Capstone Meeting 17

Date: 4/3/2018

Time: 5:15 PM to 5:30 PM

Update:

* Thorson currently working on the Schmitt trigger on the website and setting everything up for it
* PCB board layout finished and we’re going to order the PCB soon, after Samuel’s approval
* Currently collecting data for the implementation of the Schmitt triggering for the sensor values

Plan:

* Demo
  + 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
* Work on making sure that our sensors are calibrated and accurate with comparison to measuring equipment, like thermometer, LUX meter, etc.
* Order additional sensors
* Device physical design
  + LUX sensor pointing towards the ceiling and the PIR sensor pointing out from the front, a decent distance away from the Pi. The temp & humidity sensor could be placed wherever
  + \*\*\*NOT MAKING ENCLOSURE\*\*\*

Things that need to be addressed…

* Figure out next steps for the presentation of our capstone on expo day. i.e. new sensor addition? Simple control of something?
* As the hardware team finishes up, they’ll need to tackle the poster and final report