

Weekly Status Report 13

8/26/19 – 9/13/19

Senior Design Dec19 Group 16

Wireless-enabled Smart-Lights Hub Prototype

Advisor/Client - Manimaran Govindarasu

Team Members

Alex Beaver - Software

Ryan Bush - Zigbee

Aaron Ramsey - Charging Station

Logan Zasada - Light Module PCB

Past Week Accomplishments

- Client/Adviser Meeting
 - Discussed direction of project for this semester
- Team Meeting
 - Met with Alex Nicklaus who worked on the project over the summer and updated on progress
- Outside of meetings
 - Each person worked on their own updated focus area and made progress

Weekly Adviser Meeting Summary

Personal Contributions

Name	Personal Contributions	Hours this week	Cumulative Hours
Alexander Beaver	<ul style="list-style-type: none">Attended all meetings and met separately with Nicklaus about how the code works and what his goals are on the code		
John (Ryan) Bush	<ul style="list-style-type: none">Attended all meetings and met separately with Nicklaus about how the code worksMet with Nicklaus about how Zigbee works and how to communicate with the devices	6	67
Aaron Ramsey	<ul style="list-style-type: none">Attended all meetingsWorked on designs for the charging station		
Logan Zasada	<ul style="list-style-type: none">Attended all meetingsWorked on designing PCB for light modules	13	78

Tasks in Progress

- Design and mass print PCBs for light modules
- Design and build charging stations
- Test and verify Zigbee communication
- Understand and finish code for server-to-Zigbee communication

Pending Issues

- Unsure what we'll be able to do time-wise
- We've been asked to additionally add more engineering work to the project, unsure of time constraints with that