

Date:9/5/2014

	#10 - Team Cenergy
Client/Advisor	Honeywell, FM&T / Dr. Ajarapu
Attendees	Tym Wood Jeremiah Janssen Tori Sorensen Chen Cheng Kailey McGuire

Past week accomplishments

What was done, who did it, and when it was done

- ❖ Over the summer Tym met with Bob Dearth at the Honeywell facility to touch base and talk about our groups plan for this semester. While there Bob agreed to send us the Gaussmeter they purchased for testing.
- ❖ On Wednesday we our first meeting of the semester with Dr. Ajarapu. We set up a meeting with him every Monday from 10-11 for the rest of the semester. We discussed how to proceed building the inductor core unit, and then our tester unit.
- ❖ On Friday we had our team meeting. We decided to move this meeting to Wednesdays from 10-11. We discussed how we were going to replicate the black box that Honeywell wants us to test our unit on. We settled on designing it around an electromagnet that would produce a similar magnetic field to the Honeywell black boxes.
- ❖ Individually we accomplished the following:
 - Tori-Started poster, looked at inclosure types, fixed the website, created work schedule
 - Chen-Researched electromagnets
 - Kailey-Researched electromagnets
 - Jeremiah-created a part list and sized the electromagnet based off of the readings Bob Dearth sent us.
 - Tym-scheduled group meetings, relayed information from summer meeting with Honeywell, completed weekly report, got the magnetic field readings from Bob

Plan for coming week

What to do, who, and when should it be done

- ❖ Jeremiah - Have all parts listed and ready to order by our meeting time monday
- ❖ Tori -Work on the design of the poster
- ❖ Tori -Decide what kinds of enclosures we would like to use
- ❖ Talk to Lee about what parts the part shop can provide
- ❖ Tym- Figure out what our budget actually is for this project
- ❖ Tym-Type up meeting notes from meeting with Bob over the summer.
- ❖ Kailey-Look at the differences between the different types of rechargeable batteries (ie. Nickel Hydride, etc.)
- ❖ Chen- Look to rechargeable cruits. How hard is it going to be to implement a rechargable battery into our design?

Pending Issues

- ❖ Getting our black box test unit to match the parameters of of the Honeywell black box units.
- ❖ Schedule a time to meet with Bob when he comes for the career fair.

Individual Contributions

Weekly ReportEE492

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Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Jeremiah	10	10
Kailey	8	8
Tym	12	12
Tori	12	12
Chen	8	8

Comments and extended discussions: