

Without filter:

Here,

I have taken the image as grayFrame and detected faces in it. If there is a nose present, then only it is valid. For that, I have used a nose cascade from the link. This detects faces almost perfectly. For face detection, I have used min neighbours=10 and scale=1.05.

For eye detection, I have split the face into left eye and right eye and if eye is detected, return 1. This removes false positives. For eye detection, I have used scale=1.05 and neighbours=20 for images and scale=1.34 and neighbours=15 for video.

Filter:

I have used median blurring. On the image or frame