import cv2

cam = cv2.VideoCapture(0)

image = 0

def CaptureImage():

global image

print("Capturing Image :")

ret, image = cam.read()

k = cv2.waitKey(10000)

print("Image Capture successfully")

cv2.imwrite('/home/pi/pictures/testimage.jpg',image)

cam.release()

cv2.destroyAllWindows()

def AnnotateImage():

print("print Annotation Completed..")

ImageCopy = cv2.imread('/home/pi/Picture/testimage.jpg',image)

ImageDimension = ImageCopy.shape

print("Dimension of the Image :",str(ImageDimension))

Start = (0,340)

End = (100,480)

cv2.rectangle(img=ImageCopy,pt1=Start,pt2=End,color=(0, 0, 255),thickness=3,lineType=cv2.LINE\_8)

cv2.putText(img=ImageCopy,text="pen\_stand",org=(0, 330),fontFace=cv2.FONT\_HERSHEY\_SIMPLEX,fontScale=0.5,color=(255, 0, 0),thickness=1)

cv2.imshow('AnnotatedImage', ImageCopy)

cv2.waitKey(10000)

CaptureImage()

AnnotateImage()