# **Sensor Platform**

# PSU Capstone Project

# WPR

Last Week: 3/20 – 3/26

Next Week: 3/27 – 4/3

# Steve Peirce

## Last week:

* Continued research on FatFS and SDIO libraries.
* Modified and verified SDIO connections for 4 wire SD card setup.
* Sent board layout to fabrication at OSH Park.
* Consulted with Mike at Erebus Labs on VOC sensor.
* Ordered VOC sensors (2).
* Ordered parts to populate fabricated boards.
* Met with Golriz to strategize on next steps and review progress.

## Next week:

* Solidify Serial comm protocol for programming via GUI.
* Complete SDIO data-logging ability.
* Complete Accelerometer I2C library.
* Continue working on USART comm protocol, (ideally, complete).
* Create test plan for software.
* Create test plan for hardware.
* Reassess job dispersion with teammates.
* Port code from STM32F207 to STM32F205 in prepararion for fabbed boards.

## Issues:

* No updates on GUI progress.
* Team schedules not aligning.
* Job dispersion remains unclear.
* Job schedule incomplete.
* SDIO incomplete.
* USART serial incomplete.
* GUI comm protocol still not solidifed.