

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

|   |  |                                    |                     |                 |            |
|---|--|------------------------------------|---------------------|-----------------|------------|
| <b>Group #</b>  | <b>12</b>                                  | <b>Week ending:<br/>(Saturday)</b> | <b>10/29/05</b>     | <b>Report #</b> | <b>07</b>  |
| <b>Project Title:</b>   | <b>Data Acquisition and Storage System</b> |                                    |                     |                 |            |
| <b>Group Leader:</b>  | <b>Joseph Kilroy</b>                       | <b>Advisor:</b>                    | <b>Bruce McNair</b> |                 |            |
| <b>Sponsor/Client:</b>  | <b>Davidson Laboratories</b>               |                                    |                     |                 |            |
| <b>Total number of person-hours spent on project by group during past week:</b> |  |                                    |                     | <b>30</b>       |            |
| <b>Is project on schedule?</b>  |  | <b>Yes</b>                         | <b>[ X ]</b>        | <b>No</b>       | <b>[ ]</b> |

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| <b>Weekly status:</b>  |
| <p>The group's week began with a meeting with Prof. McNair on Tuesday where hardware options were discussed. The team discussed whether the flash memory should be easily removable or hard to remove. The question of vibration issues was also brought up along with a potential board setup called Gum Stix, which the team has begun researching. Prof. McNair also asked the group to look at the project for potential for a wider application.</p> <p>The Thursday group meeting revealed that the MicroITX would not serve the group's cause at all according to Shaina's research. Also, the USB adapters required for the project are readily available in at a cost of about 4 dollars each according to Jeremiah's research. Jeremiah also researched and learned a lot about flash memory, yielding some valuable information. It was decided that hard to remove flash memory would be the best option to begin with, reducing complications with vibrations and potential to break. The team agreed to decide on which board will be used by next week and to leave off solar power from the project for now.</p> <p>Pauline and Joe completed some pseudocode and will submit more next week. Pauline will begin the website for the project. Joe is to send her the weekly reports and proposal in pdf files. The website will also include group member profiles and a links page to Davidson Labs, the ECE department, and Campbell scientific. Additional portions of the webpage will be discussed later on.</p> <p>Various dates for the project have been decided upon. The parts list is to be prepared by November 10<sup>th</sup> and the final report is to be prepared before Thanksgiving. All portions of the final paper are to be drafted by November 14<sup>th</sup> and slides for the presentation are to be drafted by November 22<sup>nd</sup>. The pseudo coding is to be completed by November 22<sup>nd</sup> as well.</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**