# **Sensor Platform**

# PSU Capstone Project

# WPR

Last Week: 3/27 - 4/3

Next Week: 4/4 - 4/11

# Steve Peirce

## Last week:

* Continued research/testing on FatFS and SDIO libraries.
* Successfully implemented TX (To PC) Serial protocol
* Solidified Serial comm protocol for GUI with Colten
* Received parts for boards
* Received boards from FAB, (main and daughter/sensor boards)
* Discussed timer resolution issues for sub-second resolution
* Met with team to discuss next steps, test plan, etc.
* Team seems to be working much better together finally!

## Next week:

* Populate boards
* Test boards
* Submit processor and peripheral selection decision matrices
* Implement Serial RX (programming) protocol
* Implement SDIO
* Integrate full firmware
* Migrate firmware to populated boards, (once ready, assuming functionality)
* Disperse software/firmware testing jobs
* Begin poster layout

## Issues:

* SDIO not fully functional
* Serial comm protocol not fully functional
* Team schedule not fully revised/submitted
* Decision Matrices not submitted
* ….Time is running out!