Design & Analysis of Algorithms
Monsoon Semester III 2020-21
Lab - 7 Due Date: **20 November 2020**
Topics: Graphs
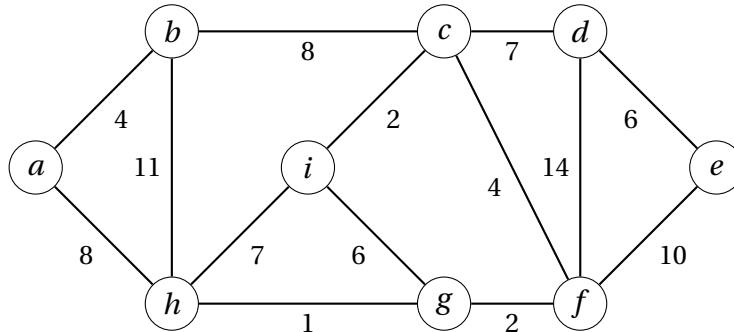
INTRODUCTION

In the lab, we would be solving problems based on graphs.

EXERCISE

1. Compute the MST of the graph shown in figure 1 using Prim's and Kruskal algorithm. Consider **'a'** as source vertex (show the steps).

2. Compute the shortest path using Dijkstra's algorithm considering **'a'** as source vertex to all the vertex.

Figure 1: Compute MST