Course Overview

Brij Raj Kishore

1. Graph Representation
2. Depth First Search (DFS)
3. Finding Connected Components
4. Bipartite Graph Test (Two Coloring)
5. Cycle Detection
6. In/Out Times of Nodes
7. Finding Diameter of a graph/Tree
8. Finding Bridges (Cut Edge)
9. Finding Articulation Points (Cut Vertex)
10. Finding Euler Circuts
11. Breadth First Search (BFS)
12. Cycle Detection Using BFS
13. Finding Shoretest path from a given node to any other node (in unweighted graph)
14. Finding Strongly CC (Kosaraju's Algorith)
15. Finding Strongly CC (Tarjan's Algorithm)