EE 491 Weekly Report MAY1612 Week 4 (9/22/15-9/29/15)

Advisors: Mani Mina, John Pritchard **Client:** Minnetronix

Members (roles): Brandon McDonnell, Group Lead; Justin Long, Web Master
Timothy Dee, Key Concepts; Corey Wright, Communications

Project Title: Remotely Connected Electric Field Generator for Particle Separation in a Fluid

Weekly Summary

This week we met as a team to create a block diagram that our client requested for us to create. We made this block diagram based on project needs of the project and the present it to our client via a Skype meeting that was held Friday the 25th at 4:30 pm. During this meeting we present out progress and receive feedback from our client.

Meeting notes:

At 3:30 pm on Friday the 25th a meeting was held between our group here at Iowa State University in the library. We set up in one of the small rooms that you could use for group projects. There we made finalized any confusion with the block diagram that we had created and prepared for that meeting that we would soon have with John Pritchard. At 4:30 we called John over Skype and discussed both the diagram and what we would do on the project moving forward. John had some suggestions for us including an alternate, and potentially easier way to solve one of our most challenging problems.

9/25   Group Meeting with team

Duration: 2 hours   **Members Present:** All

Purpose and Goals:
Meet with our client and give him an update as well as to receive feedback on our work.

Achievements:
We found a potentially new way of doing things through a suggestion that our client gave to us. We also made plans to go forward with the project and the project plan that is due next week.

Pending issues

1. We now need to continue doing research into how exactly we can accomplish our goals and through what means, particularly the new mini circuit that is commercially available.
2. We need to finalize the project plan that is due in the coming week.
3. We need to continue to learn what sort of products are available to be used, particularly the function generator part of our circuit
4. It would be good to start setting out what systems we want to use with what parts of the project (coding languages, programs, etc.)

Plans for next week

Describe who will do what …..
1. All: Complete the project plan and have it ready to present by this Friday, October 2nd.
2. Brandon: Facilitate further meetings with John and Prof. Mina
3. All: Test the script code that was mocked up by Tim

Individual Contributions (this week)

Brandon McDonnell (3hr)
- Meeting, class discussions, and setting up meetings

Justin Long (3hr)
- Meeting and class discussions

Tim Dee (4hr)
- Meeting, class discussions, and mockup pi script

Corey Wright (3.5hr)
- Meeting, class discussions, wrote weekly report 4

Total contributions for the project

Brandon McDonnell (8hr)
Justin Long (8hr)
Tim Dee (10hr)
Corey Wright (9hr)