ELET 4780 – Senior Project 1 – FALL 2015

To: Elias Kougianos

From: Chris Harris

CC: George Dunson

Date: 11/15/2015

Re: Senior Design Weekly Report – TEAM 1

# Overview

This week we continued to work on the firmware for the I2C bus. We have been making progress thanks to some sample code we were able to find, though most of our time is consumed with trying to learn more about the I2c libraries along with how to use them. In addition, we have also been working on our website and have been researching which program we will use to visualize the data we collect form the accelerometer. While we have many choices, I think gnuplots is going to be our main focus as of right now. If we need a more robust program then Octave is also available to use and since it functions similarly to Matlab, we have some experience that will make working with this program a bit easier. We are still looking at Amazon’s AWS system for future improvements

# Completed Tasks

* Created website (untseniordesign.com)
* Made progress with the I2C interface

# Ongoing Tasks

* Considering options for publishing content to the web
* Researching gnuplot features and functionality

# Next Week’s Tasks

* Continue work on the firmware
* Interface gnuplots with our website

# Interaction with the other team members

* Met between classes to exchange ideas for the I2C firmware, also used free time for research.

# Unresolved major issues (if any)

* None.

# Weekly assignments (if any)

* E-mailed a copy of our 2nd presentation