

CPRE 492 -May20-04

CPRE 288 Embedded Systems Platform Movement and Code Optimization

Bi-Weekly Report 4

February 26 ~ March 12, 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 worked with our project video assignment. At the same time, we planned for the last 2 months of the senior design project plans to finish our goals. We met 1 times at advisor meeting and 1time for video assignment to finish it.

Weekly Issues

No issues with these two weeks.

Past Week Accomplishments

Jacob Aspinall

- -Helped GeonHee finish Continuous Integrations scrips
- -Finished LCD sin/tests
- -FInished OI sim/tests
- -Helped Sam work on IR sensor

Geonhee Cho

- Finished to write the readText.py file to use the Continuous Integration work.
- Finished Continuous Integration part at team project.
- Edit the team voice video & write the team report 4

Jisoo Han

- Review our design document and edit the team ppt for video record
- Success on create the submodule on private repo to public repo. Implement the submodule directions and folders to make these are possible to update in both repo by one update
- Actual testing on repos with 2 repos and it works. From last meeting, we decided to not use submodule. Create two separated repo; One for private and one for public.

Sam Rai

- Only test has completed, but to run our code by downloading into equipment. Working with our team member to complete test codes.

Issac Kleinsd

- Performed Wi-Fi tests for personal laptop use by sending characters across putty to check for packet loss. No packets were lost in the process.
- Noticed packets were received in the wrong order if multiple sent at roughly the same time, which could cause packet inaccuracies if sent to often.

Nathan Nordling

- Wrote manual UART tests, began work on automating them with simulation environment

Individual contributions

Team Member	Contribution	Weekly H	Total H
Jacob Aspinall	LCD,OI,Continuous integration, IR sensor, Tests	14	70
Geonhee Cho	Finished Continuous Integration part at team project. Edit the team video.	13	49
Jisoo Han	Created submodule at repo and Wi-Fi problem.	12	48
Sam Rai	Continue to work with DAC device.	12	48
Issac Klein	Continued to work with Wi-fi problems	8	44
Nathan Nordling	uart unit tests continuing to be integrated with Jacob's simulation environment	10	46

Plans for next 2 weeks:

Jacob Aspinall

- Not die from Coronavirus
- Documentation for simulation
- Come up with plan for Git repo Organization
- Refactor code

Geonhee Cho

- Code review
- GUI work from Jacob
- More scrip work

Jisoo Han

- Git stuff is done now. Once advisor let me know which directories should be in repo, add them. After that can move on testing the Wi-Fi stuff.

Sam Rai

- continuing writing test codes for IR sensor. into one of the microcontrollers.

Issac Klein

- Seemed to work just as well by cable with UART

Nathan Nordling

- Write more uart tests, continue writing automated uart tests for the simulation environment.

Summer of weekly adviser meeting

For this week, we finally met with Dr. Jones at the regular meeting. We got some feedback from the project that we need to do for last 2 months. We got some new requirements from the Dr. Jones, so we are going to finish his requirement within 2 months.