

# Data Structures and Algorithms

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## Agenda

- Dijkstra Algorithm
- Memoisation
- Dynamic Programming

## Min Spanning Tree

- MST -- Kruskal's algo or Prim's algo
- To connect all vertices with minimum total weight.
- Optimal resource planning

## Shortest Path Algorithm

- SPT -- Dijkstra's algo or Bellman Ford algo.
- To reach any vertex from given vertex in minimal distance.
- Quickest way to reach desired destination