

EE 492 WEEKLY REPORT 1

Date: 9/2/2016

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 recommenced following the end of summer break. All members of the team spent the initial week reviewing data, documentation, and simulations from the previous semester. Meeting time with Professor Bigelow was scheduled and first meeting with 492 professor was scheduled. In addition team met to review progress and determine general course of the first weeks of work.

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

- ❖ First group meeting occurred to discuss meeting times, project timeline, and initial issues to be tackled this semester.
- ❖ Initial meeting with Dr. Bigelow to discuss issues with the project, overall timeline plans, and additional design adaptations needed.

✓ Pending issues (if applicable)

- ❖ First meeting with 492 Professor on Friday 9/9/2016 to go over our project and discuss how our project is progressing.
- ❖ PCB printing for filter and amplifier segments needs to occur relatively early in the semester in order to provide proper time for testing.

✓ **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	2	2
Miguel Mondragon	Analog Filter Design Work, Group Meeting, Administrative Tasks	4	4
Zechariah Pettit	Amplifier Circuit Design Work, Group Meeting, Website Design Work	2	2

✓ **Comments and extended discussion**

None.

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

- ❖ Meet with Dr. Bigelow on Thursday 9/8/2016
- ❖ Meeting with 492 Professor on Friday 9/9/2016.
- ❖ 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.