FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with "A" Grade by NAAC (3rd Cycle)
74th Rank in India Ranking 2021 (NIRF) by MHRD
Maryland, Madurai- 625 018, Tamil Nadu, India

NAME OF THE DEPARTMENT: COMPUTER APPLICATIONS

NAME OF THE PROGRAMME : PGDCA

PROGRAMME CODE : OSCA

ACADEMIC YEAR : 2021-2022

FATIMA COLLEGE (AUTONOMOUS), MADURAI - 625018

THE MINUTES OF THE BOARD OF STUDIES

DEPARTMENT OF COMPUTER APPLICATIONS (BCA & PGDCA)

TO BE IMPLEMENTED FROM 2021-2022 ONWARDS

The board of Studies meet for framing the Syllabus for Department of Computer Applications (BCA & PGDCA) Was held on 09-04-2021 at 2.00pm

The members of the board were,

UNIVERSITY NOMINEE (BCA) :

Dr. M. RAMAKRISHNAN,
PROFESSOR & HEAD CHAIR PERSON,
DEPARTMENT OF COMPUTER APPLICATIONS,
SCHOOL OF INFORMATION TECHNOLOGY,
MADURAI KAMARAJ UNIVERSITY,
MADURAI.

UNIVERSITY NOMINEE (PGDCA) :

DR. M. RAMASWAMI,
PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
SCHOOL OF INFORMATION TECHNOLOGY,
MADURAI KAMARAJ UNIVERSITY,
MADURAI.

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

Dr. G. PREETHA
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS
FATIMA COLLEGE,
MADURAI – 18

Ms. R. RAMYA,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS
FATIMA COLLEGE,
MADURAI – 18.

Ms. J. AROCKIA JACKULINE JONI,
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER APPLICATIONS,
FATIMA COLLEGE
MADURAI – 18

Ms. A. PUNITHA ROSLINE
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER APPLICATIONS,
FATIMA COLLEGE
MADURAI – 18

SUBJECT EXPERT :

DR. S. SHAJUN NISHA,
ASSISTANT PROFESSOR & HEAD,
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIEN
SADAKATHULLA APPA COLLEGE,
RAHMATH NAGAR,
TIRUNELVELI.

SUBJECT EXPERT :

DR. S. PADMAVATHI,
PROFESSOR,
DEPARTMENT OF INFORMATION TECHNOLOGY,
THIAGARAJAR COLLEGE OF ENGINEERING,
MADURAI - 625 015

INDUSTRIALIST :

MS. A. DIVYA SRI,
SOFTWARE DEVELOPER,
BSE TECH PVT LTD
MADURAI - 16

ALUMNA :

1. MS. R. G. SOBITHA,
BUSINESS MANAGER,
BSE TECH PVT LTD,
MADURAI - 16

MS. S. REENA
D/O. P. SATHURU SANGARA
143, OLD TVS ROAD
THENI - 625531

DEAN OF ACADEMIC AFFAIRS:

MS. A. MABLE JASMINE SHOBA

A. Mable Jasmine Shoba

In the beginning of the meeting the H
Of the Department Ms. SELVARANI welcomed all
members of the board and briefed them ab
the progress of the Department.

The members of the board expressed
high appreciation of satisfaction about the
courses.

Action Taken Report For 2020 – 2021

S.No	Common Suggestions Offered in The Previous Board	Action Taken For The Academic Year 2020 - 2021
1.	The Skill based Course 19J4SB2 - Financial Accounting Software package Tally can be replaced with Quantitative Aptitude in order to help them be prepared well for their placements.	Quantitative Aptitude Course was introduced as skill based.
2.	19J6ME6 - Software Testing Can be replaced with Human Computer Interaction.	Human Computer Interaction Course was replaced instead of Software Testing & few components from Software Testing was included along with Software Engineering.
3.	To extend the time duration of the internship program.	The time duration of 10 hours for the Internship program has been extented to one month.

DEAN OF ACADEMIC AFFAIRS:

MS. A. MABLE JASMINE SHOBA

I. Mable Jasmine Shoba.

In the beginning of the meeting the He
of the Department MS. SELVARANI welcomed all
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the progress of the Department.

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high appreciation of satisfaction about the
courses.

