

Weekly Status Report 18

11/10/18 – 11/23/18

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
 - Demoed newest version of PCB to client, seemed impressed
- Team Meeting
- Outside of meetings
 - Got order of circuit boards
 - Assembled and tested

Weekly Adviser Meeting Summary

Updated Gelli with progress report. He will be out of town over break as will all members. We have gotten to one of the final versions of the PCB so we will be able to start making the final units soon.

Personal Contributions

Name	Personal Contributions	Hours this week	Cumulative Hours
Alexander Beaver	<ul style="list-style-type: none">• Worked on serial communication some more	8	44(94)
John (Ryan) Bush	<ul style="list-style-type: none">• Documented the reverse communication setup for the endpoint modules• Verified transmission of data from endpoint to coordinator• Certified in the lab with the power tools for future enclosure design	6	108
Aaron Ramsey	<ul style="list-style-type: none">• Soldered a couple circuit boards, tested Light module user interface circuit, tested battery charging circuit	12	111
Logan Zasada	<ul style="list-style-type: none">• Soldered a couple circuit boards	8	53(118)

Tasks in Progress

- Working on final version of PCB's
- Waiting on quote for pick-and-place PCBs

Pending Issues

- Bug where battery protection circuitry cuts power when we use the button for 2-way communication