

EE 492 Weekly Report #5

Date: 02/23/2014

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 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 Dr. Chen, showing several demo videos
- Researched Analog MUXs as a replacement for the power MUX (TPS2110) currently being used in our designs
- Worked on various sections of the research document (Company Overviews, Thermal summary, RF section, etc.)

Plan for the Upcoming Week

- Work on developing the second revision of our energy harvester boards (specifically, schematics), with plans to have parts and boards ordered prior to Spring break.
- Look at Adam's comments, questions, and suggestions
- More work on the Research Document
- Investigate possible methods of improving the prototype designs

Pending Issues

- none

Individual Hours

- Tyler – 6.7
- Rebekah – 2.5
- Catherine – 2
- Allison – 2
- Omer – 4
- Jeramie – 1.5