

CPRE 492 -May20-04

CPRE 288 Embedded Systems Platform Movement and Code Optimization

Bi-Weekly Report 2

February 13~ February 26, 2020

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 met the advisor, there is no issue with advisor. We are still working on our project to achieve our goal. Probably before the spring break, we are planning to meet Dr. Jones to show our work so far.

Weekly Issues

Badly posted all links to all each report at Canvas and tried to remove all. However, there is no way to remove it after submitting it. Another that our team in face with the continuous integration work that still not fully functionally work as we expected.

Past Week Accomplishments

Jacob Aspinall

- Finished simulation of OI/Roomba, Finished LCD sim
- Wrote majority of tests for OI code and added more tests for LCD code

Geonhee Cho

- Wrote Python code to read log file from DSS compile result, however it cannot functionally work at Git lab continuous integration.
- Test through the CI/CD at GitLab to check the code (added into yml file)
- Write the bi-weekly report 3

Jisoo Han

- Establish the repository and submodule, then test if it can copy repository correctly
- Review the Wi-fi problem and read through the problems.

Sam Rai

- Continue to write test code for IR sensor. DAC device is working okay and keep working with teammates.

Issac Kleinsd

- Continue to work on the Wi-fi issues and try to find the errors.
- Testing the accuracy of the other time related timer..c functions using a similar approach.

Nathan Nordling

- Continue to make the UART test case and did some test

Individual contributions

Team Member	Contribution	Weekly H	Total H
Jacob Aspinall	OI/LCD sim/tests	12	56
Geonhee Cho	Keep testing with Python code to read log.txt file	12	36
Jisoo Han	Continue to work with Git repo work and WI-fi problem.	12	36
Sam Rai	Continue to work with DAC device.	12	36
Issac Klein	Worked with Wi-fi problems	12	36
Nathan Nordling	Continue to write the test case for UART.	12	36

Plans for next 2 weeks:

Jacob Aspinall

- Finish OI sim and write tests for movement code/OI code

Geonhee Cho

- Try to finish the Continuous integration work at the end of the February.

Jisoo Han

- Try to finish the Git submodule work and work on the Wi-fi problem.

Sam Rai

- Start testing the values by comparing the values converted by DAC device with the values that are saved into one of the microcontrollers.

Issac Klein

- Continue to work on the Wi-fi problems.

Nathan Nordling

- Continue to work on the writing UART test case for the continuous integration.

Summer of weekly adviser meeting

We met 1 time with our advisor last 2 weeks. There was no special requirements or issues that we got from the advisor. We are planning to meet with the Dr. Jones before the spring break to check our entire work that we did so far.