

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

Group #	12	Week ending: (Saturday)	09/17/05	Report #	01
Project Title:	Data Acquisition and Storage System				
Group Leader:	Joseph Kilroy	Advisor:	Bruce McNair		
Sponsor/Client:	Davidson Laboratories				
Total number of person-hours spent on project by group during past week:				23	
Is project on schedule?		Yes	[X]	No	[]

Weekly status:
<p>This week the group was established and we began to define our project. Team Leader, Joe, met with Prof. Michael Bruno on Tuesday afternoon, head of Davidson Laboratories to determine what the team could do for Davidson Labs, as had been discussed with a member of Davidson's staff. The project definition decided upon was an add-on to the Campbell Scientific data loggers that are currently in use at Davidson Laboratories (DL) and around the world. The loggers don't provide fast enough download rates or large enough storage space for the data. The group is to add these features and potentially others as the project continues. On the same day, Joe also met with the group's advisor, Prof. Bruce McNair to have the group advisor sheet signed.</p> <p>Research was performed by each of the members of the group on topics decided upon the previous week, when the group had initially begun forming. Jeremiah performed research on Single Board Computers (SBC), Shaina on solar power and power supplies for the device, Esther on ethernet connectivity for the Campbell data loggers and A/D conversion, and Joe performed research on serial ports and temperature measurement using thermistors.</p> <p>Meeting on Thursday afternoon, the group began to plan out the basic design of the project and what features the software aspect would require. This will allow the team to begin to prepare further design analysis. The group decided to prepare block diagrams at the next meeting and to begin to decide which parts would need to be purchased for this project. Joe is also charged with finding a manual for the Campbell Scientific data logger.</p>

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