

## **A REAL TIME SYSTEM FOR DETECTING DROWSINESS OF DRIVER**

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### **ABSTRACT**

According to National Highway Traffic Safety Administration [NHTSA], Drowsiness/sleepiness of driver is one of the major causes of road accidents. It would, therefore, be both cost and safety beneficial if a drowsiness detection system could be developed. This paper describes a real-time non-intrusive method for detecting drowsiness of driver. It uses webcam to acquire video images of the driver. Visual features like mouth & eyes which are typically characterizing the drowsiness of the driver are extracted with the help of image processing techniques to detect drowsiness. A study about the performance of this proposal & some results are presented.

**KEYWORDS:** Image Capturing, Digital Image Processing, Drowsiness Detection