CS 312: Artificial Intelligence Laboratory

Lab 4 report

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The objective of this assignment is to find the shortest tour, visiting all the given cities. This problem is commonly known as the ‘Travelling Salesman Problem’.

**METHODOLOGY**

Our approach is to use Ants Colony Optimization. Ants build networks based on visibility of destination and pheromone trails. Hence for any kth ant the probability of it choosing jth city, provided it is at ith city