M.Tech 5 Years

Course Name: Advanced Algorithms

Batch: G1 an d G2

Digital Assignment 2

Answer any two of the following questions.

1. Provide a solution to the Travelling Salesman Problem using Approximation Algorithm. Take at least 8 cities and draw the graph. Explain your answer using your graph.
2. How will you find the shortest path to a goal node from a start node using A* algorithm. Explain it using a search graph.
3. Compare Quick sort algorithm with Randomized Quick Sort algorithm. Give examples.