

EE 491 WEEKLY REPORT 8

Date: 3/31/2016

Group number: DEC1619

Project title: Drive Circuitry for Ultrasound Brain Simulator

Client &/Advisor: Dr. Bigelow

Team Members/Role: Zechariah Pettit – Team Webmaster, Honghao Liu – Key Concept Holder, Miguel Mondragon – Team Leader and Webmaster

✓ **Weekly Summary (Short summary about what you did this week)**

Had a weekly meeting with Dr. Bigelow to discuss the ordering of parts for testing and initial mockup circuits. Completed design document file. Some research for parts and other matters were performed over spring break but no collaborative efforts occurred.

✓ **Past week accomplishments (please describe as what was done, by whom, when)**

- ❖ Group met with Dr. Bigelow at 9AM on Wednesday 3/9/2016 to discuss the matters of ordering parts for testing, plans for spring break, and any work that needed to be completed prior to the break.
- ❖ Zechariah sent the necessary emails to start the process of ordering our first round of parts.
- ❖ All group members worked on their individual parts of the project when possible but over the break a minimum amount of work was accomplished.
- ❖ Group met briefly to discuss and work on the design document.

✓ **Pending issues (if applicable)**

- ❖ Work will be slow until the ordered parts can arrive and be tested.

✓ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Honghao Liu	Individual Assignment Research, Team Meeting	3	19
Miguel Mondragon	Professor Meeting, Individual Assignment Research, Team Meeting	4	19
Zechariah Pettit	Professor Meeting, Individual Assignment Research, Team Meeting	4	19

✓ **Comments and extended discussion**

None.

✓ **Plan for coming week (please describe as what, who, when)**

- ❖ Meet with Dr. Bigelow at 9AM on Wednesday.
- ❖ Miguel Mondragon will be working on a multisim model for his portion of the circuit.
- ❖ Zechariah Pettit is working on calculated where our current models load is in comparison with the desired load for the project.
- ❖ Honghao Liu is familiarizing himself with the necessary tools to program and properly utilize the TI Launchpad which serves as the current plan for the DAC multiplexer portion of the circuit.
- ❖

✓ **Summary of weekly advisor meeting (if applicable/optional)**