

Date: October 19, 2014

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

## Past week accomplishments

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

- ❖ A – Josh – Finalized the Gui added input coil parameters and output calculations. Worked with group to verify the whole circuit was working with a high resistance load. Worked with Spencer on Thursday to obtain a monophasic output of whole circuit, which was successful.
- ❖ B – Spencer – Wrote the weekly report. Worked with group to combine the whole circuit to test if it worked and got favorable results. Worked with Josh on Thursday to obtain a monophasic signal current.
- ❖ C – Kaiyue – Helped group with combining the circuit.
- ❖ D – Zhongheng – Continued working with Nick on the enclosure.
- ❖ E – Nick –Worked with Wang with enclosure submitted the enclosure to on campus facility to fabricate.
- ❖ F – Whole circuit was put together and worked without blowing any components.

## Plan for coming week

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

- ❖ A – Obtain biphasic pulse with monophasic pulse
- ❖ B – Have Spencer write the weekly report and work on the entire circuit to obtain a mono/biphasic pulse.
- ❖ C – Have Josh work on entire circuit to obtain mono/bi-phasic pulse.
- ❖ D – Have Kaiyue work on entire circuit to obtain mono/bi-phasic pulse.
- ❖ E- Have Wang and Nick keep working together on the casing and integrate the buttons when casing is fabricated.

### Pending Issues

- ❖ A –Destroying components when using full voltage.
- ❖ B – Discharge board logic gates could break down from high voltage/current
- ❖ C

### Individual Contributions

- ❖ A- Josh- Integrated full circuit and obtained mono-phasic pulse.
- ❖ B- Kaiyue- Updated the website, integrated entire circuit
- ❖ C- Spencer – Wrote the Weekly Report, integrated entire circuit and helped obtain mono-phasic pulse.
- ❖ D- Zhongheng- Worked on casing with Nick.
- ❖ E – Nick – Worked on casing with Wang.

## Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Josh	9	77
Spencer	8	65
Kaiyue	5	38
Zhongheng	5	37
Nick	6	31

Comments and extended discussions: