprises of 15 Lab programs.	10%.	To expertise in the Concept of Dynamic WebPages.	* #
5.	19J619E5	Internet of Things	Domain specific IoT concepts are added and Machine To Machine ideologies are implemented	70%.	To adapt to the latest Technologies	* #
6.	19J619E6	Human Computer Interaction	Latest Searching Algorithms are replaced with the existing algorithms and concept of Virtual Reality are implemented.	65%.	To get knowledge on Current Algorithms.	* #

For Diploma:

S. No.	Course Code	Course Title	No. & Titles of Units Revised with the Revised Content specified if it is not the whole unit.	%. Revision	Need For Revision	Scope For				Scope For			
						L	R	N	G	E n r	E m p	S D	
1.	19RDB102	Problem Solving Using C	IV & V - Object Oriented Programming in C++ Concept of classes, objects, Inheritance will be included	20%	To gain the knowledge of OOPS concepts					*	#	#	
2.	19RDB104	Lab-I Programming in C	Object Oriented Programming concepts with class, objects, Inheritance Exercises will be included	20%	To gain knowledge in OOPS Concept					*		#	
3.	19RDB103	Web Designing	Include PHP with DataBase Programming	10%	To acquire knowledge about Dynamic Web pages					*		#	
4.	19RDB105	Lab-II Web Programming	Include lab programs based on scripting, CSS and PHP server side Programming.	10%	To acquire knowledge about Dynamic Web Pages.					*		#	

Other Suggestions:

1. Computer Fundamentals & Architecture can be given as sepetate course.
2. Data Mining & Human Computer Interaction courses can be replaced by Digital Principles and Computer Organization.
3. Open Source Tools can be included for programming concepts.
4. Minimum of 15 lab exercises can be included for practical courses.

Commandations:

1. Python can be shifted to II year C II or IV Semester.
2. Frameworks like React / Angular JS etc. can be included in web designing.
3. For Software Engineering course Roger. S. Pressman book can be followed. Testing Manual Automated Tools can be included.
4. Online courses like MOOC, SWAYAM, NPTEL. Courses should be completed by the students.
5. Text Books utilization to be given for all courses.

1. Dr. K. SUNDARAYADIVELU

K. Sundar
3/4/2023

2. Dr. R. RATHINASABAPATHY

R. Rathina
3/4/2023

3. Dr. M. PUSHPARANI

M. Pushpa
3/4/2023

4. Mr. V. NEETHIDEVAN

V. Neethi
2-4-23

5. Dr. S. BALAMURUGIAN

S. Bala
3/4/23

6. Ms. A. DIVYASRI

A. Divya
3.4.23

7. Ms. S. SELVARANI

S. Selva
3/4/23

8. Ms. RAMYA. R

R. Ramya
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9. Ms. J. AROCKIA JACKULINE JONI

J. Arockia
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10. Ms. K. P. MAHESWARI

K. P. Maheswari
3/4/23

11. Ms. P. RENGHANAYAGI

P. Rengha
3/4/23

12. Dr. K. SANGEETHA
DEAN OF ACADEMIC AFFAIRS

K. Sangeetha