

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 had a meeting with just the team to discuss how we would start dividing up the work for the group. We split the group up into two teams: hardware and software.

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

- Adam Cha - Completed weekly report. Started reading MSP430 manual. Watched a MSP430 programming tutorial to familiarize myself with programming language.
- Adam Dau - Worked on website.
- Joseph Freeland - Looked further into MSP430 manual and software.
- Wei LinLin - Researched current measuring circuits.
- Milan Patel - Solved/started deriving block diagrams for hardware circuit.
- James Tran - Solved circuit diagrams for a current monitoring device. Created multiple block diagrams of circuits.

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	Completed weekly report. Started reading MSP430 manual. Watched a MSP430 programming tutorial to familiarize myself with programming language.	2	10
Adam Dau	Worked on website.	1	4.5
Joseph F.	Looked further into MSP430 manual and software.	1	6
Wei LinLin	Researched current measuring circuits.	1	4
Milan Patel	Solved/started deriving block diagrams for hardware circuit.	1	6
James Tran	Solved circuit diagrams for a current monitoring device. Created multiple block diagrams of circuits.	3	10

o **Comments and extended discussion**

None at this time.

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

- Adam Cha - Continue filling out weekly reports. Understand pins and general idea of what needs to be hooked up to the MSP430 to make it run. Continue watching tutorials.
- Adam Dau - Continue on website for the team.
- Joseph Freeland - Start messing around and watching tutorials on MSP430 software.
- Wei LinLin - Look into circuits for measuring current/voltage to use.
- Milan Patel - Continue research on current measuring circuits and circuit board companies we could use to get our boards printed.
- James Tran - Continue deriving current measuring circuits.

o **Summary of weekly advisor meeting**

Start to create block diagrams of circuits and look into software for microcontroller.