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IoT Externship Training

Assignment 6

Q) Develop a python code to detect any object using Haar cascade classifier.

CODE –

```python
import cv2
import numpy as np

bode_classifir = cv2.CascadeClassifier('haarcascade_fullbody.xml')
video = cv2.VideoCapture('Walking.avi')

while video.isOpened();
    ret, frame = video.read()
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    bodies = body_classifier.detectMultiScale(gray, 1.2, 3)
    for (x,y,w,h) in bodies:
        cv2.rectangle(frame, (x, y), (x+w, y+h), (0, 255, 255), 2)
        cv2.imshow('Pedestrians', frame)
    if cv2.waitKey(1) == ord('q'):
        break

video.release()
cv2.destroyAllWindows()
```

OUTPUT –