

In class Assignment 01

Instructions

- Only handwritten answers are submitted
- Indicate your name with initials, registration number and index number on the front page of your answer script
- Submit the answer scripts to ICT Lab on or before 26th of February, 2025

Apply the following four search algorithms to the below diagram. The answer should include search tree, queue, solution path, path cost and list of expanded nodes for each search algorithm. Assume S and G as the start state and goal state respectively.

1. Breadth-First Search (BFS)
2. Depth-First Search (DFS)
3. Uniform Cost Search (UCS)
4. GBFS Search

