

Weekly Status Report 16

10/13/19 – 10/26/19

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
- Team Meeting
 - Discussed housing options
 - Manufactured 10 extra light modules for clients to use in demonstrations
- Outside of meetings
- Designed battery charging circuit

Weekly Adviser Meeting Summary

Personal Contributions

Name	Personal Contributions	Hours this week	Cumulative Hours
Alexander Beaver	<ul style="list-style-type: none">Continued work on serial communication	8	27(77)
John (Ryan) Bush	<ul style="list-style-type: none">Two way communication to and from endpoint modules using ZigBeeHelp build prototype modules	10	94
Aaron Ramsey	<ul style="list-style-type: none">Helped Logan with Light module PCBDesigned Charging station circuit and PCBShopped for different enclosuresHelped manufacture extra light modules	25	91
Logan Zasada	<ul style="list-style-type: none">Continued designing PCB	10	43 (108)

Tasks in Progress

- Designing PCB rev 2
- Create test plan for light modules

Pending Issues

- Designing PCB to fit in housing and have buttons work