

Weekly Status Report 3

2/17/19 – 2/23/19

Senior Design Dec19 Group 16

Wireless-enabled Smart-Lights Hub Prototype

Advisor/Client - Manimaran Govindarasu

Team Members

Alex Beaver

Ryan Bush

Aaron Ramsey

Logan Zasada

Past Week Accomplishments

- Client/Adviser Meeting
 - Discussed current part orders
 - Reviewed Project Plan
- Team Meeting
 - Discussed options for different lights to buy, finalized our options and came up with a parts list for prototype 1 and research
 - Finalized ideas for project plan report
- Outside of meetings
 - Finished project plan report
 - Researched Zigbee communication protocol in preparation for lights to arrive

Weekly Adviser Meeting Summary

This week, our biggest focus was to get our parts list finalized. Since we can't really start work on the project without parts, this is the biggest thing holding us back at the moment. In our group meeting we made a decision on the lights we wanted to get, the Zigbee hub to communicate with the lights and other miscellaneous things we will need. Professor Manimaran gave some initial incites but ultimately left it up to us to find the lights that would work best for the project. Once we decided on the list, we sent it to him to be ordered and should be coming in in about a week.

Personal Contributions

Name	Personal Contributions	Hours this week	Cumulative Hours
Alexander Beaver	<ul style="list-style-type: none">• Did research on the Zigbee protocol• Attended the client and team meetings	3	13
John (Ryan) Bush	<ul style="list-style-type: none">• Took notes at group meetings and uploaded them to group Box• Research on Zigbee compared to Bluetooth and Wifi• Finalized parts list and sent it to Customer	6	16
Aaron Ramsey	<ul style="list-style-type: none">• Finished creating pictures for project plan report• Attended client/Advisor meeting• Attended Team Meeting• Researched Zigbee, bluetooth, and wifi	4	15
Logan Zasada	<ul style="list-style-type: none">• Finalized formatting and fixed client/adviser feedback on project plan report	3	14

Tasks in Progress

- Researching Zigbee protocol
- Planning first prototype

Pending Issues

- Learn how ZigBee works
- Figure out all different ways to communicate data from relays to lights
- Find lights that fit our requirements