

**EE/CpE 423-424
WEEKLY STATUS REPORT**

Group #	12	Week ending: (Saturday)	02/25/06	Report #	06
Project Title:	Data Acquisition and Storage System (DASS)				
Group Leader:	Joseph Kilroy	Advisor:	Bruce McNair		
Sponsor/Client:	Davidson Laboratories				
Total number of person-hours spent on project by group during past week:				42	
Is project on schedule?		Yes	[x]	No	[]

Weekly status:

Joe and Shaina met on Tuesday to discuss the User Interface (UI) for the data logger. Shaina will be writing the HTML to create the UI. Shaina and Joe reviewed the various portions needed for the UI including a data download portion, a program upload portion, and a help section with instructions on how to use the software and the DASS.

The entire team met with Professor McNair on Wednesday. At the meeting Jeremiah and professor McNair discussed potentially using Pelican cases for the DASS. These cases are both waterproof and shock resistant. Jeremiah will be exploring the possibilities of using such a case. The team also discussed the BOA web server, which is a lightweight web server that could be used to host the UI on the DASS. Professor McNair also suggested that the team use different user accounts in the board's operating system for different tasks. The logins could be automated to perform tasks such as downloading, allowing for a login account to just download the data and the logout with a bash script. The possibility of using an ftp server was also suggested for the data download. The issue of a permanent IP address was also discussed. How will the user know how to access the DASS on a network?" What will its IP address be? It was also realized that there is often a serial to Ethernet adapter used to connect to a cellular modem. Will this impede the data rates a lot or not?

When the team met later in the day tasks for the week were assigned:

1. Jeremiah- Will review the needs for the Midterm paper and looking into the Pelican Casing as well as wait for additional optical isolator parts.
2. Pauline will research BOA and work on how the UI will be operated in the background.
3. Shaina talked to purchasing about the USB A male to USB A male cables that the team was waiting for.
4. Joe continued to work on the talking to the Campbell via the serial port as well as the serial port code that he has been working for a while now.

Weekly report is due to Senior Design Coordinator and TA by Noon Monday. Email submission is greatly preferred - submit using WebCT, email to sd@koala.ece.stevens-tech.edu or individual emails. Copy should be sent to advisor