CHANGE OF COURSE TITLE - 2020 – 2021

S.NO	OLD COURSE CODE	NEW COURSE CODE	OLD COURSE TITLE	NEW COURSE TITLE	NEED FOR CHANGE
1.	19J3SB1	19J3SB1	SKILL BASED - II QUANTITATIVE APTITUDE	SKILL BASED - II DATA INTERPRETATION AND REASONING	To make the students concentrate more on data interpretation and reasoning.
2.	19PDB101	21PDB101	COMPUTER FUNDAMENTALS AND OS	COMPUTER FUNDAMENTALS	Suggested by the board members.
3.	19PDB105	21PDB102	LAB - II WEB PROGRAMMING AND PHOTO EDITING TECHNIQUE.	LAB - II WEB PROGRAMMING.	To get more knowledge in web development skills and photo editing techniques can be given as a separate course.

NEW COURSES INTRODUCED - (2020-2021)

S.NO	COURSE CODE	COURSE TITLE	RELEVANCE TO *			SCOPE FOR #				NEED FOR INTRODUCTION
			L	R	N	G	EMP	ENTRE	SD	
1	19AC3ACJ3	PRINCIPLES OF FINANCIAL ACCOUNTING AND ACCOUNTING PACKAGE				*	#	#	#	To get expertise in Tally.
2	19J3SB1	SKILL BASED-I QUANTITATIVE APTITUDE				*	#		#	To train Students for Competitive examinations.
3	19J4SB2	SKILL BASED - II DATA ANALYSIS USING SPREADSHEETS				*	#		#	To learn advanced Concepts in Spread sheets.
4	19J5SB4	SKILL BASED - IV LAB IN E-CONTENT DEVELOPMENT				*	#	#	#	To promote content generation, adaptation and distribution of e-content through electronic media.

NEW COURSES INTRODUCED - (2020-2021)

S.NO	COURSE CODE	COURSE TITLE	RELEVANCE TO *			SCOPE FOR #				NEED FOR INTRODUCTION
			L	R	N	En	EMP	ENTRE	SD	
1	19J6ME3	SECURITY PRACTICES				*	#		#	To examine the security issues and practices along with the encryption techniques.
2	19J6ME5	INTERNET OF THINGS (IOT)				*	#	#	#	To connect things to the Internet which provide many advantages and also to understand the characteristics of IoT
3	19J6ME6	HUMAN COMPUTER INTERACTION				*			#	To provide the most fundamental knowledge about Artificial Intelligence, fuzzy logic and virtual Reality.

REVISED COURSES - (2020 - 2021)

S.No	COURSE CODE	COURSE TITLE	NO & TITLE OF UNITS REVISED WITH THE REVISED CONTENT SPECIFIED IF IT IS NOT THE WHOLE UNIT	% OF REVISION	NEED FOR REVISION	RELEVANCE TO *				SCOPE FOR #		
						L	R	N	G	EMP	ENTRE	SD
	NIL											

1. Open Educational Resources are included in the curriculam.

2. ## REVISION OF COURSES

S.No	COURSE CODE	COURSE TITLE	NO & TITLE OF UNITS REVISED WITH THE REVISED CONTENT SPECIFIED IF IS NOT THE WHOLE UNIT	% OF REVISION	NEED FOR REVISION	RELEVANCE TO *				SCOPE FOR #		
						L	R	N	G	EMP	ENTRE	SD
	NIL											

3. NEW COURSES INTRODUCED - (2021-2022)

S.NO	COURSE CODE	COURSE TITLE	RELEVANCE TO *				SCOPE FOR #			NEED FOR INTRODUCTION
			L	R	N	G	EMP	ENTRE	SD	
1.	21JINME	NON MAJOR ELECTIVE- ANIMATION TOOLS AND TECHNIQUES				*	#	#	#	To develop programming skills and impart animation techniques and motion movies.
2.	21J2NME	Non major Elective - ANIMATION TOOLS AND TECHNIQUES				*	#	#	#	To develop programming skills and impart animation techniques and motion movies.
3.	21J1SL1	OPEN SOURCE ANIMATION TOOLS				*	#	#	#	To develop programming skills and impart animation techiniques and motion movies.
4.	21J2SL Jm2	CONTENT WRITING AND VIDEO				*	#	#	#	To create content while designining web pages and working on videos.
5.	21J3S LST3	STATISTICS USING R				*	#		#	To know about R language that is widely used among Statisticians and data miners for developing statistical software.

