

# **SLEEPALERT**

This is an android based **drowsiness detection system** . We have developed a Smartphone based application which monitors the eyes of the driver and alerts the driver when they closes their eyes for more than 1.5 seconds. Front camera of the Smartphone is used to monitor the face of the user in real time. Drivers need to have mobile stands for vehicles to use the system in real world.

## **Requirements**

### **Hardware**

- Android Device with minimum sdk 21
- Mobile stand for vehicles

### **Software**

- Android studio

## **Steps to run the app**

- Zip file(sleepalert\_final.zip) is uploaded. Download the zip file and extract it in some location
- Open android studio and choose "Open an existing Android Studio project" option
- Then specify the extracted zip file location and click on it
- It will take some time for the gradle to build
- Once gradle build is finished, connect your android device through usb and choose your device name ( make sure you have enabled the developer options in your mobile )
- Click run icon
- Now the application will run in your android device