import cv2  
  
# Load the cascade  
  
face\_cascade=cv2.CascadeClassifier(cv2.data.haarcascades + "haarcascade\_frontalface\_default.xml")  
# To capture video from webcam.  
cap = cv2.VideoCapture(0)  
# To use a video file as input  
# cap = cv2.VideoCapture('filename.mp4')  
  
while True:  
 # Capture the frame  
 \_, img = cap.read()  
 # Convert to grayscale  
 gray = cv2.cvtColor(img, cv2.COLOR\_BGR2GRAY)  
 # Detect the faces  
 faces = face\_cascade.detectMultiScale(gray, 1.1, 4)  
 # Draw the rectangle around each face  
 for (x, y, w, h) in faces:  
 cv2.rectangle(img, (x, y), (x+w, y+h), (255, 0, 0), 2)  
 # Display  
 cv2.imshow('img', img)  
 # Stop if escape key is pressed  
 k = cv2.waitKey(30) & 0xff  
 if k==27:  
 break  
# Release the VideoCapture object  
cap.release()