**IT5412 ADS Lab Assignment (Graphs)**

1. Write a C++ program to read a graph, display its adjacency matrix and sort its vertices using Topological Sort. (5)
2. Write a C++ program to read a graph, display its adjacency matrix and traverse the graph through Breadth First search and Depth First Search algorithm. (5)
3. Write a C++ program to read a graph, display its adjacency matrix and to find the shortest path from the source vertex to destination vertex using Dijktra’s Shortest Path algorithm. (5)