Meeting Minutes: March 23, 2016

Team: grEEn

Team Leader: Bridget

Note Taker: Kara

Present: David, Dr. Schafer

Access Point

* + User has to be able to select SSID, password, garden name, and plant in a way that is straight forward and doesn’t require technical knowledge
  + The system has to notify the user when it has lost internet
  + For the board design make sure to include whatever we need to ensure that this wifi setup method will work

Board Design

* + Using ESP12F - part is located in library on Sakai
  + Use fixed voltage DC-DC at 3.3 V - no need for voltage regulator
  + Sensor board containing just the sensors and the mix - will connect to main board (I2C)
  + Using a PMOS transistor to control the power to the sensors to save battery.
    - The transistor will be pulled low when the ESP device wakes from sleep, this will turn on the sensors
  + The board has about a two week lead-time so finish the design ASAP

Current Goals

* + Get access point feature working with ESP
  + Have a board design to be sent to Professor Schafer for review by Monday, March 28, 2016