



# **C. U. SHAH UNIVERSITY**

## **Wadhwan City**

**FACULTY OF:-** Computer Science

**DEPARTMENT OF:-** MCA

**SEMESTER:-** V

**CODE :-** 5CS05MPY1

**NAME – PYTHON PROGRAMMING(PP) (MAJOR ELECTIVE –II)**

### 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	
5CS05MPT2	PYTHON PROGRAMMING	4	0	0	4	4	30	1.5	70	3	-	---	-	100

### Objectives:

- To able to develop, automate, and test applications and systems using one of the open source programming language.

### Pre-requisites:

- Students should have prior programming experience and be familiar with basic concepts such as variables/scopes, flow-control, and functions.
- Prior exposure to object-oriented programming concepts is not required, but definitely beneficial.

### Course outline:-

Sr. No.	Course Contents	Number of Hours
1	<b>The Python Language:</b> Lexical Conventions and Syntax, Types and Objects, Operators and Expressions Flow Control and Exceptions, Modules	12
2	<b>Python's Programming Paradigms:</b> Imperative/Procedural/Scripting, Functional Programming, Object Oriented Programming	15
3	<b>Working with Python:</b> Tools and Environment	10
4	<b>The Python Library:</b> String and Text Handling, Data Structures and Algorithms, Graphical Programming	11
	<b>Total hours</b>	<b>48</b>