CprE 492 Weekly Report DEC15-11 Week 23 (10/27/15-11/1/15)

Advisor: Lee Harker **Client:** Matt Besser
Members (roles):
Shiai Liu (communication);
Eric Graika (Webmaster);
Luke McDoalnd (communication);
Scott Hood (Leader);
Daniel Keith (Key concept holder).
Project Title: Laboratory instrumentation and monitoring

Weekly Summary:
During our meeting with matt, we made a few changes with how we're transmitting data from the Pi instead of sending voltages converted to celsius or psi it will be done locally on the server instead so all 8 channels can be either pressure or thermal sensors. The pi will send voltage to the database and it will convert the voltage to the desired unit based on the website setting.

Accomplishments:

1: Graphing page on the website has first version completed

Pending issues:

1: update documentation

2: work on the server and database

3: Programming/debugging Raspberry Pi

4. Work on user guide and improve

Plans for next week:

1. Work on database and website

2. Build the first monitoring box

Individual Contributions:

Shiai Liu : Worked on documentation and prepare for the slides on presentation. Gathering parts for next week's box build work.

Eric Graika: Worked to set up correct sql queries and pulling correct data to pages to be displayed.

Luke McDonald: Worked on creating a graph page for users so they can graph information over the course of time. Going to work with eric to get additional things added to this page as well

Scott Hood: Worked on implementing changes to the main website page and how the session variables for the login would worked. Finished up basic document design for adding pi to the network, also organized how the server is going to be managed after we are finished with Informational Systems.

Daniel Keith: Worked on documentation and start on the powerpoint presentation and updated various designs to meet current work. Setting up hardware and tools for prototype build next week

Total contributions for the project:

Name	This Weeks hours	Cumulative
Shiai Liu	**6**	**99**
Eric Graika	**8**	**110**
Luke McDonald	**6**	**101**
Scott Hood	**8**	**110**
Daniel Keith	**5**	**108**