

PROJECT REPORT ON
DROWSY DETECTOR

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ABSTRACT

This project is basically designed for preventing drowsiness during driving. It requires a method for accurately detecting a decline in driver alertness and a method for alerting and refreshing the driver. As a detection method, we have developed a system that uses image processing technology to analyze images of the driver's face taken with a video camera. Diminished alertness is detected on the basis of the degree to which the driver's eyes are open or closed. This detection system provides a non contact technique for judging various levels of driver alertness and facilitates early detection of a decline in alertness during driving.

The project provides the driver with several interrupts to alert him by several alerting techniques like alarm indication, vibrating etc. It also includes a remote indication to the required place for driver status indication which also includes an LCD module as notice board. So we can conclude that driver fatigue identification, alerting provision and remote indication is done here.