

	SCHOOL OF TECHNOLOGY ROORKEE		
	List of Experiments		
	EXPERIMENT NO.: CSE-DAA- LIST	ISSUE NO: 00	ISSUE DATE : 19.08.22
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DEPARTMENT OF COMPUTER SCENCE & ENGG.	LAB:Design and Analysis of Algorithm Lab(CS3541)		B.Tech SEM : V

LIST OF EXPERIMENTS AS PER CURRICULUM

S. No.	EXPERIMENTS	EXPERIMENT NO.
1.	Write a program to implement Quick sort algorithm for sorting a list of integers in ascending order.	CSE-DAA-EX-01
2.	Write a program to implement Merge sort algorithm for sorting a list of integers in ascending order.	CSE-DAA-EX-02
3.	Write a program to implement the dfs algorithm for a graph.	CSE-DAA-EX-03
4.	Write a program to implement the dfs algorithm for a graph.	CSE-DAA-EX-04
5.	Write a program to implement backtracking algorithm for the N-queens problem.	CSE-DAA-EX-05
6.	Write a program to implement the backtracking algorithm for the sum of subsets problem.	CSE-DAA-EX-06
7.	Write a program to implement the backtracking algorithm for the Hamiltonian circuit problems.	CSE-DAA-EX-07
8.	Write a program to implement Knapsack Problem.	CSE-DAA-EX-08
9.	Write a program to implement Dijkstra's algorithm for the Single source shortest path problem.	CSE-DAA-EX-09
10.	Write a program that implements Prim's algorithm to generate minimum cost spanning tree.	CSE-DAA-EX-10

Prepared By:	Approved By: