

# **EE 491 Weekly Report    MAY 15-26    Week 5 (9/29/14-10/5/14)**

**Advisors:** David Jiles and Ravi Hadimani

**Client:** Iowa State University/Magstim Company LLC

**Members (roles):** Jessica Staley (GUI/Leader), Saurabh Minocha (SEMCAD/Webmaster), Anqi Deng (3D Design & Modeling/Communication), Yixiao Shen (Comsol/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 set up our time line for our project this semester and get the Gantt chart done with detailed procedure. We also finished our first project plan together and continued to learn the software required for the project. We continued to meet with people who would be helpful and could guide us regarding our project in the coming weeks

## **Meeting notes**

*9/29    Group meeting with members*

**Duration:** *30 min*

**Members Present:** *All*

### **Purpose and Goals:**

We met to talk about the contents of our project plan and how to divide the work for the project plan. We planned a rough draft to start our project plan with and later make changes. We took a look at some sample timelines together to have a better understanding of what is expected of us. We had our Gantt chart ready by this meeting.

**Achievements:**

1. Got ideas about the contents of the project plan.
2. Divided different parts of the project plan amongst us.
3. Set deadline for finishing our own part of work and reviewing it together before submitting.

**10/3 Group meeting with members****Duration:** *60 min***Members Present:** *All***Purpose and Goals:**

The purposes of this meeting were to collect our own part of work together and find out problems and questions with the plan so that we can solve them together. We edited each part of the assignment and assembled our work. In this meeting we assembled our project plan and gave it its final touches before submitting. We also talked about the next week's goals and tasks.

**Achievements:**

1. Had our project plan ready to submit.
2. Gantt chart was ready.
3. Rough idea of next week's tasks.

**Pending issues**

1. Ask for a reserved room for our meeting
2. Start our website.

**Plans for next week**

1. Come up with ideas to our website and a basic layout.
2. Try to get a room with white board for our future meetings.
3. Keep learning the software and knowledge we may use.
4. Write the first version of the Design Document.

### **Contributions (individual)**

Jessica Staley: communication between members and Professors, attended the meetings, gave ideas of the report, wrote part of the project plan, finished Gantt charts, reserved rooms for meetings, reviewed existing GUI code (7.5 hrs.)

Saurabh Minocha: attended the meeting, contributed in writing the report, contributed in writing the project plan, research on Python, communication with graduate student working on SEMCAD, research on Parkinson's disease and brain functioning and working (6 hrs.)

Anqi Deng: Got practice on Solidworks, communicated with graduate student with questions, finished my own part of project plan on time, compiled the layout of the project plan and report, attended the meeting, and gave ideas of the report (6 hrs.)

Yixiao Shen: Received the old COMSOL files from last group members and run on my computers to see if it works and reviewed their design, also acquainted myself with Comsol simulation software. Finished writing the task of my part's project plan. attended the two group meeting, gave ideas of the report (7hrs.)

### **Contributions (Total)**

Jessica Staley: 24.5 hrs.

Saurabh Minocha: 24 hrs.

Anqi Deng: 24 hrs.

Yixiao Shen: 24 hrs.