

# **Work Report Summary**

**Date Submitted:** 19th May, 2019

**Name:** Simran Malhotra

**Subsystem:** Coding

## **WRO 2019 Progress:**

- Multiplexer
  - 74153 4-Input Multiplexer was tested.
  - Testing of the Multiplexer code to get encoder values from four different motors was done.

<https://github.com/RoboManipal-9-0/Coding-FirstYears/blob/master/Simran/Multiplexer/Multiplexer.ino>

## **Summer Project 2019:**

- Branch 'SummerProject - -ML&OpenCV' created on GitHub.
- Learning various Python libraries(pandas, numpy, etc.)  
Ongoing course "Introduction to Data Science in Python".

<https://www.coursera.org/learn/python-data-analysis>

- Week 1 of Andrew NG course in progress. Python implementation needs to be done.

[http://www.holehouse.org/mlclass/01\\_02\\_Introduction\\_regression\\_analysis\\_and\\_gr.html](http://www.holehouse.org/mlclass/01_02_Introduction_regression_analysis_and_gr.html)

- Went through some basics of OpenCV.
- Downloaded Anaconda Navigator in order to use Jupyter notebook and installed numpy, pandas and matplotlib.

## **Issues Faced**

### **Multiplexer:**

- The code was not working properly. We were getting junk encoder values.