

Weekly Status Report 11

4/21/19 – 4/27/19

Senior Design Dec19 Group 16

Wireless-enabled Smart-Lights Hub Prototype

Advisor/Client - Manimaran Govindarasu

Team Members

Alex Beaver – Software and backend developer

Ryan Bush – Zigbee Expert/Server-to-Light developer

Aaron Ramsey - Arduino/Relay-to-Server developer

Logan Zasada - RF Expert/Server-to-Light Developer

Past Week Accomplishments

- Client/Adviser Meeting
 - Updated with accomplishments of past week
 - Clarified aspects of design
 - Outlined plan for next week
 - Discussed deadlines
- Team Meeting
 - Edited final project plan document
- Outside of meetings
 - Worked on reports and documents
 - Developing prototypes

Weekly Adviser Meeting Summary

This week we discussed whether we think it is possible to have a working prototype of the module done by the end of the semester. Along with what some of the limiting factors for this to be accomplished are. We also discussed the project plan and who will do what parts along with who will edit what.

Personal Contributions

Name	Personal Contributions	Hours this week	Cumulative Hours
Alexander Beaver	<ul style="list-style-type: none">• Set up Apache and installed wgsi module• Created a django model for the database and implemented the default admin page on localhost• Tested an endpoint that edits a local database• Wrote appropriate part of project plan	6	50
John (Ryan) Bush	<ul style="list-style-type: none">• Worked on ZigBee prototypes• Wrote portion of project plan• Continued planning for Module circuit	7	61
Aaron Ramsey	<ul style="list-style-type: none">• Wrote Portion of Project plan• Began learning python http commands	5	48
Logan Zasada	<ul style="list-style-type: none">• Worked on RF Prototype	7	59

Tasks in Progress

- Design Document final version
- Project Plan final version
- End of semester presentation
- Assembling working prototype
- Working on interfaces

Pending Issues

- Wondering if we can meet the deadline of having a working prototype by the end of the semester