CONTOURS-DETECTION

Method:

Step1: Captured the video frame by frame

Step2: Flipped the frame just for own sake (Optional)

Step3: Converted the BGR colour into HSV using

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

Step4: Set the range of colour you want to extract, here I extracted blue and hence set the range

accordingly. (Note: For different software and hardware the value of colour may vary)

Step5: Use find contours for finding the contours and further draw functions to draw the contours.

Problem: How to find HSV from RBG?

* Link Referred: <https://docs.opencv.org/3.4/df/d9d/tutorial_py_colorspaces.html>
* https://www.rapidtables.com/convert/color/rgb-to-hsv.html

Problem: How to lower the noise in the image?

* Using Gaussian Blur
* Link Referred: <https://docs.opencv.org/3.1.0/d4/d13/tutorial_py_filtering.html>

Problem: How to draw of find the contour?

* Link Referred: https://docs.opencv.org/3.1.0/d4/d73/tutorial\_py\_contours\_begin.html