UnitNo	LectureNo	TargetDate	LectureTopic	Methodology	MaterialUsed	References	Cos	AssessmentTools
1	1	01-15-2024	INTRODUCTION: Brief Review of stacks, queues	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes, Books Shared	CO 1	Assignment
1	2	01-19-2024	graphs	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes, Books Shared	CO 1	Assignment
1	3	01-22-2024	binary search tree	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes, Books Shared	CO-1	Assignment
1	4	01-23-2024	set and disjoints set union	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes, Books Shared	CO 1	Assignment
1	5	01-24-2024	general sorting algorithms	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes, Books Shared	CO 1	Assignment
1	6	01-29-2024	Analysis of algorithms	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 1	Assignment
1	7	01-30-2024	space and time complexity.	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 1	Assignment
2	8	01-31-2024	DIVIDE AND CONQUER SEARCH SORT GREEDY METHO	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	9	02-02-2024	binary search	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	10	02-05-2024	ternary search algorithm	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	11	02-06-2024	merge sort,	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	12	02-07-2024	quick sort,	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	13	02-09-2024	selection	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	14	02-12-2024	strassen's matrix multiplication	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	15	02-13-2024	analysis of algorithms for these problems	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	16	02-14-2024	Greedy Method : General method	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	17	02-16-2024	knapsack problem	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	18	02-19-2024	job sequencing with deadlines	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	19	02-20-2024	minimum spanning trees	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	20	02-21-2024	single source paths	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	21	02-23-2024	optimal storage on tapes,	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	22	03-04-2024	optimal merge patterns	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
2	23	03-05-2024	analysis of these problems.	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 2	Assignment
3	24	03-06-2024	DYNAMIC PROGRAMMING AND BACK TRACKING: Gene	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	25	03-11-2024	single source shortest path	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	26	03-12-2024	all pair shortest path	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	27	03-13-2024	optimal binary search trees	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	28	03-15-2024	0/1 knapsack	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	29	03-26-2024	the traveling salesman problem	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	30	03-27-2024	General method of backtracking, 8 queen's problem	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	31	03-29-2024	graph coloring	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	32	04-01-2024	sum of subsets	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	33	04-02-2024	Hamiltonian cycles	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
3	34	04-03-2024	analysis of these problems.	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 3	Assignment
4	35	04-05-2024	Unit-IV BRANCH AND BOUND: General Method	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 4	Assignment
4	36	04-08-2024	0/1 knapsack, traveling salesman problem.	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 4	Assignment
4	37	04-09-2024	traveling salesman problem.	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 4	Assignment
4	38	04-10-2024	NP-Hard And NP-Complete PROBLEMS: P, NP	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 4	Assignment
4	39	04-12-2024	NP-Hard and NP-Complete,	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 4	Assignment
4	40	04-15-2024	Cook's Theorem and Problem Solving	Using Audio Visual Technology	Computer/Projector/Control Remote/Padlet/M:	Unit 1 Notes and Books Shared	CO 4	Assignment