



PGDCA
Semester II

Course Code	PS02CDCA24	Title of the Course	VISUAL PROGRAMMING
Total Credits of the Course	4	Hours per Week	4

Main Focus of the Course outcomes	Employability	Skill Development	Entrepreneurship
	✓	✓	✓
Course Objectives:	1. To understand the basics of Visual Programming. 2. To understand the fundamental concepts of Visual Basic. 3. To understand the application development process using Visual Basic.		

Course Content		
Unit	Description	Weightage* (%)
1.	Introduction – Introduction, Graphical Development Environment – Basic elements of VP, Event Driven programming – Applications of VP, Pros and Cons of VP	25
2.	Visual Basic - Overview – Introduction, Integrated Development Environment – Elements of Programming – Flow Control statements	25
3.	Advanced Concepts of Visual Basic - I – VB Project – Components, Development and types – VB project Elements – Forms, Menus, etc. – Event Driven Programming using VB	25
4.	Advanced Concepts of Visual Basic - II – Database programming (DAO,RDO,ADO) – Generating Reports – Error-Handling, Debugging and Deploying Applications	25





Teaching-Learning Methodology	Blended learning approach incorporating traditional classroom teaching as well as online / ICT-based teaching practices
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	gain knowledge of Visual Programming language.
2.	gain understanding concepts of Visual Basic.
3.	acquire knowledge of application development using Visual Basic.

Suggested References:	
Sr. No.	References
1.	Noel Jarke : The Complete Reference Visual Basic 6 – Tata McGraw-Hill Publishing Company Ltd., New Delhi, Edition 1999.
2.	Evangelos P.: Mastering Visual Basic 6, BPB Publications, 1998.
3.	Eric Winemiller, Jason Roff, Bill Heyman, Ryan Groom: VB6 Database, Techmedia, Indian First Edition 1999.

