

## **Senior Design 492 Weekly Report 26**

**Week 18 (4/5/16 – 4/11/16)**

**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:**

This week was mainly focused on software development since the boards are still in production. We have continued to work on both the controller and lab computer interfacing software and have developed API commands that can be used by the students.

### **Weekly Accomplishments:**

1. Finalized API commands

### **Advisor Meeting (4/5/16):**

**Duration:** 1 Hour

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

**Notes:** During our advisor meeting we briefly discussed the state of the software and talked about what our expectations are for the API.

### **Group Lab Meeting (4/6/16):**

**Duration:** 3 Hours

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

**Notes:** During the lab meeting we discussed the API commands and what the skeleton functions would be. We also discussed the return types of the functions to better indicate error states for the students.

### Plans for Next Week:

1. Continue software development
2. Start working on PCB build if we receive it back from production

### Individual Contributions:

Niklas Jorve	Worked on weekly report, attended meetings
Yidong Liu	Finished and submitted pcb files for production, attended one meeting
Branden Sammons	<p>Goals from last week:</p> <ul style="list-style-type: none"><li>● Program software.</li><li>● Finish Documentation changes.</li></ul> <p>This week:</p> <ul style="list-style-type: none"><li>● Lightly updated design documentation.</li><li>● Created new design documents.</li></ul> <p>Goals for next Week:</p> <ul style="list-style-type: none"><li>● Program software.</li><li>● Finish Documentation changes.</li></ul>
Jonathan Krueger	<p>Goals from last week:</p> <p>This week:</p> <ul style="list-style-type: none"><li>● Lightly updated design documentation.</li><li>● Created new design documents.</li></ul> <p>Goals for next Week:</p> <ul style="list-style-type: none"><li>● Program software.</li><li>● Finish Documentation changes.</li></ul>
Xinian Bo	PCB files, attended meetings

### Project Contributions:

<b>Member</b>	<b>Project Time this week (hours)</b>	<b>Total Project Time (hours)</b>
Niklas Jorve	5	160
Yidong Liu	4	171
Branden Sammons	4	132
Jonathan Krueger	4	177
Xinian Bo	3.5	137.5