# **Sensor Platform**

# PSU Capstone Project

# WPR

Last Week: 2/7 – 2/13

Next Week: 2/14 – 2/20

# Colten Nye

## Last week:

* Finished draft of all requirements.
* Met with team
  + Reviewed requirements.
  + Clarified our plan of finishing the proposal.
  + Discussed many details of implementation.

## Next week:

* Gain sponsor approval of the requirements document.
* Polish and rehearse Project Proposal.
* Meet with team on Thursday.
* Take STEM survey.

## Issues:

* Proposal Presentation is still behind schedule, intend to finish this week.

# Steve Peirce

## Last week:

* Configured Keil, STMCube and CooCox IDE to determine viability of each.
* Continued reading datasheets, (1600+ pages).
* Set up/ built first test code.
* Met with team about proposal and requirements.
* Calculated power consumption based on STM32F207 peripheral set and STMCube values.

## Next week:

* Get code running of board.
* Write up proposal based on approved requirements.
* Meet with team on Thursday.
* Take Andreas survey.

## Issues:

* No running code yet, will be resolved this week. Had major progress at work which alleviates a lot of new time.

# Golriz Sedaghat

## Last week:

* Created the preliminary schematic based on the STM32 documents (I found a library for STM32 which contains a symbol for STM32F2X, so I didn’t have to create the symbol).
* Revised and modified the project proposal, significant changes were made in the methodology and project detailed description sections.
* Reviewed the preliminary project requirements provided by Colten.

## Next week:

* While waiting to hear about Colten and Steve’s thoughts and ideas regarding the schematic and proposal document, I’ll start to convert the current proposal to power-point format.
* Low power consumption is one of the design requirements of the project (having minimum of 3-month duty cycle), so I’ll try to study and gain some info about possible low-power designs with STM32.

## Issues:

* How low in power consumption can we design the system? What are the possible designs? What are the design considerations?