

## CyWi: Open-Source Wireless Innovation Lab for Smart Ag, AR/VR, and Beyond

**Team Number:** sddec19-02

**Client:** Dr. Hongwei Zhang

**Faculty Advisor:** Dr. Hongwei Zhang

### Team Members

Chenye Lim                      Ryan Cullinan

Jian Chew                        Shay Willems

Pawel Darowski                Tyler Beder

### Dates

April 20 to April 26, 2019

---

### Weekly Summary

This week was spent mostly on wrapping up documentation for the end of the semester. We edited and updated our Project Plan and released the final version of our Project Plan document. Also, we began preparing for our end-of-semester presentation which included creating a Powerpoint deck of slides. The server hardware did get ordered through ETG and should arrive in the coming week -- hopefully before the end of the semester. We also performed some signal quality testing on the IoT motes.

### Accomplishments

- Server hardware has been ordered
- Further worked to define use cases with the node setup
- Ran some basic TI mote communication tests at full power

### Pending Issues

- Pending server hardware arrival

### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Chenye Lim	Improved final project plan document, continued OAI research	3	40

Jian Chew	Improved final project plan, look into presentation. Continue reading OAI documentation	3	40
Pawel Darowski	Edited the final Project Plan document, read Emulab installation documentation	3	59
Ryan Cullinan	Reviewed final project plan, looked into server setup	2	26
Shay Willems	Downloaded TI dev environment and Zigbee testing	4	37
Tyler Beder	Downloaded TI dev environment and Bluetooth testing	4	29

**Plan for Coming Week**

- Further testing the TI motes
- Begin working on setting up the server, pending the arrival of the hardware
- Installing Linux on the NUCs so we can start configuring the SDRs
- Testing TI mote communication consistency at minimum power levels