

Government Engineering College, Modasa
A.Y. - 2016-17, Odd Semester
2150703: Design and Analysis of Algorithms

PRACTICAL LIST

Sr. No	Definition
1	WAP to do Time analysis of following sorting algorithms: Bubble sort, Selection sort, Insertion sort
2	WAP to do Time analysis of linear search and binary search algorithm
3	WAP to implement Merge Sort
4	WAP to implement Quick sort
5	WAP to implement Heap sort
6	WAP to find factorial of n using recursive and iterative approach
7	WAP to implement Knapsack problem using greedy method
8	WAP to implement Activity selection problem using greedy method
9	WAP to implement Job scheduling problem using greedy method
10	WAP to solve Make a change problem using dynamic programming
11	WAP to solve knapsack problem using dynamic programming
12	WAP to solve chain matrix multiplication using dynamic programming.
13	WAP for graph traversal techniques: DFS & BFS
14	Implement prim's algorithm
15	Implement kruskal's algorithm.
16	Implement LCS problem using dynamic programming