



East West University

Department of Computer Science & Engineering

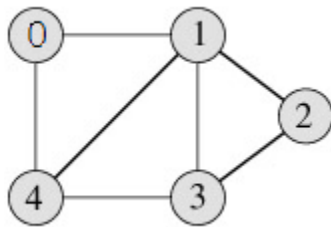
A/2, Jahurul Islam Avenue, Jahurul Islam City, Aftabnagar, Dhaka-1212

Lab Manual : 08
Course Code : CSE207
Course Title : Data Structure
Instructor : Tanni Mittra, Lecturer, CSE

Objective:

The objective of this lab is to provide basic concept of Graph. At the end of the lab, students are able:

- To learn how to create Graph
- To learn how to perform Insertion, Deletion of nodes in Graph
- To learn how to traverse nodes of a graph



Exercise 1:

Create and Display Graph

Here you have to take a number of nodes as input and the source and destination of connecting edge. After taking input display the full graph with the number of edges and nodes

Exercise 2:

Add new vertex and edge

Add a new vertex to the graph and add an edge between the two vertices of the graph.

Exercise 3:

Delete vertex

Delete a vertex and its edges from the graph.