

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA -8
(Affiliated to Krishna University, Machilipatnam)
SYLLABUS

Subject: Computer Science	Semester: V/VI	
Course Title: Python Programming – Practical	Course Code: 20CSP612PP1	
No of Hours: 45	LTP: 002	Credits: 1

Objectives

- To practice the Python syntaxes and write programs.
- To identify and program the Python concepts and techniques.

Course Outcomes

CO1: Use standard programming constructs like selection and repetition.

CO2: Use aggregated data (list, tuple, and dictionary).

CO3: Implement functions and modules in python.

List of Practicals: (30 Hrs.)

1. Python Program to Find the Square Root
2. Python Program to Swap Two Variables
3. Python Program to Generate a Random Number
4. Python Program to Check if a Number is Odd or Even
5. Python Program to Find the Largest Among Three Numbers
6. Python Program to Check Prime Number
7. Python Program to Display the multiplication Table
8. Python Program to Print the Fibonacci sequence
9. Python Program to Find the Sum of Natural Numbers
10. Python Program to Find Factorial of Number Using Recursion
11. Python Program to work with string methods.
12. Python Program to create a dictionary and print its content.
13. Python Program to create class and objects.

Skill/Hands-on: Field work/Mini Project (15 Hrs.)

1. Choose a firm / business based on user requirements develop the related applications using Python

Reference Book

1. Reema thareja—Python Programming using problem solving approach, Oxford Publication.

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Practical-Scheme of Valuation

Time: 3 Hrs.

Max. Marks: 50

Practical	Marks
Program Writing	15 M
Program Execution	15 M
Viva	10 M
Practical Record	10 M
Total	50 M