

TRANSPORTATION ENGG. LAB (CE29003)

Prim's Algorithm

Code Presentation By :-

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About Code :- (Code is running and giving a desired output.)

We did coding part in winter break when we were having small load during winter break.

Code written explicitly so no need to use only that particular excel i.e. copy paste copy from module of excel (or from text file provided by our group) and paste on other excel and set short cut (ctrl + j) to macro named Home_welcome.

Everything required for putting code in a module is described in first few comment lines of code.

As it has dynamic programming to create pages as it will required for inputs and you can select action as per your wish (like in which format you want to input data and other necessary inputs).

Error handling is done as much as required.

For user friendly, we keep two input format. In "Edge Format" you can set data according to edges information and In "Node Format" you can directly place data there. For nodes input you can choose your own notation in case you are giving input through "Edge Format" and in "Node Format" node numbering would be done automatically so it gives you a choice how you feel comfort in input as per your requirement.

After data entry you can see result board.

If you want to put result for future reference you can click on download and after putting necessary info it will be saved on your required location.

So this was small description of our Code Implementation.

Problem Faced :-

1. Its was alright for taking inputs through “Edge Format” upto infinity number of edge inputs.

But for “Node Format” it was tricky because square matrix goes behind ‘Z’ column if we give high number of nodes as inputs. We can do it by manipulating with number and column string interchangeably but this will make our code a little bit hectic and in reverse back we again change that column string with number hence two time problem. This reason make our code somehow less user friendly as input taking is limited in “Node Format”.

2. We write our code fully from scratch so it was obvious to have a more problem on content place (design part) as there is no ‘Inspect’ option here as we can do in Web Development. Any how these were some little problem but take a lot time. We didn’t directly put macro on because by doing this a lot of unnecessary line added and result into slowness of our whole program. hence we removed most of unnecessary line and make code clean.

***I am Submitting Text file of VBA code so follow instruction given in first few lines of code so that it could place in module directly and set shortcut to macro named ‘Home_Welcome’ and press shortcut to execute it. Hope you will like it.**