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

1. Implement following problem using graph traversal Technique
   1. Check whether a graph is Bipartite or not using Breadth First Search (BFS)
   2. Find Articulation Point in Graph using Depth First Search (DFS) and mention whether Graph is Biconnected or not.