**Department of IT & CS**

**Course Instructor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Semester: Fall 2023**

**COMP-201L**

**Lab 12: Graphs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **CLO1** | **CLO2** | **CLO3** |  |
| **Name** | **Reg. No.** | **Lab Tasks Marks**  **20** | **Report**  **Marks**  **5** | **Viva**  **Marks**  **5** | **Total**  **Marks**  **30** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Lab Task 1:**

**Write a C++ program to Traverse a graph using BFS.**

**Lab Task 2:**

**Write a C++ program to Traverse a graph using DFS.**

**Lab Task 3:**

**Write a C++ program to find the shortest path between two people from a network of people connected(Like vertices connected in graph).**