ELET 4780 – Senior Project 1 – FALL 2015

To: Elias Kougianos

From: George Dunson

CC: Chris Harris

Date: 09/27/2015

Re: Senior Design Weekly Report – TEAM 1

# Overview

This week was busy as Team 1 finalized the initial BOM which was submitted with the understanding that additions would need to be made for a power supply in the form of a lithium battery along with a solar charging cell and required circuitry to integrate the two into the existing circuit. The creation of the Mid-Term slide show which will be the main component to Team 1’s presentation on Monday September 28, 2015 proved to be an educational process. The presentation brought some aspects of the project that were previously not visible or overlooked to the attention of the team. One of the overlooked items is the method of pushing sensor data from the Edison to the web, this will require a premade solution since neither of the team members are experienced web developers. Team 1 is currently planning to use <http://ThingSpeak.com> which is a website/webserver that will host IoT data at no cost to the team. An example project will be used by the team in the coming weeks to gain an understanding of how this service/site works.

# Completed Tasks

* Completed the Mid-Term Presentation
* Created GitHub Repository

# Ongoing Tasks

* Find example code
* Read datasheets and reference materials for the Edison
* Build prototype

# Next Week’s Tasks

* Start assembling hardware upon delivery
* Get familiar with hardware by following tutorials.
* Start an example project with ThingSpeak

# Interaction with the other team members

* Chris and I spent 2-3 hours in an open lab Tuesday going over the implementation of GitHub for our project
* Got together each day in spare time between classes to exchange ideas and give each other feedback on small issues/ideas we had for the project

# Unresolved major issues (if any)

* None.

# Weekly assignments (if any)

* Mid-Term slide-show was completed and will be presented to the Senior Design I class on Monday September 28th, 2015.