

LESSON PLAN:		
Discipline: CSE	Semester: 3rd	Name of the Teaching Faculty: Nishita Kindo
Subject: Programming with Python	No. Of Days/per week class allotted: 03 periods per week (Tues, Wed & Thus-1 Period each)	Semester: From Date: 14-07-2025 To Date: 15-11-2025 No. Of Week: 15
WEEK	CLASS DAY	THEORY /PRACTICAL TOPICS
1st	Day 1	Syllabus Discussion
	Day 2	1. Introduction to Python 1.1 Overview of Python: Features and Applications
	Day 3	1.2 Setting Up the Python Environment (Python Installation, IDEs)
2nd	Day 1	1.3 Python Syntax: Variables, Data Types,
	Day 2	1.4 Operators Writing
	Day 3	1.5 Executing, and Debugging Python Scripts Revision cum Assignment - Chap 1
3rd	Day 1	2. Control Structures and Functions
	Day 2	2.1 Conditional Statements: if, else, elif
	Day 3	2.2 Loops: for, while, and Nested Loops
4th	Day 1	2.3 Functions: Defining, Calling
	Day 2	2.3 Functions: Defining, Calling
	Day 3	2.4 Scope of Variables
5th	Day 1	2.5 Introduction to Lambda Functions and Recursion
	Day 2	2.5 Introduction to Lambda Functions and Recursion
	Day 3	Revision cum Assignment - Chap 2
6th	Day 1	3. Data Structures in Python 3.1 Lists, Tuples, Sets, and Dictionaries
	Day 2	3.2 Operations and Applications
	Day 3	3.3 List Comprehensions and Dictionary Comprehensions
7th	Day 1	3.3 List Comprehensions and Dictionary Comprehensions
	Day 2	3.4 Working with Strings: Methods and Manipulation
	Day 3	3.4 Working with Strings: Methods and Manipulation
8th	Day 1	3.5 Introduction to Python's Collections Module
	Day 2	Revision cum Assignment - Chap 3
	Day 3	Class Test-1
9th	Day 1	4. File Handling and Modules 4.1 File Operations, Reading, Writing, and Appending Files
	Day 2	4.1 File Operations, Reading, Writing, and Appending Files

	Day 3	4.2 Working with CSV and JSON Files
10th	Day 1	4.3 Python Modules: Built-In Modules (e.g., math, os, date time)
	Day 2	4.4 Python Modules: Creating and Using Custom Modules
	Day 3	4.4 Python Modules: Creating and Using Custom Modules Revision cum Assignment - Chap 4
11th	Day 1	5. Object-Oriented Programming (OOP) in Python 5.1 Understanding Classes and Objects
	Day 2	5.2 Concepts of Encapsulation, Inheritance, and Polymorphism
	Day 3	5.2 Concepts of Encapsulation, Inheritance, and Polymorphism
12th	Day 1	5.3 Working with Magic Methods and Operator Overloading
	Day 2	5.4 Exception Handling in Python
	Day 3	Revision cum Assignment - Chap 5
13th	Day 1	6. Advanced Python and Applications 6.1 Introduction to Libraries: NumPy, Pandas
	Day 2	6.2 Mini-Project: Developing a Python Script for a Real-World Problem
	Day 3	Revision cum Assignment - Chap 6
14th	Day 1	Doubt Clearing Class
	Day 2	Doubt Clearing Class
	Day 3	Doubt Clearing Class
15th	Day 1	Class Test 2
	Day 2	Previous year Question discussion
	Day 3	Previous year Question discussion