PVP SIDDHARTHA INSTITUTE OF TEHNOLOGY, KANURU, VIJAYAWADA
(AUTONOMOUS)

INFORMATION TECHNOLOGY

PYTHON PROGRAMMING LAB

Course Code	19IT3653	**Year**	III	**Semester**	II
Course Category	PC Lab	**Branch**	IT	**Course Type**	LAB
Credits	1.5	**L-T-P**	0-0-3	**Prerequisites**	JAVA
Continuous Internal Evaluation :	25	**Semester End Evaluation:**	50	**Total Marks:**	**75**

Course Outcomes		**Blooms Level**
Upon Successful completion of course, the student will be able to		
CO1	Design python programs that appropriately utilize built-in functions and objects of Python	L6
CO2	Use functions for structuring efficient Phython programs	L3
CO3	Relate data using phython lists, tuples, dictionaries	L2

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:High, 2: Medium, 1:Low)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2								2	2
CO2	2	2	2	2	2								2	2
CO3	2	2	2	2	2								2	2

Exercise No	**Exercise**	**Mapped CO**
1	Write a program to demonstrate different number data types in Python	CO1
2	Write a program to perform different Arithmetic Operations on numbers in Python.	CO1
3	Write Python programs demonstrate to control flow statements.	CO1
4	Write a program to create, concatenate and print a string and accessing sub-string from a given string.	CO1
5	Write a program to create, append, and remove lists in python	CO1,CO3
6	Write a program to demonstrate tuples in python.	CO1,CO3

7	Write a program to demonstrate dictionaries in python.	CO1,CO3
8	Write a python program to find factorial of a number using Recursion.	CO1,CO2
9	Write a python program to define a module to find Fibonacci Numbers and import the module to another program.	CO1,CO2
10	Write a script named copyfile.py. This script should prompt the user for the names of two text files. The contents of the first file should be input and written to the second file.	CO1,CO2

Learning Recourses

Text Books

1. James Payne, "Beginning Python: Using Python and Python 3.1, First Edition, Wrox Publication
2. Dr. R. Nageswara Rao, Core Python Programming, Dreamtech Press, Wiley Publication, 2017.

Reference Books

1. Wesley J Chun, Core Python Applications Programming, Third Edition, Pearson Publication.
2. E. Balguruswamy, Introduction to Computing and Problem Solving using Python, McGraw Hill Publication

e-Resources and other Digital Material

1.https://www.geeksforgeeks.org/python-programming-language/