

**EE/CpE 415/423 – 416/424  
2002 Fall – 2003 Spring  
WEEKLY STATUS REPORT**

**Group No. :** 11

**Date:** 02/23/03

**Report No. :** 17

**Project Title:**

Project for Media Riche Lecture Delivery

**Group Leader:** John Hoyt

**Advisor:** Prof. Heffes and Prof. Yao

**Sponsor/Client:** None

**Number of Hours Spent on Project by Group in Past Week:** 45

**Project on Schedule:** YES

**Weekly Status:**

The group has been working on integrating the CD-RW, Firewire card, and wireless microphone into the existing setup. The CD-RW and wireless microphone have been fully integrated.

The wireless microphone had a choppy signal on the recorded medium (real video file) this issue has now been resolved. No further integration work will need to be conducted on the wireless microphone.

The Firewire card caused several different problems on the system. Red Hat 7.2 does not support Firewire cards without a kernel patch on top of a custom compiled kernel. Due to this reason, it was decided by the group to upgrade to the latest version of Red Hat Linux (8.0). The Firewire card now registers the existence of the DV Camera and receives in a distorted streamed signal. Based on further research of the DV Camera on Sony's white pages, it has been found that unlike normal DV Cameras that stream their signal in the AVI format, Sony streams in a customized MPG2 format. Currently several different codec's are being looked into to handle this problem.

An additional problem with the server has cropped up. In upgrading to Red Hat 8.0, Apache web server was upgraded from 1.3 to 2.0. This upgrade invalidated all configuration files for the previous web server. This issue is currently being resolved and should be fixed by the end of the week.

The group has also been working on integrating the newly compiled software

package with the video camera. Unfortunately, the group still needs to work further on this integration before the new software is capable of being used. Currently scripts are being written to streamline the use of the new recording software as well as add a user interface to it.

Finally, the group has begun development for the web server. It is intended of the group to allow a “cluster download” section for students wishing to download more than on class at a time. Since files will have a large file size, clustering the desired files into one large .zip file should shorten download times.