School of Computer Engineering and Technology

T. Y. B. Tech. CSF (Artificial Intelligence and ML Techniques)

Academic Year: 2023-2024 Sem V

Artificial Intelligence and ML Techniques

Assignment 2 A* Algorithm

Title: Implement A* Algorithm for any game search problem

Aim: Solve 8-puzzle problem using A* algorithm

Objective: To study A* algorithm

Theory: Write in brief

1. Informed Search
2. A* algorithm
3. A* Algorithm Steps
4. What is the 8-puzzle Problem?
5. Solve 8 Puzzle Problem

Conclusion

FAQs

1. What is a heuristic function? What is the advantage of using heuristic function?
2. Explain different heuristic functions that can be used for the eight-puzzle problem.
3. Explain A* admissibile Property?
4. What is the difference between the A* and AO* algorithm?