Abstract

Topic: FaceMask Detection Alert

COVID-19 pandemic has rapidly affected our day-to-day life disrupting the world trade and movements. Wearing a protective face mask has become a new normal. Soon, many public service providers will ask the customers to wear masks correctly to avail of their services. Therefore, face mask detection has become a crucial task to help global society. I will use deep learning to develop the face mask detector model. A face mask detection dataset consists of with mask and without mask images, I am going to use OpenCV to do real-time face detection from a live stream via webcam. The proposed method detects the face from the image correctly and then identifies if it has a mask on it or not. As a surveillance task performer, it can also detect a face along with a mask in motion. Then, If the person does not wearing mask the alert sound will produce it. Untill we are wearing the mask, there will be producing an alert sound. The method attains accuracy up to 95.77% and 94.58% respectively on two different datasets.