LINE-DETECTION

Method:

Step1: Captured the image

Step2: Converted the BGR colour into HSV using

hsv = cv2.cvtColor(frameName, cv2.COLOR\_BGR2HSV)

Step3: Uses Canny function to convert image into binary image i.e. black should be perfect black and

should be perfect white

Step4: Now use HoughLineP function for detecting the lines in the image. It returns the array of lines

with coordinates of lines i.e. x1,y1,x2,y2

Step5: Use Cv2.line function for creating the lines using the coordinates.

Problem: How to Convert image into binary image?

* By using canny function
* Link Referred: https://docs.opencv.org/3.1.0/da/d22/tutorial\_py\_canny.html

Problem: How to detect the lines from the image?

* Using HoughLineP
* Link Referred: https://docs.opencv.org/3.0-beta/doc/py\_tutorials/py\_imgproc/py\_houghlines/py\_houghlines.html