

Work Report Summary

Date Assigned: 6th April, 2019

Date Submitted: 13th April, 2019

Name: Sahas Agarwal

Subsystem: Coding

WRO 2019 Progress:

➤ OpenMV:

- Completed the colour detection code. It includes communication with the arduino.

https://github.com/RoboManipal-9-0/Coding-FirstYears/blob/Branch---Sahas-Agarwal/Sahas/OpenMV/Colour_detection.py

➤ Encoder:

- Completed a preliminary code which inputs multiple encoder values using multiplexers. Not tested yet.

https://github.com/RoboManipal-9-0/Coding-FirstYears/blob/Branch---Sahas-Agarwal/Sahas/test_encoder/enc_mux.ino

ROS (Issue #1):

<https://github.com/RoboManipal-9-0/Coding-FirstYears/issues/1>

- Code to interface ROS with Arduino using rosserial.

Issues Faced

OpenMV:

- Threshold for orange and red don't work as expected in all lighting conditions.