S.NO	COURSE CODE	COURSE TITLE	RELEVANCE TO*				SCOPE! FOR #			NEED FOR INTRODUCTION
			L	R	N	G	EMP	ENTRE	SD	
6.	21J4SL ST4	STATISCAL DATA SCIENE USING PYTHON				*	#	#	#	To build complex analysis that mix Statistics with image analysis or text mining using python which is an invaluable asset.
7.	21J5SL AC5	EMERGING TRENDS AND TECHNOLOGIES				*	#		#	To know about the latest technologies that helps to work on apps and social Network.
8.	21J6SL I6	DATA SCIENCE				*	#	#	#	To know about R language that is widely used to do analysis and focus on research.
9.	21PDB 106	LAB - III DESIGN TECHNIQUES				*	#	#	#	To improve employability skills.
10.	21PDB 202	PYTHON PROGRAMMING				*	#			To gain knowledge in real time applications.

4. Introduction of purely Skill - Embedded Certificate/ Diploma / Advanced Diploma Value - Added Course other than the Value - Added Course that is already being offered.

S.NO	COURSE CODE	COURSE TITLE	MOU with INDUSTRY/ ORGANISATION	SKILLS SHARPENED	COURSE OUTCOME
1.	19UBVAJ1	CRASH COURSE ANDROID APPLICATION DEVELOPMENT		programming Skills, App development and web Embedding	This Course provides knowledge on mobile application & the coding aims at developing applications using Android.
2.	19UBVAJ2	CRASH COURSE E - CONTENT DEVELOPMENT		creating effective and interactive content, use current tools for creating E-Content	To identify the multimedia principles and elements for E-learning. To understand the techniques to create customized lessons. To work on the audio and video editing tools.

5. Approval of Ph.D course work Syllabus - NIL

6. Rubrics for Internship / project

S.No	C1 20 MKS	C2 20 MKS	CIA Total 40mks	External 60 MKS
1.	Synopsis & module Description - 10 Demonstration of project - 10	PPT & Doument preparation - 10 Testing & Validation - 10	Synopsis & Module Description - 10 Demonstration of project - 10 PPT & Doument preparation - 10 Testing & validation - 10	PPT presentation - 10 Demonstration - 20 Viva-Voce - 20 Project Doument - 10
2.	Internship Daily Report - 20	Attendance - 10 performance - 10	Internship daily Report - 20 Attendance - 10	Decision of the Company.

Details of Proposed / signed Mous

- L - Local
- R - Regional
- N - National
- G - Global

- Employability
- Entrepreneurship
- Skill Development.

Suggestions:

* For BCA & PGDCA, In Web programming latest technologies like JQueries can be included.
* For Network Security and RDBMS Open Source tools can be used.
* Web programming and photo editing techniques

lab can be given separately.

* Students can be motivated and encouraged to take Swayam Courses.

COMMENDATIONS :

* QUANTITATIVE APTITUDE paper can be replaced with DATA INTERPRETATION & LOGICAL REASONING.
* The title of the paper "Computer Fundamentals and OS" is to be modified as "Computer Fundamentals".
* Excel and Weka lab can be replaced as Design Techniques lab.
* Instead of Visual basic theory and practical, Python Programming and Python lab can be introduced.

* The External Examiners name lists were passed and the board members are satisfied with the name list.

* The detailed syllabus, textbooks, reference books, and OER to be followed were also discussed with the board members.

* The meeting ended with vote of thanks by Dr. Gn. Preetha.

1. Dr. M. Ramakrishnan

2. Dr. M. Ramaswami

3. Dr. S. Shajun Nisha

4. Dr. S. Padmavathi

5. Ms. A. Divya Sri

6. Ms. R. G. Sobitha

7. Ms. S. Reena

8. Ms. S. Selvarani Sselvarani

9. Dr. G. Preetha

10. Ms. R. Ramya

11. Ms. J. Arockia Jackuline Joni

12. Ms. A. Punitha Rosline

FATIMA COLLEGE (AUTONOMOUS), MADURAI-18

DEPARTMENT OF PGDCA

PROGRAMME CODE: PDB

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
SEMESTER - I						
19PDB101	Computer Fundamentals	3	3	40	60	100
19PDB102	Problem solving using C	3	3	40	60	100
19PDB103	Web Designing	3	3	40	60	100
19PDB104	Lab –I Programming in C	3	2	40	60	100
19PDB105	Lab –II Web Programming	3	2	40	60	100
21PDB106	Lab –III Design Techniques	3	2	40	60	100
19PDB107	Mini Project	-	4	40	60	100
Total		**18**	**19**			
SEMESTER - II						
19PDB201	Database Management System	4	3	40	60	100
21PDB202	Python Programming	4	3	40	60	100
19PDB203	Lab –IV RDBMS	3	2	40	60	100
19PDB204	Lab –V Python Programming	3	2	40	60	100

COURSE CODE	COURSE TITLE	HRS / WK	CREDIT	CIA Mks	ESE Mks	TOT. MKs
19PDB205	Project	4	4	40	60	100
19PDB206	Internship (1month)	-	5	100	-	100
Total		**18**	**19**	-	-	-

OFF-CLASS PROGRAMME

Courses	Hrs.	Credits	Semester in which the course is offered	CIA Mks	ESE Mks	Total Marks
COMPUTER APPLICATIONS For 1 Semester – UG SCIENCE (I Yr)	30	2	I	100	-	100
COMPUTER APPLICATIONS For II Semester – UG ARTS (I Yr)	30	2	II	100	-	100
TOTAL	60	4		100		100

- **Lab Courses :**
  - A range of 10-15 exercises per semester

- **Internship:**
  - Duration-1 month (2nd Week of Feb to 2nd week of Mar-before college gets closed)

- **Project:**
  - Evaluation components-Report writing + Viva Voce (Internal marks-40) + External marks 60

PGDCA

SEMESTER –I

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATE GORY	HRS/WEEK	CREDITS
PGD	21PDB106	LAB – III DESIGN TECHNIQUES	PG Core	3	2

COURSE DESCRIPTION

This course gives knowledge on the editing of images and created animated images.

COURSE OBJECTIVE:

1. To develop skills for editing and altering photographs through tools, layers, and the adjustments panel.
2. To know about basic photo repairs and color enhancements
3. To design impressive cards for various occasions.

PHOTO SHOP

- Open an image and modify it using smudge tool.
- Change a Black and White photograph into Color.
- Create an image using gradient fills.
- Import an image and remove the portion from the plain background and fix it in another background.
- Type a text and create plastic effect.
- Create a Web photo gallery.

COREL DRAW

1. Design a Logo for Coffee Shop.
2. Create a 3 D button for a Web Page.
3. Create a Logo for Pepsi Company.
4. Create a Logo for Whatsapp.
5. Creat a Logo for Olymbic.
6. Create the Car Advertisement in Corel Draw.

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
LAB III DESIGN TECHNIQUES – 19PDB106				
1.1	Marquee Tool, Crop Tool,Lasso Tool- Move Tool	2	Demo & Working in Lab	LCD
1.2	Gradient fills	2	Demo & Working in Lab	LCD
1.3	Rubber, Clone Stamp tool, Eraser Tool, Paint Brush Tool, Art History Brush Tool, Text Tool	2	Demo & Working in Lab	LCD
1.4	Resizing, Rotating of Images, Sharpen, Blur Filters, Noise Filters, Render Filters	2	Demo & Working in Lab	LCD
1.5	3D transform	2	Demo & Working in Lab	LCD
1.6	Introduction, Selecting Objects, Creating Basic Shapes, Reshaping Objects	2	Demo & Working in Lab	LCD
1.7	Organizing objects, Applying Color fills, Outline -Artistic	2	Demo & Working in Lab	LCD
1.8	Paragraph Text Formatting, Applying Effects	2	Demo & Working in Lab	LCD

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Analyze on the various tools of Photoshop	K1	PSO1& PSO2
CO 2	Compare different types of filters used in Photoshop	K1, K2	PSO2, PSO4
CO 3	Apply the techniques available in CorelDraw	K1 & K3	PSO4, PSO5
CO 4	Create animated banners and various simple animations	K3& K4	PSO3
CO 5	How to prepare and process photos for the Web?	K2, K3& K4	PSO5

Mapping COs Consistency with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	1	2	1
CO2	3	3	3	2	1
CO3	2	2	3	3	2
CO4	2	2	2	3	3
CO5	2	2	2	2	3

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	1
CO2	3	3	2	1	2
CO3	3	2	2	3	3
CO4	2	1	2	3	2
CO5	3	2	2	3	3

COURSE DESIGNER

STAFF NAME: 1. RAMYA R

FORWARDED BY

(S.SELVARANI)

HOD'S NAME & SIGNATURE

PGDCA

SEMESTER –II

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATE GORY	HRS /WEEK	CREDITS
OSCA	21PDB202	Python Programming	THEOR Y	4	3

COURSE DESCRIPTION

To enable the students to get better understanding in the OOPS Concept and to have basic knowledge in writing programs using Python Programming.

COURSE OBJECTIVES

1. To acquire programming skills in core Python.
2. To acquire Object Oriented Skills in Python.
3. To develop the skill of designing Graphical user Interfaces in Python.
4. To develop the ability to write database applications in Python.

UNIT I: INTRODUCTION TO PYTHON [6 HRS]

Installation and Working with Python - Understanding Python variables - Python basic Operators - Understanding python blocks - Declaring and using Numeric data types: int, float, complex -Using string data type and string operations - Defining list and list slicing - Use of Tuple data type

UNIT II: PYTHON PROGRAM FLOW CONTROL [6 HRS]

Conditional blocks using if, else and elif - Simple for loops in python - For loop using ranges, string, list and dictionaries - Use of while loops in python - Loop manipulation using pass, continue, break and else - Programming using Python conditional and loops block

UNIT III: PYTHON FUNCTIONS, MODULES AND PACKAGES [6 HRS]

Organizing python codes using functions - Organizing python projects into modules - Importing own module as well as external modules - Understanding

Packages - Powerful Lamda function in python - Programming using functions, modules and external packages.

UNIT IV: PYTHON STRING, LIST, DICTIONARY MANIPULATIONS [6 HRS]

Building blocks of python programs - Understanding string in build methods - List manipulation using in build methods - Dictionary manipulation - Programming using string, list and - Dictionary in build functions

UNIT V: PYTHON FILE OPERATION [6 HRS]

Design with functions: hiding redundancy, complexity; arguments and return values; formal vs actual arguments, named arguments - Recursive functions - Understanding read functions, read(), readline() and readlines() - Understanding write functions, write() and writelines() - manipulating file pointer using seek - Programming using file operations

TEXT BOOKS :

1. Python Programming – Reema Thareja , Oxford University Press , 2017.
2. Think Python – Allen B.Downey ,O'Reilly Publications, 2nd Edition.

REFERENCE BOOK:

1. Exploring Python – Timothy A.Budd, Tata Mc Graw Hill, 2017

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT – I INTRODUCTION TO PYTHON				
1.1	Installation and Working with Python	2	Chalk & Talk	Black Board
1.2	Python basic Operators	3	Chalk & Talk	LCD
1.3	Declaring and using Numeric data types: int, float, complex	2	Lecture	PPT & White board
1.4	Testing a "Stand Alone" Application Using the command window	2	Lecture	Smart Board
1.5	-Using string data type and string operations	2	Lecture	Smart Board
1.6	Use of Tuple data type	2	Lecture	Smart Board
UNIT -II PYTHON PROGRAM FLOW CONTROL				
2.1	Organizing python codes using functions	2	Chalk & Talk	Black Board
2.2	Organizing python projects into modules -undocking the windows	2	Chalk & Talk	LCD
2.4	Importing own module as well as external modules	3	Lecture	Smart Board

2.5	Programming using functions,	3	Lecture	Smart Board
2.6	Powerful Lamda function in python	2	Lecture	LCD
2.7	classification of properties	2	Lecture	Smart Board
2.8	Modules and external packages.	2	Lecture	Smart Board
UNIT III - PYTHON FUNCTIONS, MODULES AND PACKAGES				
3.1	Organizing python codes using functions	3	Lecture	Smart Board
3.2	Importing own module as well as external modules	3	Lecture	Smart Board
3.3	–Powerful Lambda function in python	3	Lecture	Smart Board
3.4	Auto list members and parameter information	3	Lecture	Smart Board
3.5	Programming using functions	2	Chalk & Talk	Black Board
3.6	External Functions	2	Lecture	Smart Board
3.7	setting run-time properties.	1	Chalk & Talk	LCD
UNIT IV PYTHON STRING, LIST, DICTIONARY MANIPULATIONS				
4.1	Building blocks of python programs	2	Chalk & Talk	Black Board
4.2	Understanding string in build methods	2	Chalk & Talk	LCD

