Watch Sanitizer

India is currently in 21 days Lockdown to restrict new COVID-19 cases but we can't keep this lockdown for a long time at some point people will going to come out and will interact with each other and this will surely increase COVID-19 cases, To avoid this kind of situation our Ministry of health have advised to use face masks and hand sanitizer ;and avoid handshakes and touching our own face. But as we know these things are hard to remember, for this purpose I have designed a device which can remind us to regularly sanitize our hands and not to touch our face.

Sanitizer watch is designed to remind us sanitize our hands regularly and alarm us whenever we would touch our face, it would be made up of a watch, a hand sanitizer bottle and a Face touch alarm.

1. Watch function other than being a nice watch is to remind us regularly to sanitize our hand after every few minutes, user can define this alarm interval time according to the guidelines of ministry of health. Alarm itself should not be too long a little vibration on the wrist would be fine and also it should automatically goes off after few seconds.
2. Hand sanitizer function is to provide sanitizer by a simple thumb press. It’s size should be small and It would be located right below our wrist. We can wear gloves to avoid any side effect of excess use of hand sanitizer.
3. Face touch alarm (FTA), would be located somewhere on our head (maybe behind one of our ear), it would be able sense whenever we would touch our face and it would activate the alarm/buzzer. As you can see in below image we can construct this FTA with the help of a Drlington pair/Amplifier, two small battery cells, a buzzer and a resister. We have to optimize this circuit such that the buzzer will vibrate only when we would touch our face. Otherwise it will going to vibrate forever.

