

CPRE 491 -May20-04

CPRE 288 Embedded Systems Platform Movement and Code Optimization

Week 5 and 6 Report

October 14 - October 27

Client: ISU 288 Dr. Jones and Rover. Matthew

Team Members:

Jacob Aspinall – Team communication leader

Geonhee Cho – Report manager

Issac Klein – Note taker

Jisoo Han – Team Git master

Sam Rai – Team web master

Nathan Nordling – Team data manager

Weekly Summary

We could not meet with the advisor at week 5 and week 6. Individual team members working with specific issues now. Somehow, we need to make milestone to work on the project.

Past Week Accomplishments

Jacob Aspinall

- Added ability to send packets to and from the simulation microcontroller.
- Finished writing tests for lab7

Geonhee Cho

DSS work

- Figured out how to set-up or work with DSS through CCS.
- Make a simple test using with Javascript and try to run it from CCS

Test lab1

- Use the DSS and tried to test simple word “Hello World” but it did not work well.

Jisoo Han

Git repo

- Created new brand git repo for our project team which include nothing. We will use this repo for uploading final version of optimized code at the end of the semester.
- All members are invited to git repo and each member got permission to access and modify files.

Sam Rai

- Went over the chapter 2 and 7 to understand more about the GPIO and ADC.

Issac Kleinsd

- Continue to make test cases in a similar manner for all the timer methods

Nathan Nordling

- finished clearing build errors in the repo
- Coming weeks- review more of lab 7 issues, create spreadsheets for data, look into wifi issues

Individual Contributions

Team Member	Contribution	Weekly H	Total H
Jacob Aspinall	lab7 tests, ping sensor simulation	12	40
Geonhee Cho	Use CCS to make simple test for DSS test. To use lab 1 to print out hello world.	12	37
Jisoo Han	Git repo work, to invite the all group members at specific git repo.	12	37
Sam Rai	Went over the chapter 2 and 7 to understand more about the GPIO and ADC.	12	36
Issac Klein	Continue to make test cases in a similar manner for all the timer methods	12	36
Nathan Nordling	fixed all build errors in current code	12	36

Plans for Coming Week

Jacob Aspinall

- To make UART communication reliable at high speeds(add FIFOs), debug issue where disconnected wires are triggering edge event interrupts, If I have time, start working on Lab8 tests.

Geonhee Cho

- Make DSS simple test to work (LCD)
- Learn JavaScript to make the build project file for DSS

Jisoo Han

- Work on the one of git issues which about Requirements and test for roomba lcd.
- Gather the requirements we have for lcd.c and develop a series of tests for these requirements.

Sam Rai

- In the lab, I'm reviewing all the labs from lab 2 to have better understanding.

Issac Klein

- Plan to continue to make test cases in a similar manner for all the timer methods

Nathan Nordling

- review more of lab 7 issues
- create spreadsheets for data
- look into wifi issues

[Summer of weekly adviser meeting](#)

This week, we could not meet our adviser because he of his work. We tried to work what he mentioned for 2 weeks before the meeting.