Capstone Meeting 9

Date: 2/13/2018

Time: 5:35 PM to 5:55 PM

Update:

* Our BME680 got fried and is currently discontinued so that sensor is a dead end
* Si7021 (Temp & Humidity Sensor) was ordered over the weekend and arrived on Tuesday so we’ll be using that instead
* PIR Motion Sensor Driver more or less done. Any additional uses will be done in the main python file for automation or alerts
* Piping completed last week
* Server communication set-up working
  + Publish / subscribe method working

Plan:

* Power sensors directly via 3.3 V
* Start and finish the Si7021 Driver on Tuesday (2/13/2018)
  + Add in direct I2C connection later via removing level shifting and pull-up resistors later
* Potentially add in last time room was occupied via PIR motion sensor
* Back-end mechanism to change LUX threshold and be able to check if it falls within said threshold
  + Think of a Schmitt Trigger (hysteresis)
  + Common practice within IoT devices and services