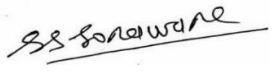
Course Name: Skill Base Lab Course: Python Programming

Class: SE Sem: IV Faculty In charge: Swapnil Sonawane

	Lab Outcome
CO1	To understand basic concepts in python
CO2	To explore contents of files, directories, and text processing with python
CO3	To develop program for data structure using built in functions in python
CO4	To explore Django web framework for developing python-based web application
CO5	To understand Multithreading, NumPy and Pandas concepts using python

Sr. No.	Name of Experiment	CO Mapping
1	Exploring basics of python like data types (strings, list, array, dictionaries, set, tuples)	CO1
2	Write a program to accept an integer array and sort it in ascending order	CO1
3	Creating functions, classes and objects using python. Demonstrate exception handling and inheritance.	CO1
4	Exploring Files and directories a. Python program to append data to existing file and then display the entire file b. Python program to count the number of lines, words and characters in a file. c. Python program to display file available in current directory	CO2
5	Creating GUI with python containing widgets such as labels, textbox, radio, checkboxes, and custom dialog boxes.	CO4
6	Menu driven program for data structure using built in function for link list, stack and queue.	CO3
7	Program to demonstrate CRUD (create, read, update and delete) operations on database (SQLite/ MySQL) using python.	CO4
8	Creation of simple socket for basic information exchange between server and client.	CO4
9	Programs on Threading using python.	CO5
10	Exploring basics of NumPy Methods.	CO5
11	Program to demonstrate use of NumPy: Array objects.	CO5
12	Program to demonstrate Data Series and Data Frames using Pandas	CO5
13	Implementation of PBLE	CO1-CO5



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