

EE 492 WEEKLY REPORT 4

Date: 9/23/2016

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)

TI Launchpad programming continues. Further PCB design work continues. Specific parts selections begin (outside of opamps). Weekly meeting with Dr. Bigelow.

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

- ❖ Meeting with Dr. Bigelow on 9/22/2016 to discuss issues with TI Launchpad Programming, PCB design concerns, questions regarding test planning.
- ❖ Tom continued work on programming the TI Launchpad with some small assistance from Zech. Capable of outputs that will resemble goal outputs but not under proper conditions.
- ❖ Miguel and Zech continued working on PCB design and Miguel begun exchange of emails with part shop regarding specific questions for PCB design.

✓ Pending issues (if applicable)

- ❖ Testing parameters still being 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	4	12
Miguel Mondragon	Analog Filter Design Work, Group Meeting, Administrative Tasks	5	17
Zechariah Pettit	Amplifier Circuit Design Work, Group Meeting, Website Design Work	4	12

✓ **Comments and extended discussion**

None.

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

- ❖ Meet with Dr. Bigelow next week cancelled due to scheduling conflicts.
- ❖ Zech will be working on amplifier PCB design.
- ❖ Miguel will be working filter PCB design.
- ❖ Tom will be working on programming of TI Launchpad.