

Computer Science and Engineering Department, SVNIT, Surat
M.Tech.-I, Semester-1
Foundation of Data Science (CSDS111)
Lab Assignment - 8

[1] Write incidence and adjacency matrices for the given graph shown in Fig. A and write python code to prepare the matrix, and for each matrix

- (a) Display the total number of edges
- (b) Number of edges connected with each node
- (c) Nodes with maximum and minimum edges
- (d) Nodes with equal no of edges
- (e) Display the shortest path
- (f) Display minimum spanning tree

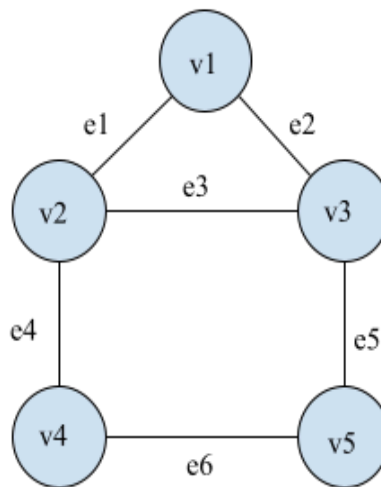


Fig A