

LESSON PLAN

Period (tentative)	Date	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	20/11/21	Recursion and Linear Search	I	CR		
		Preliminary of algorithm		CR		
2	21/11/21	Algorithm Analysis and Complexity		CR		
		Recursion: Definition		CR		
		Design Methodology		CR		
		Implementation of algorithm		CR		
3	22/11/21	Linear and Binary Recursion		CR		
		Recursion on 1D array		CR		
4	23/11/21	GCD Computation		CR		
5	24/11/21	Fibonacci Sequence		CR		
6	25/11/21	Towers of Hanoi		LCD		
-		Tail Recursion		CR		
7	26/11/21	List Search using		CR		
		Linear Search		LCD		
8	27/11/21	Binary Search		LCD		
		Fibonacci Search		LCD		
		UNIT-II				
9	28/11/21	Solving Techniques II				
10	29/11/21	Basics Concept		CR		
11	30/11/21	Traversal				

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11	1/12/21	Selection (Heap sort)		LCD		
12	2/12/21	Exchange (Bubble sort)		LCD		
13	3/12/21	Quick sort		LCD		
14	25/12/21	Distribution (Radix sort)		LCD		
15	26/12/21	Merge sort		LCD		
		UNIT-III				
		Stack and Queues III		CR		
16	29/12/21	Basic Stack operation		CR		
		Rep of Stack using Array		CR		
17	31/12/21	Stack Application:		CR		
		Reversing list		CR		
		Factorial Calculation		CR		
18	1/1/22	Infix-to-postfix Conversion		CR		
		Evaluating Arithmetic Exp		CR		
19	2/1/22	Basics Queue operation		CR		
		Rep of Queue using Array		CR		
20	3/1/22	Implementation of Queue using Stack		CR		
21	4/1/22	Application of Queues		CR		
22	5/1/22	Round Robin		CR		
		End Queue		CR		

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22	21/11/11	Deque		CR		
23	22/11/11	Circular Queues		CR		
24	23/11/11	Priority Queue		CR		
		UNIT-IV				
25	24/11/11	Linked list	IV	CR		
		Single linked list		CR		
26	25/11/11	Rep of linked list in memory		CR		
		Operations on single linked list		CR		
27	26/11/11	Merging two single linked list		CR		
28	27/11/11	Reversing a single linked list		CR		
		Applications of single linked list		CR		
29	28/11/11	Polynomial Expression		CR		
		Sparse matrix manipulation		CR		
30	29/11/11	Adv and disadvantage of Graphs		CR		
		Circular linked list		CR		
31	30/11/11	Doubly linked list		CR		
		Mid-I				
	01/12/11					

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Period	Date	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		UNIT-V	V			
32	01/12/11	Tree: Basic tree concepts		CR		
33	02/12/11	Binary tree properties		CR		
34	03/12/11	Rep of Binary tree using array		CR		
		Rep of Binary tree using linked list		CR		
35	04/12/11	Operation on Binary Tree		CR		
36	05/12/11	Binary Tree Traversal		CR		
37	06/12/11	Traversal of Binary Tree		CR		
38	07/12/11	from inorder, preorder and postorder.		CR		
		UNIT-VI				
39	08/12/11	Advanced Concepts of Tree	VI	CR		
40	09/12/11	Tree Traversal using stack		CR		
41	10/12/11	Threaded Binary Tree		CR		
42	11/12/11	Binary Search Tree		CR		
		Basic concepts		CR		
43	12/12/11	BST operation		CR		
		In section		CR		
		Deletion		CR		
44	13/12/11	Balanced Binary Tree		CR		

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45	22/11/19	heeds, Basics and application in Computer Science		CR		
		UNIT-VII				
		Graph.	VII	CR		
46	22/11/19	Basics Concept		CR		
		Rep of Graphs		CR		
47	24/11/19	Using Linked list		CR		
48	24/11/19	Adjacency matrix		CR		
49	24/11/19	Graph algorithms		CR		
50	25/11/19	Graph Traversal (BFS, DFS)		CR		
		application.		CR		
51	26/11/19	Dijkstra's Shortest path		CR		
		Transitive closure		CR		
52	10/12/19	Minimum Spanning		CR		
53	11/12/19	Prim's Algorithm		CR		
54	12/12/19	Kruskal's Algorithm		CR		
		UNIT-VIII				
		SET	VIII	CR		
55	14/12/19	Definition		CR		
		Rep of sets using Venn diagram		CR		

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54	17/11/24	Operation & sets		CR		
55	18/11/24	Applications of sets		CR		
56	19/11/24	Information theory exercises		CR		
57	19/11/24	ADT: Abstract Data Type Introduction to abstracting		CR		
58	20/11/24	Model ADT on ADT		CR		
59	21/11/24	ADT operations.		CR		
60	22/11/24	ADT Data structure.		CR		
61	23/11/24	ADT imp & stack queue		CR		
62	24/11/24					
63	25/11/24					
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66	28/11/24					
67	29/11/24					
68	30/11/24					
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