

## **Senior Design 491 Weekly Report 13**

**Week 13 (11/30/15 – 12/6/15)**

**May1624 -- Programmable Wireless Sensor Package for CprE Education**

**Advisor/Client:** Dr. Thomas Daniels

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### **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

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### **Weekly Summary:**

We used our time this week to work on the presentation and the breadboarding of components. For the presentation, we will be presenting next week so we had to finalize our slides and practice presenting them. We met with our advisor on monday to get more of the components that we ordered from Dr. Daniels and we are now planning on attending a little workshop to learn how to solder the components that we need onto their breakout boards. We met twice as a group this week to both finalize the slide set for our presentation and to practice presenting.

### **Weekly Accomplishments:**

1. Finished presentation
2. Practiced presentation
3. Received ordered parts/planned soldering workshop

### **Advisor Meeting (11/30/15):**

**Duration:** 1 Hour

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

**Notes:** During our advisor meeting this week we looked over the parts that we ordered before the break. We ordered all of the parts that we will need for the controller including the sensors, lights, and joystick and we also received the breakout boards for all of the parts. Now that we have all of the

parts we can start to solder them onto their respective breakout boards and breadboard them with the Edison to test them. Since nobody in the group knows how to solder the very small parts on, we have scheduled a meeting with the workshop professor to learn from him.

### **Group Meeting (12/2/15):**

**Duration:** 2 Hours

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

**Notes:** During this group meeting we met to go over all of the slides in our final presentation and we made small edits to all of them. We then split up all of the slides evenly so that everyone could practice their slides to practice presenting during our next group meeting on friday.

### **Group Meeting (12/4/15):**

**Duration:** 2 Hours

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

**Notes:** During this meeting we spent a small amount of time finalizing our presentation and spent the rest practicing our presentation.

### **Plans for Next Week:**

1. Attend soldering workshop
2. Give presentation
3. Prototype parts with breakout boards on breadboards

### **Individual Contributions:**

Niklas Jorve	Weekly report, attended meetings, worked on presentation, practiced presentation, prototyped
Yidong Liu	attended meetings, worked on presentation, worked on prototype I
Branden Sammons	attended meetings, prepared for presentation
Jonathan Krueger	Attended meetings, prepared for presentation
Xinian Bo	Worked and practiced on presentation, updated the website

### **Project Contributions:**

<b>Member</b>	<b>Project Time this week (hours)</b>	<b>Total Project Time (hours)</b>
Niklas Jorve	10	57
Yidong Liu	10	50
Branden Sammons	5	46
Jonathan Krueger	5	52
Xinian Bo	7	43