PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY PANIPAT
DEPARTMENT OF CYBER SECURITY
LESSON PLAN

Subject:CTP   Subject Code:PC-CS-CYS-205A   Semester:3rd

Sr. No	Lecture No	Topics To BeCovered	Mode of Teaching
1	L 1	Introduction to Python, Installation, Advantages of Python, Syntax	White Board
2	L 2	Python Variables, Python Data Types, Concatenate Strings	White Board
3	L 3	Numbers in Python, Slicing Strings	Smart Board
4	L 4	Arithmetic Operators, Assignment Operators, Logical Operators,	White
5	L 5	Lists in Python, Methods of List	Smart Board
6	L 6	Add, Remove, Extend, Update and Sort Methods in Lists	White Board
7	L 7	Tuples in Python, Methods in Tuples	White Board
8	L 8	Sets in Python, Various Methods of Sets in Python	White Board
9	L 9	Dictionaries in Python, Access and Change Methods	Smart Board
10	L 10	Flow Control Statements (If-Else, If-Else-Elif, Nested If)	Smart Board
11	L 11	Iterative Control Structures (While Loop, For Loop and Range)	Smart Board
12	L 12	Function Declaration in Python	White Board
13	L 13	Programs to implement a list	Smart Board
14	L 14	Keyword and Arbitrary Arguments	White Board
15	L 15	Recursion Concept in Function	White Board

16	L 16	Anonymous Functions – Lambda	White Board
17	L 17	Exception Handling & Pattern Matching	Smart Board
18	L 18	Classes & Arrays in Python	Smart Board
19	L 19	Modules, Packages & File Handling	Smart Board
20	L 20	F Strings in Python, Arrays	White Board
21	L 21	Decorators & Generators Functions	Smart Board
22	L 22	User Input & Formatting	Smart Board
23	L 23	Calendars in Python	White Board
24	L 24	Dictionary Operations in Python	White Board
25	L 25	Reading and Writing Structured Files	Smart Board
26	L 26	CSV and JSON Files in Python	Smart Board
27	L 27	Surprise Test of Unit -4	White Board
28	L 28	Clock Files in Python	White Board
29	L 29	Classes in Python	White Board
30	L 30	Use of __inti & __str in Python	Smart Board
31	L 31	Constructors in Python	Smart Board
32	L 32	Doubt Class of Syllabus	Smart Board