**CSL 412 - Artificial Intelligence**

Assignment I (Announced on Aug 13, 2024 Submission Date – Sep 01, 2021 midnight)

**Use Iterative Deepening Search to solve the 8-tile puzzle.**

**Programmatically, randomly generate an initial state.**

**Check for its solvability.**

**If not solvable, randomly generate another initial state.**

**If solvable, use Iterative Deepening Search to get the sequence of moves for the solution.**

Submission

Submit your code address – uad.ai.assignment@gmail.com

Write your name, enrollment number and Assignment 1 in the subject of the email.

There will be an in-person evaluation after the submission. Submission is deemed to be complete only after the in-person evaluation.