

IOWA STATE UNIVERSITY

Senior Design Weekly Report

Weekly Report 1

Group: May-06

Group member: Chongli Cai, Qiaoya Cui, David Hoffman, Andrew Kom, Ailing Mei

Client: Garmin International

Advisor: Dr. Colin Christy

Period: 8/28/2012-9/2/2012

Date: 9/2/2012

Goals to Meet

This first week, we spent our time exchanging all contact information including, name, phone number, email, and class schedules. This way, setting up future meeting is simplified. We have determined that our regular meetings will take place on every Thursday, from 3pm-4pm.

Weekly Progress

This past week on Thursday, we met with Dr. Christy to discuss what the proper way to start a design process was. With his help, we started a "pre-requisite tree" that would help us narrow down what the key elements of the design are, and help us divide the project into separate issues to solve before the final project compilation. We developed the start of a tree and made some derision regarding design requirements, such as the need for the project to not draw any power from the system it is being used to measure. This fact led us to make some decisions regarding how we would measure certain aspects, such as current. We also worked together to find things in the design description that are still unclear to us, such as the request to have a temperature sensor in the system or measuring the logger unit itself.

Future Planning

For the coming week, we are looking to develop a list of clarifying questions to ask the representative from Garmin, to gain a better understanding for the requirements of the project.

Pending Issues

The issues that we are dealing with at the start of this project include some unclear parts in the project description. These will hopefully be cleared up upon talking with the Garmin representative.

Individual Contributions

Andrew: Got in contact with Dr. Christy and the Garmin representative, determined an appropriate time to meet every week and schedule the meetings for last week and for this coming week, emailed out contact information to all group members and wrote the first weekly report

Chongli: Established a website for our project, and distributed links to all the group members, also developed an understanding for PCB design using Express PCB

Ailing: Determined an appropriate location to hold future meetings, as well as determined a way to hold an effective teleconference

Qiaoya: Aided in developing a better understanding on project requirements

David: Presented a basic understanding sketch, as well as helped the group understand the scope of the project