**LAB Experiments**

1. Implement the activity selection problem to get a clear understanding of greedy approach.
2. Get a detailed insight of dynamic programming approach by the implementation of Matrix Chain Multiplication problem and see the impact of parenthesis positioning on time requirements for matrix multiplication.
3. Compare the performance of Dijkstra and Bellman ford algorithm for the single source shortest path problem.
4. Through 0/1 Knapsack problem, analyze the greedy and dynamic programming approach for the same dataset.
5. Implement the sum of subset and N Queen problem.
6. Compare the Backtracking and Branch & Bound Approach by the implementation of 0/1 Knapsack problem. Also compare the performance with dynamic programming approach.