

EE 492 WEEKLY REPORT 3

Date: 9/16/2016

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)**

Work on design changes largely finalized. Programming for TI Launchpad continued. Work on PCB design recommenced. Weekly meeting with Dr. Bigelow regarding design changes, programming, and general questioning.

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

- ❖ Meeting with Dr. Bigelow on 9/15/2016 to discuss small design changes, ideas for design changes, and question segment as work is reviewed.
- ❖ Individual work on respective segments of the project.

✓ **Pending issues (if applicable)**

- ❖ PCB printing needs to be completed relatively soon to allow time for proper testing.
- ❖ Testing parameters need to be discussed with Dr. Bigelow.
- ❖ Reworking of design documentation and presentation slides needs to begin soon.

✓ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Honghao Liu	TI Launchpad Programming, Group Meeting	3	8
Miguel Mondragon	Analog Filter Design Work, Group Meeting, Administrative Tasks	4	12
Zechariah Pettit	Amplifier Circuit Design Work, Group Meeting, Website Design Work	3	8

✓ **Comments and extended discussion**

None.

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

- ❖ Meet with Dr. Bigelow on Thursday 9/22/2016
- ❖ Zech will be working on final changes to amplifier designs.
- ❖ Miguel will be working on final changers to filter designs.
- ❖ Tom will be working on programming of TI Launchpad with newly provided input signals.
- ❖ Zech and Miguel will be meeting this week to work on PCB design elements.