

CSL838 Wireless Networks

Project Proposal

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- Objective: To implement and compare TCP Tahoe with TCP Reno on wireless and wired links.
- Project Requirements: We require the following hardware/software entities.
 - Linux machine: For deployment of protocols and network simulator
 - Network Simulator: We will be using NS-2 for implementing the protocols as well as simulating the wireless and wired networks.
 - Analytical Tools: We wish to use AWK/MATLAB/PYTHON libraries for performance analysis of the protocols.
- Project Timeline:
 - **20th January-5th February:**
To understand TCP Tahoe and TCP Reno theoretically.
 - **6th February-25th February:**
To understand working of NS-2 Network simulator.
 - **26th February-30th March:**
Implementation and integration of TCP Tahoe with NS-2 followed by test build.
 - **1st April-10th April:**
Run simulations, obtain data for different scenarios and analyse data.

NOTE: It is possible that we may start the implementation of the project earlier than mentioned. As a result, the above mentioned milestones might be achieved ahead of their scheduled time.