Capstone Meeting 19

Date: 4/17/2018

Time: 6:10 PM to 6:35 PM

Update:

* Thorson currently working on the Schmitt trigger on the website and setting everything up for it
* PCB board is finished and working
* Back up sensors are in and working fine
* Back up microSD card made and ready in case of any failure
* Currently collecting data for the implementation of the Schmitt triggering for the sensor values

Plan:

* Demo and Video
  + Show changes in information
    - Ex: Temp via hair dryer, LUX via flashlight, PIR sensor via movement, etc.
  + Use a back-up breadboard just in case our PCB doesn’t work for X, Y, or Z reason
  + Setting up the javascript file and the python file to run on boot
* Work on making sure that our sensors are calibrated and accurate with comparison to measuring equipment, like thermometer, LUX meter, etc.
* Currently using websockets for real-time values and keeping them open. Samuel suggested to not use websockets at all due to use of too much resources on both sides
* Modify the device-side code for sending of data, currently pulling data once/sec and sending averages once per minute
* Do report
* Finalize poster - schematic(s) in the center, the various software tools and whatnot around it, objectives and points on the left, and the rest of the information reasonably spread out
* Make project box

Things that need to be addressed…

* Figure out next steps for the presentation of our capstone on expo day.
* Schmitt trigger needs to be setup as soon as possible on website