

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI

Second Semester 2014-2015

CS F211 Data Structures and Algorithms

Lab Sheet – 10

You are given riverpath network where boat jetty is a vertex and riverpath [edge] is from one jetty to nearby jetty. Cost of travelling from some jetty to nearby jetty is at 1rs/km. Thus, weight of each edge is the distance of that edge.

TASK - implement above riverpath as graph using

- 1) adjacency matrix
- 2) adjacency list
- 3) edge list[take home]

1) Input: You have 100 RS and starting at an arbitrary jetty (v)

Output: print all the jetties that can we cover [**BFS**]

2) What is a cost of travelling to all destination? (**DFS**)