HarishRaaghav – harishraaghav.ss2019@vitstudent.ac.in

**ASSIGNMENT – 6**

**Code :**

```
import cv2

eye_classifier=cv2.CascadeClassifier("haarcascade_eye.xml")



#It will read the first frame/image of the video
image=cv2.imread('eyes.jpg')

cv2.imshow('Image',image)

eyes = eye_classifier.detectMultiScale(image,1.3,5)
print(eyes)
for(x,y,w,h) in eyes:
    cv2.rectangle(image, (x,y), (x+w,y+h), (127,0,255), 2)
    cv2.imshow('eye detection', image)
    cv2.putText(image, 'eye',(x,y-10), cv2.FONT_HERSHEY_SIMPLEX, 0.5,
(255,0,0), 1)

    Key=cv2.waitKey(1)
    if Key==ord('q'):
        #release the camera
        video.release()
        #destroy all windows
        cv2.destroyAllWindows()
        break
```

# Python Console :



```python
import cv2

eye_classifier=cv2.CascadeClassifier("haarcascade_eye.xml")


#It will read the first frame/image of the video
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```



```
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:\Users\HARISH\OneDrive\Desktop\Assignment\Cars.py =========
[[ 622 1904   42   42]
 [1412  561   57   57]
 [1760 1839   53   53]
 [1865 1838   57   57]
 [ 633 1374   58   58]
 [1335 1386   67   67]
 [ 227  578   60   60]
 [1044 1397   57   57]
 [ 121  571   78   78]
 [  89 1512   44   44]
 [1440 1389   59   59]
 [1807 1402   64   64]
 [1320  589   67   67]
 [ 582  594   73   73]
 [1765  597   57   57]
 [1037  997   60   60]
 [1412 1804   63   63]
 [1898 1407   51   51]
 [ 958 1398   57   57]
 [  86 1405   59   59]
 [ 503  591   57   57]
 [ 947  588   65   65]
 [ 179 1428   59   59]
 [1860  602   55   55]
 [1041  592   66   66]
 [1041 1796   67   67]
 [ 528 1804   58   58]
 [ 615 1806   54   54]
 [1322 1814   59   59]
 [ 205 1816   58   58]
 [ 112 1822   65   65]
 [ 530  975   66   66]
 [ 624  175   56   56]
 [ 520  172   68   68]
 [1453  181   61   61]
 [1361  183   61   61]
 [ 628  974   66   66]
 [ 248  986   57   57]
 [ 210  186   47   47]
 [ 943  991   60   60]
 [ 102  194   44   44]
 [ 964  194   44   44]
 [1044  185   55   55]
```

**Original JPG file :**



**After Detecting The Eyes :**