Module 3

CHAPTER 3 Graphs

Syllabus Topics

Introduction to Graphs : Undirected Graph, Directed Graph, graph terminology, Connectivity in Undirected and Directed Graphs. Spanning tree. Representation of graph: adjacency matrix, adjacency list, Transitive closure of a directed graph and path matrix.

Traversals : Breadth First Search, Depth First Search.

Self-learning Topics : Implementation of BFS, DFS.