

Programme	:	B.Tech	Semester	:	Fall 20-21
Course	:	Data structures and Algorithms (Embedded Lab)	Code	:	CSE2003
Faculty	:	Dr.B. Saleena / Dr.V.M.Nisha	Slot	:	L43+L44

**Exercise No: 12 (27/10/2020)**

**Greedy Algorithms (Single Source Shortest path)**

The Tamil Nadu government wants to provide electricity to five villages from the current power transmission unit established at village B as shown in the following graph. The weights on the edges represent the distance in kms between the vertices. The cost of the electric cable per km is Rs.120 approximately.

- (i) Write a C program to find the shortest path from Village B to all other villages. (Single Source Shortest path)

