

EE/CPE 423
Fall 2002 / Spring 2003
WEEKLY STATUS REPORT

Group: **12** Date: **December 8, 2002** Report No.: **12**

Project Title: **Redesign of the Stevens Campus Network**

Group Leader: **Philip Tan** Advisor: **Prof. Sumit Ghosh**

Sponsor / Client: **none officially, but design is for the Stevens network**

Number of hours spent by group on project in the past week: **~ 25 hours**

Project on Schedule: **YES**

Weekly Status:

The ping statistics were reviewed. Graphs were created to better illustrate the strengths and weaknesses in the network. These graphs were presented in the final report. The graphs showed that the network wiring was sound. Pings to a student's computer in another dorm had relatively low latencies. Pings to computers in other dorms showed similar results. Pings to Attila, however, demonstrated much higher latencies. Since the other pings were relatively low, the high latencies from Attila were attributed to Attila's high load.

The tcpdump file from the monitoring of a group member's network usage was parsed and analyzed. Of particular interest was a file transfer between two group members living in the same dorm. The throughput of this file transfer was surprisingly low, given the nature of the wiring in the dorm.

Work on the final report was completed. Our presentation was given to Prof. McNair on Thursday. Also, our E421 presentation was given on Thursday.

Preliminary planning for next semester is being done. An inventory of group members' extra computers is being taken for the mock network setup. Prof. Ghosh also said that he could provide some extra computers as well.