

Group Number: May1725

Project Title: Wireless Energy Measurement System

Advisor: Nathan Neihart

Team Members/Role:

- 1) Joseph Freeland (Co-Lead)
- 2) Milan Patel (Co-Lead)
- 3) Adam Cha (Communications Lead)
- 4) Adam Dau (Webmaster)
- 5) James Tran (Key Concept Holder)
- 6) Wei LinLin (Key Concept Holder)

o **Weekly Summary**

This week we met with our adviser and ran through the usual introductions of the team members as well as a wide overview of what the project is. Then our adviser gave us some questions and topics to look over. We answered these questions in a second meeting on 9/25/16.

o **Past week accomplishments (please describe as what was done, by whom, when)**

- Adam Cha - Completed weekly report. Created two email lists to be used by our team to allow for a quicker way to address emails instead of 6-7 individuals per email. Created meeting minutes document. This document is used to document each meeting with our advisor and keeps track of all the milestones and topics we need answers to or updates on.
 - o Internal group emails: may1725@iastate.edu
 - o Group emails including adviser: ee491may1725@iastate.edu
- Adam Dau - Researched creating website and created website skeleton.
- Joseph Freeland - Researched devices to measure current in a wire and performed further research on topics similar to our project to gain a better

understanding on how we can move forward. Set up additional meeting times with our adviser.

- Wei LinLin - Reading some documents about this project to gain a better understanding on our project.
- Milan Patel - Looked into how we would divide our team into a hardware and software teams.
- James Tran - Researched direct contact current measuring devices. Found that we want to use direct contact device rather than a indirect contact device.

o **Pending issues (if applicable)**

- Adam Cha - N/A
- Adam Dau - N/A
- Joseph Freeland - N/A
- Wei LinLin - N/A
- Milan Patel - N/A
- James Tran - N/A

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative</u>
Adam Cha	Refer to "Past week accomplishments" section above	4.5	6.5
Adam Dau	Refer to "Past week accomplishments" section above	2	2.5
Joseph F.	Refer to "Past week accomplishments" section above	2.5	4
Wei LinLin	Refer to "Past week accomplishments" section above	1	2
Milan Patel	Refer to "Past week accomplishments" section above	2.5	4
James Tran	Refer to "Past week accomplishments" section above	2.5	4.5

o **Comments and extended discussion**

None at this time.

o **Plan for coming week (please describe as what, who, when)**

- ALL - Complete necessary actions from upcoming meeting minutes.
- Adam Cha - Continue filling out weekly reports. Look into software for MSP430 microcontrollers.
- Adam Dau - Create website for the team, start the design process.
- Joseph Freeland - Create outline for the team as far as what needs to be accomplished by the end of the semester. Essentially a blueprint for tasks this semester.
- Wei LinLin - Look into circuits for measuring current/voltage to use.
- Milan Patel - Look into measuring direct current.
- James Tran - Look into direct current measuring devices and how they operate.

o **Summary of weekly advisor meeting**

We received a few general questions about our project that we needed to have answered by this upcoming week.