

Lesson Plan

Name of Faculty : Dr Vidhu Kiran Sharma, Guest Faculty of CSE
Discipline : Computer Science and Engineering
Semester : 5th (odd)
Subject : Python programming (PCC-CSE302-T)
Lesson Plan Duration : August to December-2023
Work Load (Lecture/Practical) per week (in hours): Lectures-03hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1 st	1	History, features of python			
	2	Identifiers, character set, keywords, indentation			
	3	Comments, command line arguments, assignment operators			
2 nd	4	Functions, data types			
	5	Variables, decision statement			
	6	Nested conditional statement, multiway decision statement			
3 rd	7	Revision of unit 1			
	8	Loop control statements, while, for, nested, infinite			
	9	Range() , break, continue, pass			
4 th	10	Strings, operations			
	11	Lists, operations			
	12	Searching , sorting			
5 th	13	Dictionaries, operations			
	14	Tuples, operations			
	15	Sets, operations			
6 th	16	Functions			
	17	Parameter passing			
	18	Recursion, lamda function			
7 th	19	Modules, packages			
	20	Revision of unit 2			
	21	Operations on files			
8 th	22	Manipulating file pointer, appending to files			
	23	Python object oriented concepts			
	24	overloading			
9 th	25	overlapping			
	26	Classes and methods			
	27	Exception handling			

10 th	28	Revision of unit 3			
	29	databases			
	30	DML and DDL operations			
11 th	31	Data analysis			
	32	Creating , using, indexing arrays			
	33	Transposition, universal array function, array input output			
12 th	34	pandas			
	35	Series, frames, panels			
	36	Index objects, re-indexing, iteration			
13 th	37	Sorting			
	38	Data visualisation			
	39	Revision of unit 4			