Team 1 Open Source Air Quality Monitoring

Week 1: January 2nd 2022 - January 9th 2022

Sponsor: Dr [David Burnett](mailto:dburnett@pdx.edu)

Advisor: Dr John Acken

Team Members: [Adam Dezay](mailto:adezay@pdx.edu), [Manuel Garcia](mailto:manga2@pdx.edu), [Brandon Hippe](mailto:bhippe@pdx.edu), Mercedes Newton

**Team Review:**

* Team established meeting times.
  + Team will meet with John Acken every Monday at 4:30.
  + Team will meet independently every Tuesday at 6:35.
* Team scheduled a meeting for Monday January 16th with Dr. Burnett to discuss questions and project proposals.
* Team established a shared drive, github and trello for record keeping and collaboration.
* Team curated questions and discussed our project proposal in preparation for our first meeting with Dr. Burnett. Questions listed below:
  + What percent accuracy do we require for our CO2 sensor?
  + Should we use Eco2 to estimate CO2 or a Real CO2 sensor?
  + Can we use the other microcontroller or should we use MSP430?
* Team conducted initial research and began brainstorming potential solutions.

**Individual Review**

Adam Dezay: Agreed to create wiki for team Github.

Brandon Hippe: Began python script for component power consumption estimations.

Manuel Garcia: Conducted initial research and began weighting benefits of specific components.

Mercedes Newton: Curated team Report.