**Dec12-04 Ultrasound Brain Imaging System**

**Weekly Report - 11 (April 3 – April 9)**

Group Members: Justin Batcheler, Jon Driggs, Francis Ferrer, Allen Kellar, Richard Page, Amairani Tapia

Faculty Advisor and Client: Dr. Timothy Bigelow

**Accomplishments of the last week**

* Completed presentation in front of class.
* Meeting with Dr. Bigelow to decide what parts to purchase.
* Meeting with Dr. Mina to help plan the rest of this semester.
* Made a list of parts to order.

**Plan for coming week**

* Amairani
  + Learn PCB design software
  + Help design the Transmit Board
* Allen
  + Learn about receive circuit EVM and figure out how to test it
* Jon
  + Help design the Transmit Board
  + Looking for someone to help with programming of the FPGA board
* Francis
  + Research Korean and Chinese Ultrasound companies
  + Figure out what signal the ultrasound needs to see to properly work
* Justin
  + Work on the receive circuit EVM with Allen
  + Help Richard with the power regulation test board
* Richard
  + Work on power regulation test board

**Pending issues**

* Finding a company that can supply us with a transducer.

**Individual contributions – identify specific tasks accomplished**

* Jon:
  + Found ideal HV Pulser.
  + Designing Transmit board
* Amairani:
  + Learning PCB software
* Justin and Richard:
  + Working on power regulation of ultrasound
* Francis:
  + Researching foreign ultrasound companies
* Allen:
  + Working on testing of receive circuit EVM

**Meetings**

* Group meeting on Wednesday with everyone in attendance.
* Group meeting with Dr. Bigelow on Thursday with everyone in attendance.
* Group meeting with Dr. Mina on Friday with everyone in attendance.

**Hours**

* Below are the hours worked for each member.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Justin | Jon | Francis | Allen | Richard | Amairani |
| Last Week | 8 | 17 | 7 | 9 | 9 | 8 |
| Cumulative | 74 | 122 | 81 | 81 | 83 | 81 |