# Learning Outcome:

Students should be able to

* Understand the basics working of search algorithm
* Identify and Implement the right search technique
* Compare the performance of search implementation using python and interpret the result

# Prerequisite:

Students should have gone through

* The courseware materials mapped to **Module - 2.1** **Search Strategies**
* The Lab Sheet **Lab Reference 1.doc**
* Basic working knowledge in python programming

# Exercise 1: Implement Informed and Uninformed Search

### Problem Statement:

Given a binary maze with obstacles and traversable blocks, find the shortest path between a source cell and destination cell. We can move up, down, left and right from a row-column pair. Use Depth First Search(DFS) as your search technique. Compare and interpret the efficiency of your implementation with BFS available in the Lab Reference Sheet.