# **Sensor Platform**

# PSU Capstone Project

# WPR

Last Week: 3/14– 3/20

Next Week: 3/21 – 3/28

# Colten Nye

## Last week:

* GUI
  + Added validation when saving a sensor.
  + Added dynamic form options when selecting sensor type.
  + GUI loads sensor type definitions from resource file.
  + Added function to write to file.
* Team decided to attempt defining a sensor description language to describe an arbitrary sensor to the MCU.

## Next week:

* Confirm which sensor user parameters are required.
* Begin the process of defining a sensor description language.
* Compose two detailed use cases:
  + One for designing a sensor.
  + One for using the system.
* Update task list and review with all.
* Implement serial functionality in GUI.

## Issues:

* A sensor description language may be overly complex for I2C type sensors (or may be very straightforward). We will quickly do some research to determine how doable this is.

# Golriz Sedaghat

## Last week:

* Worked on the proposal document
* Worked on the project schedule
* Created the new bill of material
* Updated the pin list for the schematic (in order to have consistency between HW and SW)
* Today, I heard back from Andrew regarding reviewing the PCB’s; he will kindly review the boards and send us his feedback

## Next week:

* After getting Andrew’s approval regarding the boards, will send them to fab
* Will work on the project schedule and test plan
* Will revise the proposal based on the given feedback in the yesterday meeting
* Will meet with the team next Thursday, to discuss the next action items

## Issues:

* Sending boards to fab as soon as possible