Graph Theory Project proposal

K21-4549 Aahil Ashiq Ali

K21-4596 Khubaib Khan Lodhi

K21-3328 Khuzaima Ahsan

Kruskal Algorithm for both connected and disconnected graphs

Programming Language = Python

Visualization : MatPlotLib + Tkinter

Aspirations : Code for Kruskal Algorithm for connected graphs could be found anywhere. We decided to do value addition by doing it for unconnected graph as well.

Functions :

1\_ You can define number of vertices

2\_ You can add edge with specifying weight

3\_ You can remove edge

4\_ You can calculate minimum spanning tree/ forest

5\_ You can clear the graph to make new graph

6\_ You can quit to destroy the window