ELET 4780 – Senior Project 1 – FALL 2015

To: Elias Kougianos

From: George Dunson

CC: Chris Harris

Date: 09/20/2015

Re: Senior Design Weekly Report – TEAM 1

# Overview

The goal this week was to create a list of hardware we would need to implement this project, which we sent earlier this week, and to decided what code language we would use to program the Intel Edison. The parts list that we created is only for the sensor and the hub, not the power supply/charging station since we want to focus on familiarizing ourselves with the product first. We have decided that we will use C/C++ and the Eclipse IDE to program the Edison. We took a look at the JavaScript language and IDE but ultimately decided to stick to a language we have more experience with. Along with this we will use either github or another site to keep our code in a central location so we can see each others work and have version control. Once we get the hardware we will start building a prototype, though until then we are going to look for code examples that can help use create our own code for this project.

# Completed Tasks

* Completed the BOM.
* Chose programming language and IDE.

# 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.
* Find online host for project data reports and source code.

# Interaction with the other team members

* Met with Brandon on 09/16/2015 to discus basics of the project for an hour.
* Got together each day in spare time between classes to decide on an integrated development environment and discus what we had learned about the Edison during our independent research.

# Unresolved major issues (if any)

* None.

# Weekly assignments (if any)

* None.