Current Status Report
ECE 411

Team #3:

Jacob Louie (jlouie@pdx.edu)
Vladimir Grigoriev (vg8@pdx.edu)
Kiryl Rabushka (rabushka@pdx.edu)
Tristan Josue (jtristan@pdx.edu)

Instructor: Andrew Greenberg

ECE DEPARTMENT
PORTLAND STATE UNIVERSITY

The current state of the breadboard prototype:

- Works on Arduino Uno board
- Display works and shows hex value for the color sensed
- Color sensor works and can detect colors
- We have basics for calibrating to black and white colors for reference to get better readings
- We added a button that switches modes allowing the circuit to idle when not taking readings

What can be improved:

- Get an understanding of how to calibrate the device better
- Work with the mode states to make the color sensor more power-efficient

What should be done:

- Build our own “Arduino board” using ATMEGA chip
- Make an isolated place from the surroundings for the sensor to get readings (3d print case)