

Date: September 14, 2014

Group Number and Name	DEC14-06 TMS: Transcranial Magnetic Simulation
Client/Advisor	Mani Mina
Attendees/Role	Josh Abbott- Leader Spencer Ulven- Communicator Zhongheng Wang- Idea Master Kaiyue Zheng- Webmaster Nikhil Reddy Purma – Idea Generator

Past week accomplishments

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

- ❖ A – Josh – Met with Robert to verify new parts list and fabricated the discharge board of the circuit. Redid the Arduino to Matlab interface (GUI). Helped test filter board circuit. Met with George as a group to discuss project and clarify a few questions he had.
- ❖ B – Spencer – Wrote the weekly report, helped build the filter board circuit and tested it too. Obtained small scale test outputs of filter board and matched the calculations to the circuit in multisim. Met with George as a group to discuss project and clarify a few questions he had.
- ❖ C – Kaiyue – Soldered the filter board together and helped Spencer test the filter board. Met with George as a group to discuss project and clarify a few questions he had.
- ❖ D – Zhongheng – Helped out with putting the circuit together and testing out the outputs. Met with George as a group to discuss project and clarify a few questions he had.
- ❖ E – Nick – Helped work on the circuit by putting the components in place and letting Kaiyue solder them in. Met with George as a group to discuss project and clarify a few questions he had.
- ❖ E – As a group we all got together to put together both of our PCB boards to test the circuit to see if it works. We tested small scale versions of our filter board to test if it matches our calculations and meet with teacher to

discuss project.

Plan for coming week

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

- ❖ A – Have Kaiyue and Spencer integrate the transformer into the filter board.
- ❖ B – Have Spencer write the weekly report.
- ❖ C – Have Josh work on the Gui to update it with what Robert wants and to redesign the discharge board.
- ❖ D – Have Kaiyue update the website with current documents.
- ❖ E- Have Wang and Nick work together on verifying a final casing with all dimensions need for each button, switch, and light.

Pending Issues

- ❖ A – Casing dimensions and layout of buttons
- ❖ B – Might burn up components
- ❖ C

Individual Contributions

- ❖ A- Josh- Verified new parts list, rewrote the GUI, helped fabricate boards.
- ❖ B- Kaiyue- Updated the website, fabricated both circuits, helped with testing.
- ❖ C- Spencer – Wrote the Weekly Report, helped place components in right spot tested our the filter board to see if it worked.

- ❖ D- Zhongheng- Helped place all components of circuit and helped with testing.

- ❖ E – Nick – Helped place all components of circuit and helped with testing.

Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Josh	16	24
Spencer	9	16
Kaiyue	6.5	13.5
Zhongheng	7	13
Nick	6	10

Comments and extended discussions: