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 <u>**Weekly Summary**</u>

This week we worked on finalizing our 3D printed case to have it approved and sent out for production. We also checked more of the outputs of our ADC to make sure our DC values were working properly no matter where we swept it from (going from 0 V to 1.44 V or 1.44 V down to 0 V), as well as checking our ADC for analog inputs and verifying those are working properly. We also presented to our class instructor about the progress of our project and where we are at and what our plans are moving forward. Hopefully by next week we can have our finished PCB as well as our 3D printed case and start working on system integration between the hardware and software teams.

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

- Adam Cha - Worked on getting the negative slope values for our ADC. Also tested the new code to be able to sample AC waves and made sure those were sampling correctly with the correct amplitude as well. Also approved and submitted our case to be 3D printed. Worked on presentation and practiced presentation with team. Present to our class instructor on our progress of our project.
- Adam Dau - Worked on presentation slides and presented.
- Joseph Freeland - Worked on presentation slides and presented.

- Wei LinLin - Worked on presentation slides and presented.
- Milan Patel - Worked on presentation slides and presented.
- James Tran - Looked at CC3200 micro board and its pinout.

o **Pending issues (if applicable)**
- Adam Cha - None at this time.
- Adam Dau - None
- Joseph Freeland - None
- Wei LinLin - None
- Milan Patel - None
- James Tran - Need to confirm with software team before ordering

o **Individual contributions**

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NAME	Individual Contributions	Hours this week	Hours cumulative
Adam Cha	Worked on getting the negative slope values for our ADC. Also tested the new code to be able to sample AC waves and made sure those were sampling correctly with the correct amplitude as well. Also approved and submitted our case to be 3D printed. Worked on presentation and practiced presentation with team. Present to our class instructor on our progress of our project.	15	85
Adam Dau	Worked on presentation slides and presented. Tested new code to be able to sample AC waves.	6	42
Joseph F.	Worked on presentation slides and presented.	3	49
Wei LinLin	Worked on presentation slides and presented.	3	29
Milan Patel	Worked on presentation slides and presented.	3	68

James Tran	Looked at CC3200 micro board and its pinout. Mapping the connection to the main PCB	7	100

o **Comments and extended discussion**

Waiting on PCB as well as Case.

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

Adam Cha

Task	Date	Expected outcome
Receive case and order screws and outlet plug for it.	3/1/17	Have a functioning case

Adam Dau

Task	Date	Expected outcome
Work with Adam Cha on the 3D printing case to get it ready to have the boards installed on it	3/5/17	Have a completed prototype case.

Joseph Freeland

Task	Date	Expected outcome
Work on getting ADC code onto CC3200	3/3/17	Be able to put the code on the new CC3200 coming in soon

Wei LinLin

Task	Date	Expected outcome
Work on database	3/5/17	Have a areas of data for database

Milan Patel

Task	Date	Expected outcome
Finish PCB Soldering	3/5/17	Have a completed board to work with

James Tran

Task	Date	Expected outcome
Finish PCB soldering	03/03/17	Complete the board

o **Summary of weekly advisor meeting**

No advisor meeting this week.