

## **Artificial Intelligence Lab, B.Tech 4th Semester**

### **Instructions**

1. This is only for practice. No need to submit it.
2. Complete it by 12:00 PM today. Your completion will be reviewed by the Teaching Assistants.

### **Practice Assignment 4**

1. Explore the 8 Queens problem by defining the state space search through both incremental and complete state formulations. Proceed to solve the problem and analyze the solutions obtained using Breadth-First Search (BFS), Depth-First Search (DFS), and the Iterative Deepening algorithm for comparison.