**ABSTRACT**

**Driver Sleepiness Detection for Preventing Road Accidents**

Our safety is the first priority while travelling or driving. One mistake of the driver can lead to severe physical injuries, deaths and significant economic losses. There are various reasons especially human errors which gives rises to the road accidents. Reports say that there is a huge increment in the road accidents in our country since last few years. The main reason occurring from the highway accidents is the drowsiness and sleepiness of driver while driving. It is a necessary step to come with an efficient technique to detect drowsiness as soon as driver feels sleepy. This could save large number of accidents to occur.

“**Driver Sleepiness Detection for Preventing Road Accidents**” aim to prevent road accidents while sleepiness of driver while driving. It is based on Image Processing technique.

The driver’s face is continuously recorded using a video camera. The main objective is to first design a system to detect driver’s drowsiness based on eye. It check whether eye is blinking continually or not. If it blink continually , the system provide an alert sound to the driver. This system prevent road accidents due to driver sleepiness.