**UCS 2312 Data Structures Lab**

**Assignment 10: Implementation of Shortest Path Finding algorithm**

**Date of Assignment: 08.12.2022**

The cityADT contains the number of cities and the connectivity information between the cities (adjacency matrix). Write the following methods. [CO1, K3]

* void create(cityADT \*C) – will represent the graph using adjacency matrix
* void disp(cityADT \*C) – Display the graph
* void Dijkstra(cityADT \*C)

– Displays the intermediate and final tables

* char \* displayPath(cityADT \*C, source, destination)

– Find the path of the intermediate cities between the source and destination cities along with the cost