Driver Safety

Overview:

Safety for all is a key aspect in Unilever. We are looking forward to build a mobile app/ device which will ensure safety for all drivers, be it our own employee or our truck drivers.

The device can be useful for drivers of our own and third party's fleet. The mobile app can be more beneficial for our own employees.

Current Challenges:

Currently, we can see people taking calls and checking their mobile frequently while driving, which are the causes of many road accidents.

Also, there are many incidents where the person driving, feels tired, and at that time, they are prone to make accidents which can become fatal for his/ her own life or other people's life. Rash Driving is another menace to the people's road safety and other damages.

All the above incidents can cause damage to human life as well as other animals or materials.

Business Requirement:

A mobile app/ device which can do the following –

- ➢ Put "*drive mode*" in the mobile whenever the vehicle speed goes above 20 Kmph. Here, the driver won't get any phone call/ WhatsApp call/ messenger call/ any other audio or video calls. The caller will automatically be notified that the person is driving. When the vehicle comes at rest, then the driver will get a notification with all the calls that he/ she has received.

- ➢ Automatically the app will sense if the driver is feeling tired and provide him/ her alert by buzzing an alarm to keep him/ her awake or suggesting to take rest.

- ➢ Analytics on the speed of the vehicle during in-transit and whenever the speed is high then an alert to the driver will be sent

out to be cautious. The advanced version of the app should store the information of the speed limit in each road and alert the driver if vehicle speed reaches 95% of the speed limit.

➢ Also, if a device is deployed in a 3P vehicle that is not for dedicated Unilever use, the vendor needs to take care of the reverse logistics of the device from the destination.

The next challenge is that the mobile app/ device can be part of IOT infrastructure where remotely someone can monitor these data and he/ she can also be alerted in case of any of these above anomalies.