

EE 491 Weekly Report MAY1612 Week 6 (9/29/15-10/6/15)

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 finished work on the project plan that was required to be turned into Blackboard. This plan outlined what we had done so far and the plans for what we were to do for the next two semesters for this project. We found that in our project plan our advisor wanted us to be done working quickly on the actual engineering components so that we could test our circuit extensively. This looks like a goal that we should be able to meet.

Meeting notes:

At 3:00 pm on Thursday the 1st 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 finalized any confusion with the project plan that we had created. We also looked into alternate ways to do our project that were suggested by John Pritchard the previous week. We went over a temporary budget for our project including buying off the shelf parts and components.

9/25 Group Meeting with team

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

Purpose and Goals:

Finish the project plan and create a timeline along with a budget.

Achievements:

We were able to meet every goal that we had created for this meeting

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 continue to learn what sort of products are available to be used, particularly the function generator part of our circuit
3. 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. Brandon: Facilitate further meetings with John and Prof. Mina
2. All: Test the script code that was mocked up by Tim
3. Meet to start creating what we need from the purchased parts.

Individual Contributions (this week)

| | |
|-------------------|-------|
| Brandon McDonnell | (2hr) |
| Justin Long | (2hr) |
| Tim Dee | (3hr) |
| Corey Wright | (2hr) |

Total contributions for the project

| | |
|-------------------|----------|
| Brandon McDonnell | (10hr) |
| Justin Long | (10hr) |
| Tim Dee | (12.5hr) |
| Corey Wright | (10.5hr) |