

Senior Design 491 Weekly Report 11

Week 7 (11/9/15 – 11/15/15)

May1624 -- Programmable Wireless Sensor Package for CprE Education

Advisor/Client: Dr. Thomas Daniels

Team Members -- Roles:

Yidong Liu – Team Leader

Xinian Bo – Team Webmaster

Niklas Jorve – Team Communication Leader

Branden Sammons – Key Concept Holder, Secretary

Jonathan Krueger – Key Concept Holder, Manager

Weekly Summary:

During this week we focused on finding component for our PCB board. Because our goal is to have our first prototype built before the end of the semester, we need to order all of our components soon so that we can start to breadboard out components and start testing. We have researched components that will incorporate all of the functionality of the prototype and during our next advisor meeting we will discuss our findings and start to order parts. During our advisor meeting this week, we discussed things that we had researched and implemented on the Edison boards that we were given to start working with.

Weekly Accomplishments:

1. Continued prototyping with Edison boards
2. Finalized list of components needed for PCB and began research on specific components to use
3. Built framework of presentation
4. Setup code repository

Advisor Meeting (11/9/15):

Duration: 1 Hour

Members Attending: Niklas Jorve, Yidong Liu, Jonathan Krueger, Branden Sammons

Notes: During our advisor meeting this week we discussed the specific components that would need to exist on the PCB. Before this meeting we only had an idea of the functionality that we wanted, but after the meeting we now know which components will implement each type of functionality on the board. We broke up the research of each component evenly among the group and during the next meeting we will discuss our findings and start to order sample parts for prototyping and testing. We are still on track to create a prototype by the end of the first semester going into winter break.

Plans for Next Week:

1. Order sample parts based on research
2. Continue work on presentation/start practicing presentation
3. Prototype sample parts and Edison as they arrive

Individual Contributions:

Niklas Jorve	Attended meeting, worked on weekly report, worked on Edison, worked on presentation
Yidong Liu	attended meeting, researched on parts, contacted 492 group
Branden Sammons	Attended meeting, researched parts, and did some light programming
Jonathan Krueger	Attended meeting, researched parts, managed meetings.
Xinian Bo	attended meeting, researched on audio parts

Project Contributions:

Member	Project Time this week (hours)	Total Project Time (hours)
Niklas Jorve	8	39
Yidong Liu	5	34
Branden Sammons	6	36
Jonathan Krueger	5	42
Xinian Bo	8	30