250Recognize watch from the given image by general Object recognition using Open CV.
CODE:

```
import cv2


# Load the pre-trained Haar cascade for watch detection

watch_cascade = cv2.CascadeClassifier("watch-cascade.xml")  # Ensure this file is in the same directory


# Read the image

image = cv2.imread(r"C:\Users\harik\Downloads\CV LAB\smartwatch.jpg")  # Replace with your image file path


# Check if the image was loaded successfully

if image is None:

    print("Error: Could not load image. Check the file path.")

    exit()


# Convert the image to grayscale

gray = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)


# Detect watches in the image

watches = watch_cascade.detectMultiScale(gray, scaleFactor=1.1, minNeighbors=5, minSize=(30, 30))


# Draw bounding boxes around detected watches

for (x, y, w, h) in watches:

    cv2.rectangle(image, (x, y), (x + w, y + h), (0, 255, 0), 2)


# Display the image with detections

cv2.imshow("Detected Watch", image)

cv2.waitKey(0)

cv2.destroyAllWindows()OUTPUT:
```


Detected Watch
TIMEWEAR
SL-68
MOVEMENT