Ganpat University - Faculty of Engineering & Technology
Computer Engineering
B.Tech Sem- IV Computer Engineering
2CEIT404: Programming with Python
Course Outcomes

CO1	Explain Python basics and various structured data types for solving computational problems.
CO2	Understand object-oriented programming and file handling terminologies of Python language.
CO3	Design GUI based Python desktop applications and web applications using the Django framework with a database in the backend.
CO4	Demonstrate small chat applications and multithreading concepts using a Python script.

List of Experiments

Sr. No	Experiments	CO Mapping
1	Introduce the basics of the Python language, including history, versions, and features.	1
2	Demonstrate the basics of Python programming using expressions, variables, and user inputs.	1
3	Implement the programs using iterative statements and string operations.	1
4	Understand the lists and tuples data structures and operations.	1
5	Create, access, and modify the dictionary data structure.	1
6	Create and utilize the user defined functions.	1, 2
7	Perform the file handling operations in Python.	2
8	Implement the object oriented programming concepts using Python.	1, 2
9	Connect Python to the MySQL database.	2, 3
10	Build the graphical user interface using the Tkinter module.	2, 3
11	Implement client-server communication using sockets in Python.	4
12	Build a web application using the Django framework.	3

Name and Sign of faculty member

Prof. Manan Thakkar