

Lesson Plan of the 3rd semester for session 2020-21 (July- Dec)

Name of the faculty:	Ms. Neha Malik
Designation:	Assistant Professor
Discipline:	Computer Science and Engg.
Semester:	3 rd
Subject:	Python(PCC-CSE-207G)
Lesson Plan duration:	15 weeks
Work Load per week in hours:	Lectures- 02, Practical-02

Week	Lecture day	Topic (Including Assignment/Test)
UNIT – I		
1	1	Fundamental ideas in computer science
	2	Modern computer systems
2	3	Installing Python
	4	Basic syntax
3.	5	interactive shell
	6	Editing
4.	7	Saving
	8	Running a script
4	9	The concept of data Types
	11	Assignments
5	12	Numerical types
	13	arithmetic operators and expressions
6.	14	comments in the program
	15	understanding error messages
UNIT – II		
7.	16	Control statements: if-else
	17	Control statements: if-else
8	18	loops (for, while)
	19	loops (for, while)
9	22	subscript operator

	23	Indexing
10.	24	slicing a string
	25	strings and number system
11.	26	converting strings to numbers and vice versa
	27	Binary, octal, hexadecimal numbers
12.	28	Text files: reading/writing text and numbers from/to a file
	29	creating and reading a formatted file
13.	30	csv or tab-separated
	31	Basic list operators
14.	32	Replacing, inserting
	33	Removing an element
15.	34	Dictionary literals, adding, and removing keys, accessing and replacing values
	35	Traversing dictionaries. Hiding redundancy, complexity, arguments and return values, Program structure and design. Recursive functions.
16.	36	Program structure and design.
	37	Recursive functions
		UNIT – IV
17	38	classes, objects, attributes and methods
	39	Defining classes
18.	40	design with classes
	41	data modeling
19.	42	Persistent storage of objects, Inheritance
	43	Assignments
20.	44	Polymorphism, operator overloading
	45	Abstract classes
21.	44	Exception handling
	45	Try block