EE/CprE/SE/CybE 491 Period Report 1/13/20 - 1/27/20

Group number: sdmay20-53
Project title: Smart Backpack Sprayer for Small-scale Agriculture Applications
Client &/Advisor: Tim Andersen, Taylor Greiner, and Daji Qiao
Team Members/Role: Madison Kriege, Sean Doran, Kevin Davis, David Hayes, Shuangquan Li, Donald Laracuente

Period Summary

This period, we worked on finalizing our schedule for this semester. After the long break, we needed to reevaluate the project milestones and update the schedule. Moving ahead, we have established a breakdown of the work and created a plan. This semester we plan on meeting with our advisor and clients every two weeks, starting next week. Similarly, we will set up an appointment with the course instructor in the coming period.

Past Period Accomplishments

Since the last report, we presented our current status in front of a panel of professors and our clients. This was deemed a success as our clients were very satisfied with our progress thus far. After winter break, we took the time to regroup and develop a schedule for meetings with our advisor and our clients. Finally, we began analyzing where we were in terms of the project schedule and determined the work that still needed to be done.

Pending Issues

Determine schedule to meet with advisor/clients as well as solidify a time for team meetings.

Individual Contributions

Name	Individual Contributions	Hours this period	Hours cumulative
Madison Kriege	Worked on weekly report and semester Gantt. Continued work on the mobile application.	8	8
Sean Doran	Worked on scheduling for the semester. I did not do much else. I worked on the MapBox stuff also.	8	8

David Hayes	Worked on scheduling for the semester. I also continued to work on the hardware.	8	8
Kevin Davis	Worked on scheduling for the semester. Continued to work on the hardware.	8	8
Shuangquan Li	Worked on scheduling and planning for the semester, and continued to work on the mobile app.	8	8
Donald Laracuente	Scheduling and set up recurring meetings with advisors and clients.	8	8

Plans for Upcoming Period

In the upcoming period, the hardware team plans to continue working on the Bluetooth module in hopes of sending information more reliably. Additionally, connecting the mobile application and the Arduino is a primary goal of ours. The API and mobile teams will be moving forward with business logic for the data display and testing application flow.

Summary of Advisor Meeting

Due to scheduling, we were unable to meet with our advisor this period.