

Walchand College of Engineering, Sangli
Computer Science & Engineering
Third Year
Course: Design and analysis of algorithm Lab
Lab course coordinator:
Dr. B. F. Momin- Batch: - T6, T7, T8
Mr. Kiran P. Kamble- Batch: - T1, T2, T3, T4, T5

Week 10 Assignment

Back Tracking

- 1) Implement the following using Back Tracking
 - a) 4-Queen's problem
 - b) 8-Queen's problem
 - c) Hamiltonian cycle
 - d) Graph coloring Problem
- 2) Implement following problem using graph traversal Technique
 - a) Check whether a graph is Bipartite or not using Breadth First Search (BFS)
 - b) Find Articulation Point in Graph using Depth First Search (DFS) and mention whether Graph is Biconnected or not.