sdmay19-21: Distributed mesh network for data collection and predictive analytics

Report 10
November 12th - November 16th
Client: Danfoss/ Radek Kornicki
Advisor: Craig Rupp

Team Members

Ryker Tharp — *Database Design* - Backend
Collin Vincent — *System Engineer* - Networking
Colton Smith — *Project Manager* - Backend
Gage Tenold — *Engagement Lead* - Frontend
Cody Lakin — *Software Developer* - Hardware Interfacing
Will Paul — *Lead Architect* - Hardware and Frontend

Summary of Progress this Report

Got everything in a position so that we can end of this semester. Project Plan and Design Doc were finalized and the presentation was made.

Pending Issues

- None

Plans for Upcoming Reporting Period

- Finish documentation so that we can pick up where we left off next semester. (Everybody)
- Connect the work done by each group to have an early prototype ready. (Everybody)

Gitlab Activity Summary

- Remaining Weekly Reports and Documents were pushed to the Site
- Pushed sql example scripts.

Past Week Accomplishments (Week 10)

- Decided to move forward with NodeJS for data transfer between devices.
- Finalize documents and prepare to present

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Ryker Tharp	● Revisions to Design Document focused around the database designs. Adding charts and diagrams of the database. ● Presentation preparation. ● Making corrections to project plan.	10	69
Collin Vincent	● Work on Document revisions	5	61
Colton Smith	● Revision for Design document ● Revision for Project plan ● Presentation preparation	9	69
Gage Tenold	● Helped work on the Project Plan V3 and Design Doc V2 ● Rehearsed for the Final Presentation	8	72
Cody Lakin	● Worked on Design Doc and Project Plan ● Prepared for final presentation ● Did peer reviews	8	60
Will Paul	● Work on Project on Design Document, and presentation, mostly focused on the hardware and vehicle data gathering aspects. ● Also continue troubleshooting PiCANs, and RPi issues	8	60