LESSON PLAN

Course Title: Data Structure Using C
Course Code: PCC-CSE-301
Faculty: RukhsanaThaker

S.no	UNIT	Topic	Date	Time
1	UNIT I	Review of Data Types , scalar and Primitive data types	18/8/20	2:00-3:00
2		Structure	20/8/20	3:00-4:00
3		Union	21/8/20	2:00-3:00
4		Enumerated Types, Records	24/8/20	2:00-3:00
5		Sparse Matrices	25/8/20	2:00-3:00
6		Recursion and Its Importance	27/8/20	3:00-4:00
7	UNIT II	Sequential Search, Binary Search	28/8/20	2:00-3:00
8		Hashing, Hash Function Separate Chaining	31/8/20	2:00-3:00
9		Open Addressing , Linear Probing	1/9/20	2:00-3:00
10		Bubble sort	3/9/20	3:00-4:00
11		Insertion	4/9/20	2:00-3:00
12		Selection	7/9/20	2:00-3:00
13		Heap	8/9/20	2:00-3:00
14		Merge	21/9/20	2:00-3:00
15		Quick, External Sort	22/9/20	2:00-3:00
16	UNIT III	Data Structure, ADS, Linear Data Structure	24/9/20	3:00-4:00
17		Stack, Operation , Application	25/9/20	2:00-3:00
18		Implementations of Operations using C	28/9/20	2:00-3:00
19		Infix, prefix, postfix	29/9/20	2:00-3:00
20		conversions	1/10/20	3:00-4:00
21		Expressions and Conversions	5/10/20	2:00-3:00
22		Stack implementation using queues and link list	6/10/20	2:00-3:00
23		Queue , operations and implementations	8/10/20	3:00-4:00
24		Queues types, implementation using arrays and linked list	9/10/20	2:00-3:00
25		Linked list and its applications	12/10/20	2:00-3:00
26		Linked list types and operations implementations	13/10/20	2:00-3:00
27		Doubly linked list operations	15/10/20	3:00-4:00
28		Doubly linked list operations	16/10/20	2:00-3:00
29		Trees , Preliminaries, Forest	19/10/20	2:00-3:00
30		Binary Tree operations	20/10/20	2:00-3:00
31		Forest to binary tree conversions	22/10/20	3:00-4:00
32		Tree Traversal	23/10/20	2:00-3:00
33		Preorderpostorderinorder and conversion	27/10/20	2:00-3:00

34	UNIT IV	AVL tree	2/11/20	2:00-3:00
35		AVL Trees	3/11/20	2:00-3:00
36		Binary Heap	5/11/20	3:00-4:00
37		Tree implementation	6/11/20	2:00-3:00
38	UNIT V	Graph, definition and representation	9/11/20	2:00-3:00
39		Operation on Graphs	12/11/20	3:00-4:00
40		Traversing of Graph	13/11/20	2:00-3:00
41		Dijkstra Algorithm	16/11/20	2:00-3:00
42		Warshall algorithm	17/11/20	2:00-3:00
43		Minimum Spanning Tree	19/11/20	3:00-4:00
44		Kruskal algorithm	20/11/20	2:00-3:00
45		Prims algorithm	23/11/20	2:00-3:00