



## March 26 - April 01 Weekly Report

### 1 Progress

- Chassis is renewed, distance between camera and wheels are shortened. Also, wheels are now closer to center of mass.
- Last week, there was a problem with camera. The camera was collapsing when there is a blue object in the frame. This problem is debugged and it is revealed that the problem is due to camera hardware itself. The pixel values of the image corrupts when blue color appears in the scene.
- Image processing is improved. With the new update, vehicle can find its way if there is only one line is present in the image.

### 2 Plans

- Further PID controller design parameter tuning for controller subsystem with varying base speed.



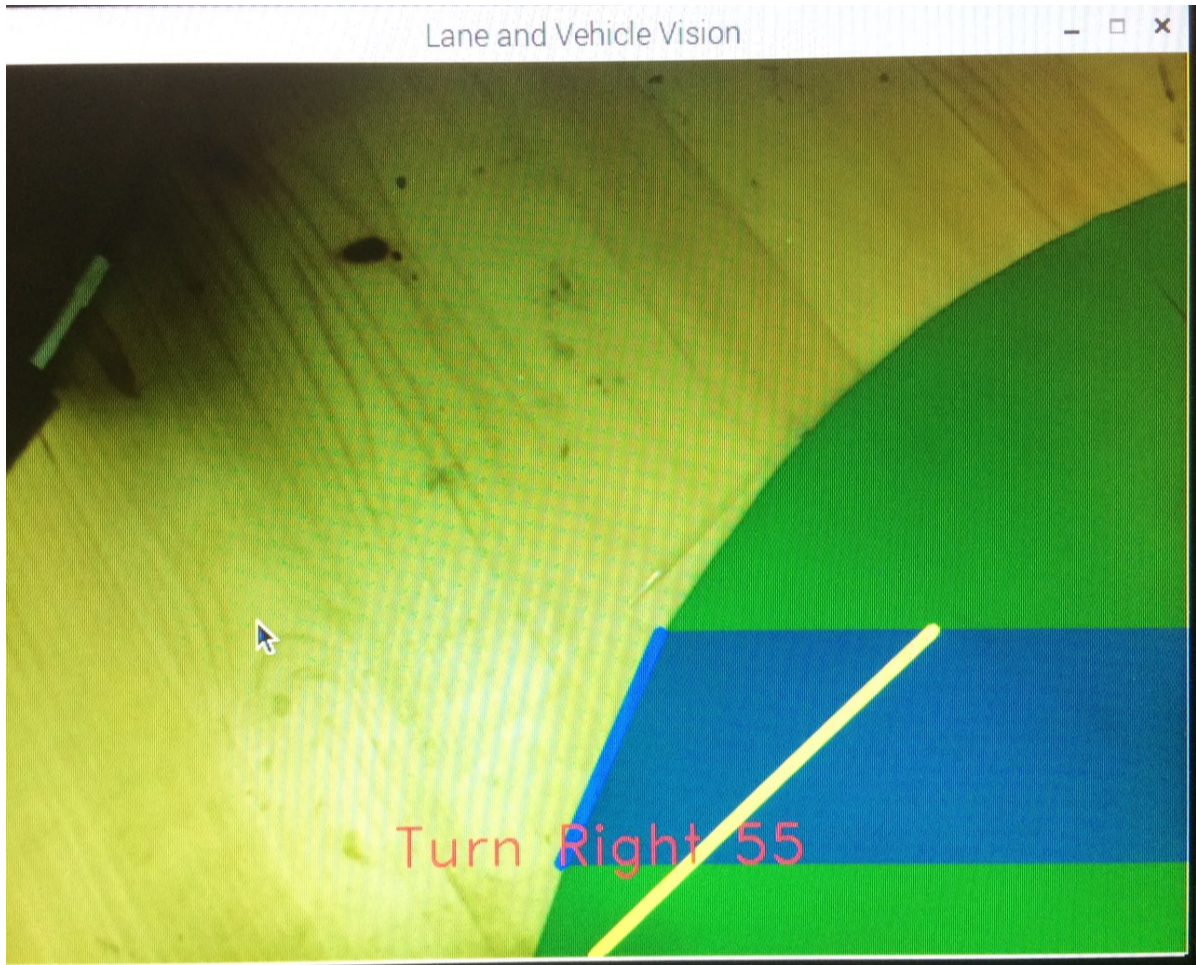


Figure 1: Finding Direction in Half Blind Vision

