Lab Report 10

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Summary: Hours spent: 12 hours

Sunday: (2hrs) I fixed the errors surrounding the new implementation and smoothed out the robot so now it stays in the middle of the squares most the way through.

Monday: (2hrs) I have created the subscriber and the publisher for the camera and do not know why I cannot pass data through. Zachary gave me a hint of using Range() to pass multiple values.

Wednesday: (4hrs) I am supposed to do cameraEnable() and recognitionEnable! Two lines of code have held me back for so long. Implemented the camera and got it to send me the distances of the Green, Yellow, and Blue pillars as 3 of the Range() values. My robot only uses these values after each full rotation so it works. Created a function in my master file that accurately uses these values to update X and Y.

Thursday(2 hrs) Implemented a print function that prints into the terminal somewhat like it did for our class last semester. Also changed the logic to where the robot does not do hardcoded turns, but instead uses the map it has created to turn left or right if it is about to enter a previously traveled square!

Friday(2 hrs) Finished testing and editing, it runs better than it did for class last semester to be honest. I have put comments to document everything that is going on in my files. I have also updated my github repository.

Next Week:

Write my report and create a video for my working project.

I will begin understanding task 2 and hope to complete some of the early objectives with that.