Weekly Report 10  March 30 - April 5, 2015

Project: SIDS Alert Device
Client: Micron Technologies
Advisor: Joseph Zambreno
Team Email: dec1505@iastate.edu

<table>
<thead>
<tr>
<th>Team Member</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caleb Van Dyke (SE)</td>
<td>Team Leader / Webmaster</td>
</tr>
<tr>
<td>Arlen Burroughs (SE)</td>
<td>Communicator / Webmaster</td>
</tr>
<tr>
<td>Aaron Schafbuch (EE)</td>
<td>Key Concept Holder</td>
</tr>
<tr>
<td>Mitch Meiss (EE)</td>
<td>Key Concept Holder</td>
</tr>
<tr>
<td>Andrew Jiles (EE)</td>
<td>Key Concept Holder</td>
</tr>
</tbody>
</table>

Weekly Summary

This week we continued exploration with the hardware we got working 2 weeks ago. Caleb and Arlen worked on software interfaces. Mitch investigated a few more possibilities for final product size reduction. Andrew began work for initial 3D printing of enclosures.

Meeting Notes

Group Meeting
In our group meeting we discussed the project plan updates and assigned tasks within the project plan for each member to do.
We discussed our progress and what we will do in the four weeks to come.
We made a rough plan for the presentation.

Advisor Meeting
There was no advisor meeting this week.

**Client Meeting**
There was no client meeting this week. Tyson will be on campus next week (April 9) to meet in person.

---

**Pending Issues**

1. Size reduction

---

**Next Week**

1. Meeting with client and advisor in person on thursday

---

**Individual Contributions This Week with Hours**

Group Meeting (1 hours) - All

Worked out Website UI (2 hour) - Caleb
Researched database design (1 hour) - Caleb
Researched Algorithm for detection (1 hour) - Caleb

Researched bluetooth connectivity (1 hour) - Mitch
Researched possible full IC design for complete size reduction (2 hours) - Mitch
Played with the Silabs development kit (3 hours) - Mitch
Played with sensors (2 hours) - Mitch

Preliminary CADD Sketches (1.5 Hours) - Andrew
Diagram (0.75 Hours) - Andrew

Updated Project Plan (1.0hr) - Arlen
Updated web-site (including photos for each member) (1.0hr) - Arlen
Android UI work (2.0hrs) - Arlen

Modified and added to project plan (1.0 hr) - Aaron
## Total Contributions

<table>
<thead>
<tr>
<th>Name</th>
<th>Prev Hours</th>
<th>This Week</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caleb Van Dyke</td>
<td>28</td>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>Arlen Burroughs</td>
<td>22.5</td>
<td>5</td>
<td>27.5</td>
</tr>
<tr>
<td>Aaron Schafbuch</td>
<td>15</td>
<td>2</td>
<td>17</td>
</tr>
<tr>
<td>Mitch Meiss</td>
<td>15</td>
<td>9</td>
<td>24</td>
</tr>
<tr>
<td>Andrew Jiles</td>
<td>27.35</td>
<td>3.25</td>
<td>30.6</td>
</tr>
</tbody>
</table>