In [3]:
```
#Face Detection
import cv2


#https://github.com/opencv/opencv/tree/master/data/haarcascades
faceCascade = cv2.CascadeClassifier("haarcascade_frontalface_default.xml")

img = cv2.imread('group2.jpg')

imgGray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)


faces = faceCascade.detectMultiScale(imgGray, 1.1, 4)      # scale factor and minimum neighbours

for (x,y,w,h) in faces:
    cv2.rectangle (img, (x,y), (x+w, y+h), (255,0,0), 5)

cv2.imshow("Res", imgGray)
cv2.imshow("Results", img)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

In [4]:
```
#Face Detection
import cv2

faceCascade = cv2.CascadeClassifier("haarcascade_frontalface_default.xml")


vcap = cv2.VideoCapture(0)

#vcap = cv2.VideoCapture('file.mp4')

while True:
    ret, frame = vcap.read()
    imgGray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)

    faces = faceCascade.detectMultiScale(imgGray, 1.1, 4)      # scale factor and minimum neighbo
    for (x,y,w,h) in faces:
        cv2.rectangle (frame, (x,y), (x+w, y+h), (255,0,0), 2)

    cv2.imshow('image', frame)

    k = cv2.waitKey(30) & 0xff
    if k==27:
        break

vcap.release()
cv2.destroyAllWindows()
```

In [ ]:
```

```