4.3	Arithmetic operators	3	Lecture	PPT & White board
4.4	Data types	2	Lecture	Smart Board
4.5	Programming using string, list	2	Lecture	Black Board
4.6	Dictionary manipulation ,	2	Discussio n	Google classroom
4.7	List manipulation using in build methods	2	Lecture	Black Board
UNIT V – PYTHON FILES OPERATIONS				
5.1	Design with functions: hiding redundancy, complexity.	2	Chalk & Talk	Black Board
5.2	Understanding read functions, read(), readline() and readlines()	3	Chalk & Talk	LCD
5.3	Recursive functions	2	Lecture	PPT & White board
5.4	List-Box Control	3	Lecture	Smart Board
5.5	Arguments and return values; formal vs actual arguments,	3	Lecture	Smart Board
5.6	Understanding write functions, write() and writelines()	2	Lecture	Smart Board
5.7	Named arguments	2	Lecture	Smart Board

5.8	Programming using file operations	2	Lecture	Smart Board
5.9	Manipulating file pointer using seek	2	Lecture	Smart Board

INTERNAL - PG

Levels	C1	C2	C3	C4	C5	Total Scholastic Marks	Non Scholastic Marks C6	CIA Total	% of Assessment
	T1 10 Mks.	T2 10 Mks.	Seminar 5 Mks.	Assignment 5 Mks	OBT/ PPT 5 Mks	35 Mks.	5 Mks.	40 Mks.	
K2	**4**	**4**	**-**	**-**	**-**	**8**	-	**8**	20 %
K3	**2**	**2**	**-**	**5**	**-**	**9**	-	**9**	22.5 %
K4	**2**	**2**	**-**	**-**	**5**	**9**	-	**9**	22.5 %
K5	**2**	**2**	**5**	**-**	**-**	**9**	-	**9**	22.5 %
Non Scholastic	-	-	-	-	-		**5**	**5**	12.5 %
Total	**10**	**10**	**5**	**5**	**5**	**35**	**5**	**40**	**100 %**

END SEMESTER - PG

Levels	Section A 10 Mks	Section B 20 Mks.	Section C 10 Mks	Section D 10 Mks.	Section E 10 Mks.	Total 60Mks.	
K2	**10**	**5**	**-**	**-**	**-**	**15**	25 %
K3	**-**	**5**	**10**	**-**	**-**	**15**	25 %
K4	**-**	**5**	**-**	**-**	**10**	**15**	25 %

K5	**-**	**5**	**-**	**10**	**-**	**15**	25 %
Total	**10**	**20**	**10**	**10**	**10**	**60**	**100 %**

CIA

Scholastic	**35**
Non Scholastic	**5**
	40

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

K1- Remember, **K2-**Understand, **K3-**Apply, **K4-**Analyse

- ✔ **The I PG course teachers are requested to start conducting S1, W1, M1.**

EVALUATION PATTERN

SCHOLASTIC				NON - SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
5	**10**	**15**	**5**	**5**	**40**	**60**	**100**

C1 – Average of Two Session Wise Tests

C2 – Average of Two Monthly Tests

C3 - Mid Sem Test

C4 – Best of Two Weekly Tests

C5 – Non – Scholastic

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Assess why Python is a useful scripting language for developers.	**K1**	**PSO1& PSO2**
CO 2	Identify Python object types.	**K1, K2 & K3**	**PSO1, PSO2, PSO3**
CO 3	Illustrate the usage of Lists, tuples, and Dictionaries in Python Programs.	**K2, K3 & K4**	**PSO5**
CO 4	Acquire how to design and program Python applications.	**K1, K2, K3 & K4**	**PSO3, PSO5**
CO 5	Outline the file operations in Python.	**K2, K3 & K4**	**PSO4, PSO5**

Mapping COs Consistency with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	1	1	2
CO2	2	3	3	2	1
CO3	2	1	3	2	3
CO4	2	2	1	2	3

CO5	2	1	2	2	1

Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	1
CO2	3	2	2	1	2
CO3	2	3	2	3	3
CO4	3	1	2	3	2
CO5	2	2	2	3	3

COURSE DESIGNER

STAFF NAME:1. PUNITHA ROSLINE A

FORWARDED BY

(S.SELVARANI)

HOD'S NAME & SIGNATURE