

EE 491 Weekly Report MAY15-26 Week 2 (9/8/14-9/14/14)

Advisors: David Jiles and Ravi Hadimani

Client: Iowa State University/Magstim Company LLC

Members (roles): Jessica Staley (Leader), Saurabh Minocha(Webmaster), Anqi Deng
(Communication), Yixiao Shen (Key concept holder)

Project Title: Design and Development of Adjustable Halo coil for Non-Invasive Treatment of Brain Disorders

Weekly Summary

The main goal this week was to read up some materials and papers about Transcranial Magnetic Stimulation (TMS) to get some knowledge about it, and came up with interesting ideas and questions about TMS. Scheduled the regular meeting with our advisors as well as the meeting time for the group. We also talked a little about the website design.

Meeting notes

9/12 Group Meeting with members

Duration: 30 min

Members Present: Jessica, Saurabh, Anqi

Purpose and Goals:

Discussed what we read about TMS and what we found interesting; for example, when was it used first, by whom and for what purpose. We also discussed some potential side effects of TMS. And we also decided the fixed meeting time with group members.

Achievements:

1. Learned about the background and techniques of TMS.
2. Exchanged ideas.

3. Came up with questions and possible answers to them.

Tasks for the coming week:

1. Decide individual tasks which each member is going to undertake.
2. Meet with Dr. Hadimani's team members to learn more about design and technical aspects of the project.
3. Start working on and planning out the website design and layout.

Contributions (this week)

Jessica Staley: Read up on TMS, communication between members and Professors, attended the meetings, gave ideas of the report, attended lecture on Magnetic Wave Uses in Medicine (6 hrs.)

Saurabh Minocha: Read up on TMS, attended the meetings, gave ideas for this report, attended lecture on Magnetic Wave Uses in Medicine (5.5 hrs.)

Anqi Deng: Read up on TMS, compiled the report, attended the meeting, and gave ideas of the report (5hrs.)

Yixiao Shen: Read up on TMS, communication between members, gave ideas of the report (3hrs.)