

Weekly Status Report 1

2/1/19 - 2/8/19

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

- Two meetings with Manimaran
 - Identified primary problem
 - Identified basic deliverables
 - Defined and clarified numerous system requirements
 - Explored Cy-power lab (first operating environment)
- First team meetings
 - Explored system architectures
 - Identified team roles
 - Identified technologies that must be explored
 - Task assignment for project plan rough draft

Weekly Adviser Meeting Summary

We discussed what the current priorities should be for the project and clarified some questions members had. Our biggest focus at the moment is to work on our documentation for the project plan. We split up and assigned sections to each of the members for the project plan. Our advisor, Manimaran, clarified the big picture by illustrating a block diagram with each of the necessary pieces needed for the project. Manimaran's post doctorate assistant, Gelli, went to the power cy lab and showed us what the actual system looks like so we had a better understanding and visual to go along with the bigger picture. Manimaran showed to us for the remotely-controlled wireless-enabled smart-lights hub prototype.

Personal Contributions

Name	Personal Contributions	Hours this week	Cumulative Hours
Alexander Beaver	<ul style="list-style-type: none">• Attended all meetings• Researched possible technologies for the project• Worked on initial project plan document	5	5
John (Ryan) Bush	<ul style="list-style-type: none">• Attended all meetings• Researched possible technologies for the project• Worked on initial project plan document• Gathered meeting minutes	4	4
Aaron Ramsey	<ul style="list-style-type: none">• Attended all meetings• Researched possible technologies for the project• Worked on initial project plan document• Created System Requirements documentation	5	5
Logan Zasada	<ul style="list-style-type: none">• Attended all meetings• Researched possible technologies for the project• Worked on initial project plan document• Assembled parts list for first version prototype	6	6

Tasks in Progress

- Technology Exploration
 - Radio
 - Batteries
 - Lights
- First Version Prototype
 - Order and receive parts
 - Assemble hardware
 - Write code
- Project Plan Rough Draft
 - Section 1
 - Section 2
 - Section 3

Pending Issues

- System requirements could be clarified