

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

Worked on redesigning 3D printed case for the second revision. Also met with team to test prototype. We also have sent in the 3D case to be printed and should get in next week. Tuned PCB for proper operating characteristics & prepared report material. Worked on database and webapp to get live streaming data.

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

- Adam Cha - Worked on redesigning 3D printed case for the second revision. Also met with team to test prototype. We also have sent in the 3D case to be printed and should get in next week.
- Adam Dau - Worked on redesigning 3D protective casing. Also met with team members to test full prototype.
- Joseph Freeland - Worked on database and webapp to get live streaming data.
- Wei LinLin - Worked with Adam Cha on getting 3D printed case revision 2 complete
- Milan Patel - Tuned PCB for proper operating characteristics & prepared report material.
- James Tran - Tuned PCB

o **Pending issues (if applicable)**

- Adam Cha - test second revised case
- Adam Dau - none at this time
- Joseph Freeland - Need to have entire software system working soon
- Wei LinLin - none at this time
- Milan Patel - none at this time
- James Tran - none at this time

o **Individual contributions**

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<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative</u>
Adam Cha	Worked on redesigning 3D printed case for the second revision. Also met with team to test prototype. We also have sent in the 3D case to be printed and should get in next week.	12	107
Adam Dau	Tested different coverings for the case. Found new dimensions for case. Began deciding and working on a application for the final poster.	4	54
Joseph F.	Worked on database and webapp to get live streaming data.	4	58
Wei LinLin	Worked with Adam Cha on getting 3D printed case revision 2 complete	5	38
Milan Patel	Tuned PCB for proper operating characteristics & prepared report material.	12	96
James Tran	Tuned PCB	16	144

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o **Comments and extended discussion**

None

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

Adam Cha

Task	Date	Expected outcome
Pick of second version of 3D printed case	4/5/17	Have a better case to work with

Adam Dau

Task	Date	Expected outcome
Finalize final 3D casing dimensions.	3/31/2017	Have final 3D printed case done and ready to be printed.
Begin Poster design	3/31/2017	Have poster started.

Joseph Freeland

Task	Date	Expected outcome
Get complete software working system complete	4/7/17	Be able to put hardware and software components together

Wei LinLin

Task	Date	Expected outcome
Pick up 3D printed case with Adam Cha	4/5/17	Have a working 3D printed case

Milan Patel

Task	Date	Expected outcome
Wrap-up debugging phase	4/9/17	Begin to make preparations for final

		presentations

James Tran

Task	Date	Expected outcome
Wrap-up debugging phase	4/9/17	Begin to make preparations for final presentations

o Summary of weekly advisor meeting

Need to update our data faster so that we can demo the data in more of a real-time situation.