

# CSCI-651 Algorithm Concepts

## Programming Assignment No. 2

Due date: July 1st, 2019

A *shortest path* between nodes  $i$  and  $j$  in a graph is a path from  $i$  to  $j$  such that the sum of the weights of the edges along the path is less than or equal to the sum of the weights along the edges of any other path from  $i$  to  $j$ . In this programming assignment, you will find the shortest path from A to I by implementing Dijkstra's algorithm.

