

DEPARTMENT OF COMPUTER SCIENCE				CLASS: II B.Sc. Computer Science				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours/week	CIA	Ext	Total
III	practical-3	20U3DMCP3	Visual programming Lab	2	3	40	60	100

Nature of Course			
Knowledge and skill	✓		Employability oriented
Skill oriented			Entrepreneurship oriented

### COURSE OBJECTIVES :

- To impart computer programming knowledge using Visual Basic language with objectoriented programming technique.
- To teach how to deign, code, debug and test the programs using Visual basic.

### List of Programmes.

1. Write a Program to demonstrate the cut, copy & paste operations.
2. Write a Program to demonstrate the find & replace operations.
3. Write a Program to create MDI forms.
4. Write a Program to open a file using file, dir& drive list boxes.
5. Write a Program to expand & shrink the picture at runtime.
6. Write a Program to demonstrate Scrollbar.
7. Write a Program to demonstrate Checkbox & Option button.
8. Write a Program to animate a picture.
9. Write a Program to add items to menu editor at runtime.
10. Write a program to demonstrate toolbar, cool bar & status bar.
11. Write a Program to demonstrate progress bar.
12. Write a Program to simulate the calculator.
13. Write a Program to process student mark list using data control.
14. Write a Program to generate a data report.
15. Write a Program to encrypting and decrypting a file.

**COURSE OUTCOMES:**

On the completion of the course the students will be able to

COs	COURSE OUTCOME	Knowledge Level (basis of Bloom's Taxonomy)
CO-1	Construct the logic using algorithms for a given problem and develop programs using the commands and available functions in VB	Up to K2
CO-2	Develop programs to demonstrate the creation of status bar, tool bar and progress bar	Up to K4
CO-3	Construct programs to process specific application programs using data control	Up to K3
CO-4	Compose programs to generate reports using report writer	Up to K4
CO-5	Develop programs to perform file related operations.	Up to K3

**MAPPING OF COs WITH PSOs:**

Course Outcomes	PSO 1 (Knowledge Base)	PSO 2 (Problem Analysis & Investigation)	PSO 3 (Communication Skills & Design)	PSO 4 (Individual and Team Work)	PSO 5 (Professionalism Ethics and equity )	PSO 6 (Life Long Learning)
CO-1	3	1	2	1	1	1
CO-2	2	3	2	1	1	1
CO-3	2	2	2	1	1	2
CO-4	2	2	2	1	1	1
CO-5	2	1	2	3	2	1

3- Advanced Application

2- Intermediate

1- Introductory

**Course Designer(s):**

**1. Prof.P.Sridevi**

**2. Prof.J.Mayajothi**