

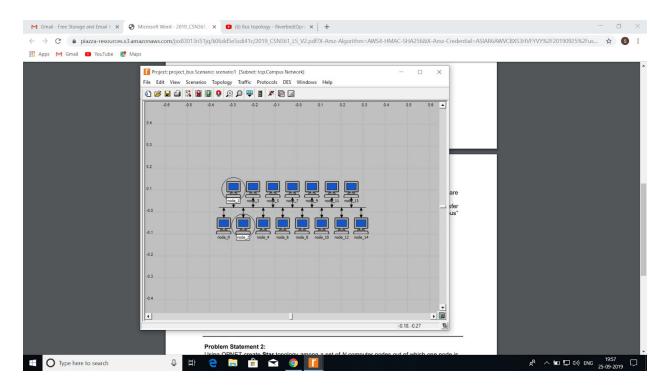
Assignment Report

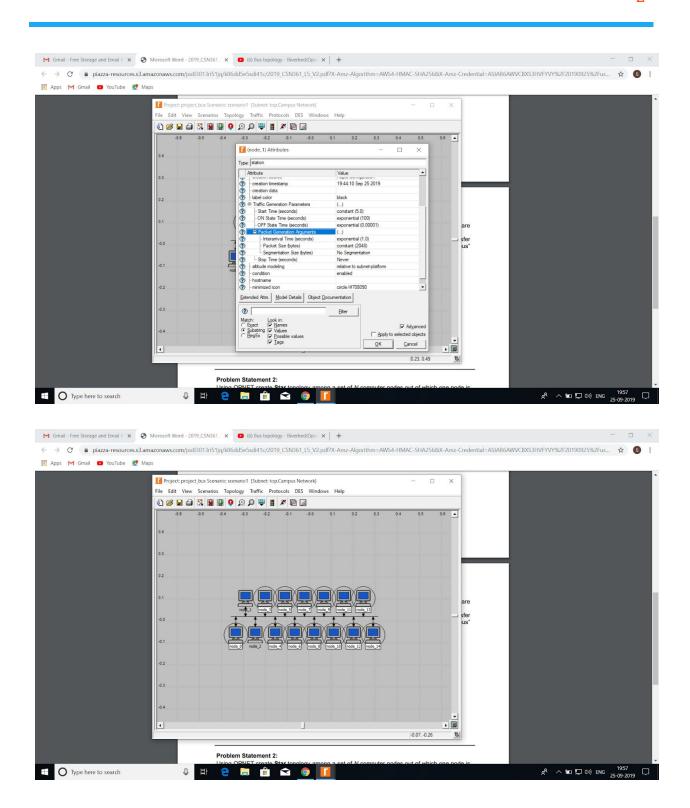
This report contains work from Assignment 5 of course CSN 361.

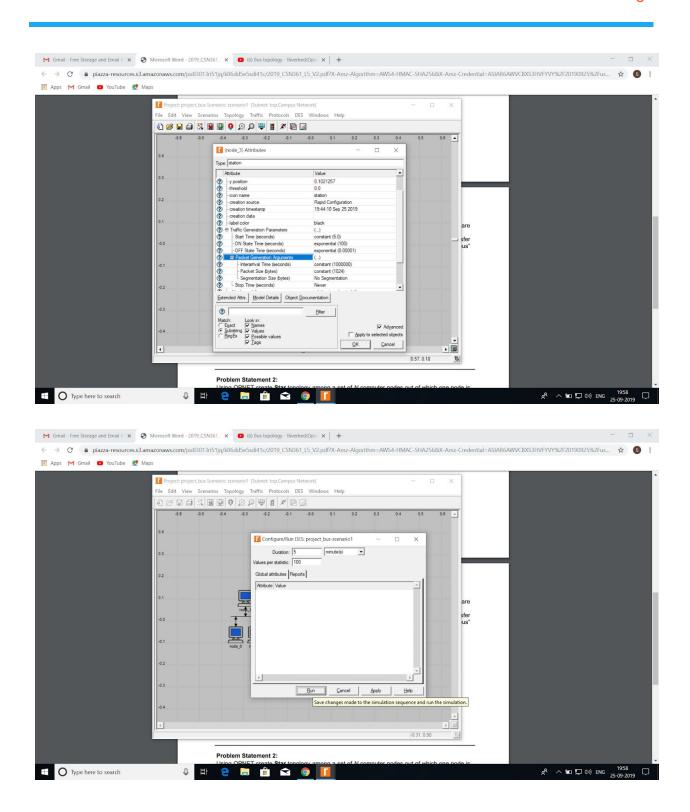
Name- Kaustubh Trivedi Enrollment Number - 17114044 Class - CSE B.Tech. 3rd Year Submission Files - <u>Repository Link</u> **QUESTION 1:** Using OPNET create Bus topology among a set of N computer nodes out of which two nodes are source and the rest are sink nodes. Model the traffic of source and sink nodes individually and demonstrate the packet transfer between them using Ethcoax (Ethernet using coaxial) cables. Use network scale as the "campus" of area 1km x 1km.

