Topics to be covered for Lecture 24

* Graph Definition
* Graph concepts

1. Directed, Undirected graph
2. Weighted ,non weighted graph
3. Multigraphs
4. Trees,Forest
5. Vertices, edges, Path, indegree, outdegree, cycles, subgraphs
6. Cyclic graphs,reachability,connectivity
7. Neighborhood
8. Sparse and dense graphs

* Graph Applications

Lecture 25

* Graph representation

1. Adjacency Matrix
2. Adjacency List
3. Adjacency Multilist

* Graph Traversal Techniques

BFS and DFS algorithms. Tracing with some examples

Lecture 26

* BFS and DFS implementation using adjacency Matrix

Lecture 27

* BFS and DFS implementation using adjacency List