

## Assignment – 10

1. Given a connected undirected graph  $G = (V, E)$ . Find a MST using Kruskal's algorithm where the disjoint-set data structure is implemented using
  - Doubly linked-list with head, tail and representative
  - Tree with union by height/rank
2. Given a connected undirected graph  $G = (V, E)$ . Find a MST using Prim's algorithm where
  - Linked-list is used to store all the edges of the Cut and then find the minimum weight edge