

EE 492 Weekly Report #7

Date: 03/09/2014

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 Dejmal – 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 Dr. Chen
- Submitted revision two boards to be ordered from OSH Park
- Implemented an Arduino-based portable data logger and tested it by monitoring output from the mechanical board during short intervals of running
- Worked on piezoelectric testing information in the Research Document

Plan for the Upcoming Week

- Finalize the Bill of Materials for the 2nd revision boards
- Perform more tests on the revision 1 boards
- More work on the Research Document, with a focus on adding more to the thermal sections & overall calculations

Pending Issues

- None

Individual Hours

- Tyler – 7
- Rebekah – 4.5
- Catherine – 1.5
- Allison – 1
- Omer – 3.5
- Jeramie – 2.5