**ECEN 602 HW 5**

**Network Simulation Assignment**

**Team Number 8**

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The following files have been uploaded:

1. report.pdf
2. ns2.tcl
3. readme.txt

**Design:**

1. Design the network topology with the mentioned configuration details i.e the given RTT’s and flavors. The links are all duplex and we have assumed the Droptail queuing mechanism.
2. Create TCP agents, src1 and src2 and TCP sinks, rcv1 and rcv2.
3. Add FTP traffic source over these TCP agents.
4. Proc Finish{} displayes throughput for both the sources and executes the NAM file.
5. Proc Record{} calculates throughput at every 0.5s to calculate average throuput.
6. Both sources start sending data at 0s and stop at 400s.

**Implementation:**

1. In the command line open the directory where we have saved the file.
2. Use the following command to execute ns2.tcl:

**ns ns2.tcl <TCP\_flavor> <case\_no>**

**eg. ns ns2.tcl SACK 1**

(we have assumed the Droptail queuing mechanism).