

EE 491 WEEKLY REPORT 10

Date: 4/4/2016

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)

Weekly meeting cancelled due to tests around meeting time. Parts orders received and work has begun on preliminary testing (for specific parts where through hole model was available) or work on a PCB board for testing has begun. In addition work on programming the TI Launchpad has begun. Group meeting on Sunday to work on project, tackle administrative tasks, and discuss plans for the coming weeks.

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

- ❖ Group cancelled advisor meeting due to the majority of team members having testing in close proximity to the meeting time. Any questions or comments were handled via email.
- ❖ Parts order arrived and was distributed to group members by Zech.
- ❖ All group members worked on their individual parts of the project where possible. PCB test board, physical test circuit, TI Launchpad programming etc.
- ❖ Group met on Sunday to work on project and to discuss plans.

✓ Pending issues (if applicable)

- ❖ PCB design work and ordering delays testing of parts.

✓ **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	25
Miguel Mondragon	PCB Design Work, Group Meeting	4	25
Zechariah Pettit	Physical Circuit Testing Work, Group Meeting, Website Design Work	4	25

✓ **Comments and extended discussion**

None.

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

- ❖ Meet with Dr. Bigelow at 9AM on Wednesday.
- ❖ Miguel Mondragon will be finishing up PCB test board for his low pass filter op-amp.
- ❖ Zechariah Pettit will be physically testing his power amplifier circuit designs and working on a PCB test board for an alternate amplifier.
- ❖ Honghao Liu is familiarizing himself with the necessary tools to program and properly utilize the TI Launchpad which serves as the current plan for the DAC multiplexer portion of the circuit.

✓ **Summary of weekly advisor meeting (if applicable/optional)**