

## **EE 491 Weekly Report #12**

**Date:** 12/01/2013

**Group Project:** Garmin - Energy Harvesting in Fitness Electronics

**Website:** <http://seniord.ece.iastate.edu/may1417/index.html>

**Project Number:** May14-17

**Client:** Adam Rasmussen

**Advisor:** Dr. Degang Chen

### **Group Members:**

- Tyler Chenhall – Project Leader & Foot-Pod Team Member
- Rebekah Dejmaj – Communications & Webmaster & Foot-Pod Team Member
- Catherine Homan – Research & HR Monitor Team Member
- Allison Sapienza - Research & HR Monitor Team Member
- Omer Vejzovic – Research & Foot-Pod Team Member
- Jeramie Vens - Research & HR Monitor Team Member

### **Accomplishments in the Past Week**

- Held a meeting with our advisor
- Held a group meeting to discuss end-of-semester plans
- Began working on presentation ideas and developing visuals for the end-of-semester presentation
- Continued to contact piezoelectric energy harvester suppliers to inquire about device pricing
- Finalized the Bill of Materials for the initial energy harvesting prototypes

### **Plan for the Upcoming Week**

- Prepare for end of semester presentations for the Senior Design class
- Finalize the Project Plan and Design Document
- Work on the research document for Adam
- Meet with Dr. Chen (& Adam Rasmussen via conference call) on Monday
- If one or more boards arrive, the two prototype groups may begin soldering & assembly

### **Pending Issues**

- none

### **Individual Contributions**

- Tyler
  - Took meeting notes & created the weekly report
  - Worked on developing the slides for the final semester presentation
  - Contacted PI Ceramic to inquire about their piezoelectric harvester device
- Rebekah

- Managed communications with Adam and others
- Helped finish compiling information for the Bill of Materials for the prototype boards
- Catherine
  - Attended weekly meetings
- Allison
  - Put together the concept sketch
  - Developed ideas for the final semester presentation
- Omer
  - Contacted Mide about bulk pricing for their piezoelectric energy harvesters
  - Developed ideas for the final semester presentation
- Jeramie
  - Created the skeleton of the final presentation document and setup svn repository for LaTeX file management
  - Finished compiling information for the Bill of Materials for the prototype boards

### **Individual Hourly Contributions**

- Tyler – 6.5 hours
- Rebekah – 3 hours
- Catherine – 2 hours
- Allison – 3 hours
- Omer – 2.5 hours
- Jeramie – 6.5 hours