EE 491 Weekly Report (Group 22)

Week 12

Advisors: *Timothy A Bigelow*   **Client:**

Members (roles): Aaron Tainter (Programming Lead), Haoyu Wang (Presentations & Documents), Jingyu Xie (Scheduler & Electronics)

Project Title:

Programming ultrasound functional brain imaging system

Weekly Summary

This week we worked on finalizing the semester work. Jingyu and Haoyu submitted PCB board designs for printing and Aaron worked on creating IO sample programs for the NI system. Aaron also tried to get multiple channels working on the NI cards.

Meeting notes:

11/3   Group Meeting with Dr.Bigelow

Duration: *1 hour*

Members Present: Aaron Tainter

Purpose and Goals:
Our weekly meeting with Group members and Dr.Bigelow. He checked in on progress.

Achievements:
We talked about the work that I've done with labview. Because we don't have any hardware or a test board yet, it is hard to test IO with the 5752 cards. He told me to just read noise and work on getting multiple channels to work in parallel. I also told him about the status of the PCB test board.

Pending issues

1.   Wait for manufacturer to return test board.
2.   Get multiple channels to work on NI system with 5752 cards.
3.   Test that signals are being output/ can take input.

Plans for next week

1. NI system and labVIEW work. (Aaron)
2. Get test board from Lee.
3. Test the system.

Individual Contributions(this week)

1. Aaron Tainter(PXI/labVIEW work 5 hr, compiling FPGAs 2 hrs, meeting with group - 1 hour)
2. Haoyu Wang(develop PCB board with digital connector 3 hr)
3. Jingyu Xie(Developing PCB board with analog connector - 3hr)