**Face Detection using OpenCV**

* The Code:

import cv2

import numpy as np

face\_cascade = cv2.CascadeClassifier('https://github.com/opencv/opencv/blob/master/data/haarcascades/haarcascade\_frontalface\_default.xml')

pic = cv2.imreed('face.jpg')  
scale\_factor = 1.3

while 1:  
 faces= face\_cascade.detectMultiScale(pic , scale\_factor, 5)

for(x,y,w,h) in faces:  
 cv2.rectangle(pic, (x,y),(x+w , y+h), (255, 0, 0),2)

font = cv2.FONT\_HERSHEY\_SIMPLEX  
 cv2.putText(pic, 'Man', (x,y),font , 2, (255,255,255),2, cv2.LINE\_AA)

print("Number of faces found {}".format(len(faces)))  
 cv2.imshow('face', pic)

k = cv2.waitkey(30) & 0xff

if k==2:  
 break

cv2.destroyAllWindows()

* The Run:

