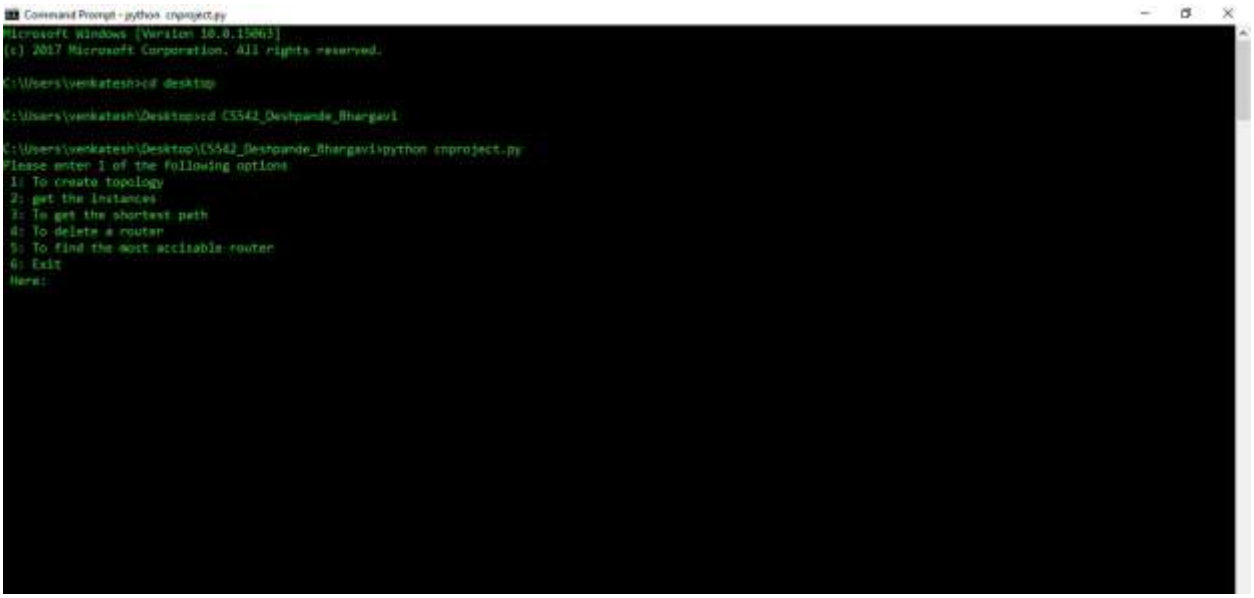
USER MANUAL

- Instructions to run the project

  The zip file contains the following:

  - Cnproject.py
  - 2 Test documents (Topology.txt and Test.txt)
  - CS542Project.pptx
  - Projectreport.pdf
  - User Manual.pdf
  - Sourcecode.txt contains the code. If cnproject.py is opened using IDLE then code can be seen directly else sourcecode.txt contains the code for reference.

- Place the topology.txt document in the same folder where the .py file is stored i.e the CS542_Project.zip file.
- Use “cnproject.py” from the zip file and run it in the command prompt with “python cnproject.py” command. Main menu with options is displayed on prompt.



- Choose option1 to open the text file topology.txt/test.text.
- Choose option2 to select the source router and print its corresponding routing table. Can select only those routers which are not down else source inactive error is thrown.
- Choose option3 to select the destination router and calculate the shortest path and cost between the source and destination routers. Can select routers which are not down.
- Choose option4 to modify, i.e to delete a router. This shows the updated router table and the updated path and cost if the source and destination is entered. Else it displays source is none and destination is none. And prompts user which router to make it down. The selected router is made down.
- Choose option5 to Broadcast the best router in the network. The most accessible routers total cost is displayed along with the router.
- Choose option6 to exit the Network.
- The tool in which the code was developed is PYTHON 2.7. Command prompt is used to execute the code.