

EE 492 WEEKLY REPORT 12

Date: 11/18/2016

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 Communications

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

Final PCB and parts order created and submitted. Approval was granted by the project adviser. Small assignments for work over the break was sent out. Meeting with adviser regarding final PCB, budget concerns, time concerns, and plan for the last two weeks after the break.

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

- ❖ Zech completed work on the current amplifier and assembled parts list for Miguel.
- ❖ Miguel completed work on the final PCB, assembled the final parts order, and submitted it for approval.
- ❖ TI Launchpad programming by Tom will continue but in a limited fashion with the only remaining goals is the functionality across all 8-channels.
- ❖ Meeting with Dr. Bigelow regarding the final PCB and parts order well exceeding our budget, final word from Dr. Bigelow was that the initial budget was a large underestimation for a hardware project.
- ❖ Work on poster which is due the Tuesday after break and the final document which is due the Tuesday 12/6.

✓ Pending issues (if applicable)

- ❖ Time constraints and budgetary concerns may result in a nonfunctional end result. Work on the PCB and parts order need to be completed ASAP to ensure delivery within workable time.

✓ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Honghao Liu	TI Launchpad Programming.	2	39
Miguel Mondragon	PCB, parts orders, and administrative work.	6	52
Zechariah Pettit	Current amplifier design.	3	43

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

- ❖ NONE due to Thanksgiving break though work on the final poster and design document were strong encouraged.