**Definition:**

a spanning tree T of an undirected graph G is a subgraph that is a tree which includes all of the vertices of G, with minimum possible number of edges.

**Difference Between Prim’s and Kruskal’s Minimum Spanning Tree Algorithm:**

In Kruskal's algorithm it begins with an edge, but in Prim's algorithm it start with a node. ... Kruskal's algorithm works on both connected and disconnected graph while in Prim's algorithm restricted on connected graph. Kruskal's has a time complexity of O(ElogV) while Prim's time complexity is O(V2).

**Application Of Minimum Spanning Tree:**

Telephone network