

## EE 492 WEEKLY REPORT 2

Date: 9/9/2016

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 continued. Meeting with Professor Bigelow to discuss a few small ideas for design changes. Meeting with 492 Professor to discuss overall progress of project. Preparation for PCB printing on hold till design changes are finalized.

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

- ❖ Meeting with Dr. Bigelow on 9/8/2016 to discuss small design changes, ideas for design changes, and question segment as work is reviewed.
- ❖ Meeting with 492 Professor on 9/9/2016 to discuss project progression and overall thoughts, comments, and concerns for the group.
- ❖ Individual work on respective segments of the project.

### ✓ Pending issues (if applicable)

- ❖ PCB printing on hold till design changes are finalized.
- ❖ Several questions regarding the project need to be answered concretely for the sake of future presentations. Overall lack of concrete presentation details needed for further presentation oriented improvement.

- ❖ A few larger changes to filter segment needed to be tested but will result in a much more reliable output signal.

✓ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Honghao Liu	TI Launchpad Programming, Group Meeting	3	5
Miguel Mondragon	Analog Filter Design Work, Group Meeting, Administrative Tasks	4	8
Zechariah Pettit	Amplifier Circuit Design Work, Group Meeting, Website Design Work	3	5

✓ **Comments and extended discussion**

None.

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

- ❖ Meet with Dr. Bigelow on Thursday 9/15/2016
- ❖ 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.