



ANJUMAN-I-ISLAM'S

KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi,
Recognised by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

☒ SCHOOL OF ENGINEERING & TECHNOLOGY

☐ SCHOOL OF PHARMACY

☐ SCHOOL OF ARCHITECTURE

DEPARTMENT OF COMPUTER ENGINEERING

REV: 00

LAB / PRACTICAL PLAN

TLP-08

Name of Faculty: Khan Tabrez Mohd. Tahir

Year: 2nd Half 2020

Semester: IV

Course Code: CSL405

Course: Skill Base Lab Course (SBLC)

Course Outcomes:

1. To implement basic concepts of python.
2. To implement advanced concepts of python.
3. To explore Django web framework for developing python-based web application.
4. To analyze the data using NumPy and Pandas libraries.
5. To communicate and present the solution effectively.
6. To analyze and design solution for given problem.

No	Name of Practical	Planned Completion Date (PCD) (YYYY-MM-DD)			Mapped CO(s)
		B1	B2	B3	
1	1.1 Write a python program to implement Comments, Datatypes, Expressions, Input and Output Functions. 1.2 Write a python program to implement List, Tuple, Dictionaries and Arrays.				CO1
2	2.1 Write python program to implement the For Loop. 2.2 Write python program to implement Functions.				CO1
3	3.1 Write python program to implement Classes, object, Static method. 3.2 Write a python program to implement Constructors.				CO2
4	4.1 Write python programs to implement Inheritance and Polymorphism with Method overloading and Method Overriding. 4.2 Write python program to implement different types of Exceptions.				CO2
5	Menu driven program for data structure using built in function for link list, stack and queue.				CO2
6	6.1. Python program to append data to existing file and then display the entire file. 6.2. Python program to count number of lines, words and characters in a file. 6.3. Python program to display file available in current directory.				CO2
7	Write a python program to implement GUI Application using Tkinter.				CO2

CRITERION: 2.2.1

FILE NO. P25

Innovative Teaching - Exuberant Learning

Vision : To be the most sought after academic, research and practice based department of Computer Engineering that others would wish to emulate.

8	Program to demonstrate CRUD (create, read, update and delete) operations on database (MySQL) using python.				CO2
9	Creating web application using Django web framework to demonstrate functionality of user login and registration (also validating user detail using regular expression).				CO3
10	Programs on Threading using python.				CO2
11	Program to demonstrate use of NumPy: Array objects.				CO4
12	Program to demonstrate Data Series and Data Frames using Pandas.				CO4
13	Assignment 1				CO5
14	Assignment 2				CO5
15	Mini Project.				CO6

Course Owner

Program Owner