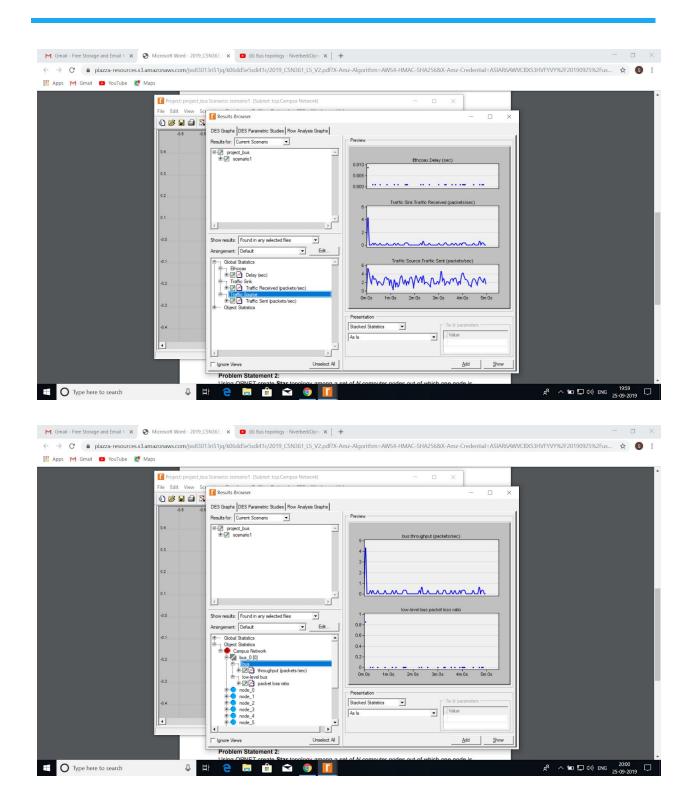
SOLUTION:

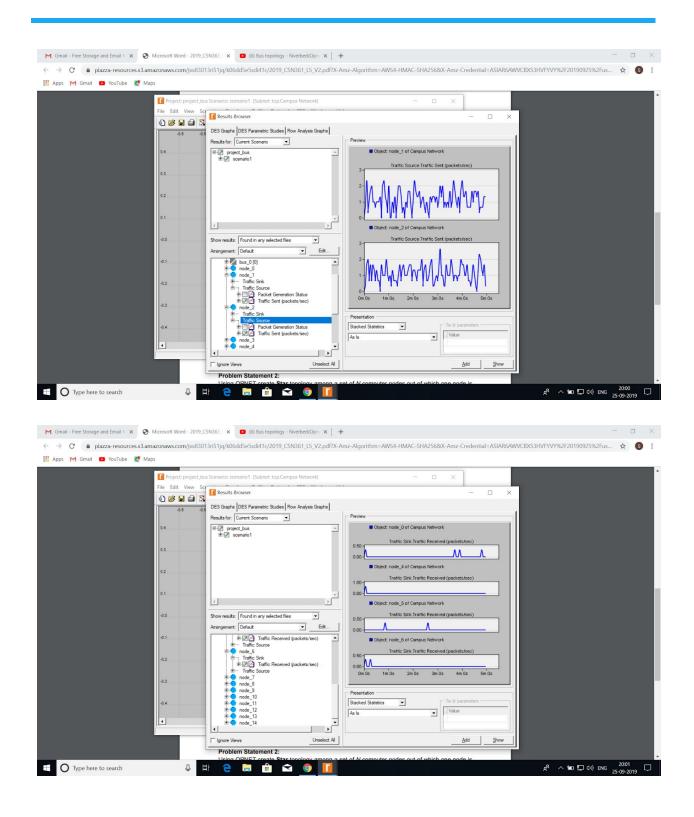
Here I have used N = 15 for the simulation, Node1 and Node2 as source and others as sink, with the settings and results as shown below:











QUESTION 2: Using OPNET create Star topology among a set of N computer nodes out of which one node is source and the rest are sink nodes. Model the traffic of source and sink nodes individually and demonstrate the packet transfer between them using Ethcoax (Ethernet using coaxial) cables. Use network scale as the "campus" of area 1km x 1km.

SOLUTION: Here I have used N = 6 for the Star Topology, with Node0 as the source and rest as sink. Other settings and results are shown below:

