Lesson Plan

Name of Faculty : **Dr Vidhu Kiran Sharma, Guest Faculty,CSE**
Discipline : **CSE DS**
Semester : **4th**
Subject : **Python programming (PCC/CSE/12-T)**
Lesson Plan Duration : **Feb 2025 to July-2025**
Work Load (Lecture/Practical) per week (in hours):   **Lectures-03hours**

Week	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1st	1	History, features of python			
	2	Identifiers, character set, keywords, indentation			
	3	Comments, command line arguments, assignment operators			
2nd	4	Functions, data types			
	5	Variables, decision statement			
	6	Nested conditional statement, multiway decision statement			
3rd	7	Revision of unit 1			
	8	Loop control statements, while, for, nested, infinite			
	9	Range() , break, continue, pass			
4th	10	Strings, operations			
	11	Lists, operations			
	12	Searching , sorting			
5th	13	Dictionaries, operations			
	14	Tuples, operations			
	15	Sets, operations			
6th	16	Functions			
	17	Parameter passing			
	18	Recursion, lamda function			
7th	19	Modules, packages			
	20	Revision of unit 2			
	21	Operations on files			
8th	22	Manipulating file pointer, appending to files			
	23	Python object oriented concepts			
	24	Overloading			
9th	25	Overlapping			
	26	Classes and methods			
	27	Exception handling			
10th	28	Revision of unit 3			
	29	Databases			
	30	DML and DDL operations			
11th	31	Data analysis			
	32	Creating , using, indexing arrays			
	33	Transposition, universal array function, array input output			
12th	34	Pandas			
	35	Series, frames, panels			
	36	Index objects, re-indexing, iteration			
13th	37	Sorting			
	38	Data visualisation			
	39	Revision of unit 4			