



**C. U. SHAH UNIVERSITY**  
**Wadhwan City**

**FACULTY OF:-** Computer Science  
**DEPARTMENT OF:-** Master of Computer Applications  
**SEMESTER:-** -I  
**CODE:-** - 5CS01MGPI  
**NAME:-** – GUI PROGRAMMING (GP)

**Teaching and Evaluation Scheme**

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Credits	Evaluation Scheme								
		Th	Tu	Pr	Total		Theory				Practical (Marks)				Total
							Sessional Exam		University Exam		Internal		University		
							Marks	Hrs	Marks	Hrs	Pr/Viva	TW	Pr		
5CS01MGPI	GUI PROGRAMMING	4	-	-	4	4	30	1.5	70	3	-	-	-	100	

**Objectives:**

- To be able to understand the concepts of Computer Basics

**Prerequisites:**

- Knowledge of Basic Computer Operative.

**Course Outline**

Sr. No.	Course Contents	Hours
1	<b>Beginning Visual Basic</b> What is Visual Basic Features of Visual Basic, The Visual Basic Philosophy, The integrated development environment ,The anatomy of Form, Project Types	3
2	<b>Dealing With Data</b> Operators , Variables , Declaring Variables , Types Of Variables , Data types , Constants , Arrays Declaring Arrays , Specifying Arrays , Multidimensional Arrays , Dynamic Arrays , Arrays of arrays	10
3	<b>Writing Code</b> Collections , Procedures , Subroutines , Functions , Calling Procedures , Object Browser , Creating Classes & Object, I/O Statements , Control Flow Statements , If—Then ,If-then-else, Nested Control Statements , Select-Case Loop Statements , Do—Loop ,For—Next , While-Wend Exit Statement.	10
4	<b>Creating an Application Using Controls</b> What is on the toolbar ,Textbox Control , Picture Box , Image Box, Label Box , Frame , List Box, Option Button, Combo Box , Command Button , Check Box , The Drive , Directory, File List Controls ,The Line & Shape Control ,Scroll Box ,Data ,Timer	10
5	<b>Multiple Document Interface &amp; Menus</b> Why MDI Forms, Features Of an MDI forms, Loading MDI forms & child forms, Creating an simple MDI forms, Accessing MDI forms , Creating MENUS , POP-UP MENUS .	7



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6	<b>DATA Access Controls</b> JET database Engine, ADODC, DAO Data Control, ODBC Data Source Administrator, DATA REPORT.	8
	<b>Total</b>	<b>48</b>

**Learning Outcomes**

- The course is for application developers at designing and implementing applications in a VB environment.
- After completion of this course students are able to creating & manipulating application.

**Books Recommended:-**

- Using VB 6.0 PHI.
- Mastering VB 6.0 BPB.
- VB 6.0 Complete BPB.