Government Engineering College, Modasa

Department of Computer Engineering

350703: Design and Analysis of Algorithm

Practical List

Sr. No	Description
01	Perform following sorting operation and measure the execution time for sufficient large input: - Selection Sort - Bubble Sort - Insertion Sort
02	WAP to implement following search algorithms: - Linear Search - Binary Search
03	Perform following sorting operation and measure the execution time for sufficient large input: - Merge Sort - Quick Sort
04	Solve Given Problems using Greedy Strategy: - Make a change problem - Activity Selection Problem
05	Solve Given Problems using Greedy Strategy: - 0/1 Knapsack Problem - Job Scheduling Problem
06	Solve Given Problems using Greedy Strategy: - TSP Problem using Nearest Neighborhood Algorithm
07	Solve Given Problems Using Dynamic Programming: - Make a change problem - 0/1 Knapsack Problem
08	Solve Given Problem Using Dynamic Programming: - Matrix Chain Multiplication
09	Solve Given Problem Using Dynamic Programming: - Longest Common Subsequence (LCS)
10	Solve following problems using Backtracking - 4-Queen Problem - 8-Queen Problem