

# Anti-Driver Distraction Detection and Warning System

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Most of the countries have a leading safety concern regarding driver safety as most deaths are caused due to vehicle accidents. 80% of these accidents are due to driver faults and two of the most common driver faults are sleepy driving or drowsy driving and use of the mobile phone while driving. This is a major issue among truck drivers who have to cover long distances and have to transport goods over large areas within a short period of time, which will cause them to drive long hours in sleepy and fatigued status. This paper proposes a solution to this problem where the aid of a mobile app can be used to limit the use of the mobile phone when a driver is driving and also to reduce distraction by automatically turning off phone calls and notification alerts. Furthermore, the app will also be able to turn off the device screen if the mobile is attempted to be used while the vehicle is being driven. Furthermore, using OpenCV with the aid of a camera, the driver's eyes can be tracked to check if their attention is on the road and also furthermore to check if the driver is sleepy or not by checking the driver's eye-blinking rate.

**Keywords:** Eye Tracking, Driver Aid, OpenCV, Image