IOT BASED ANTI SLEEP ALARM FOR DRIVERS

ABSTRACT

Driver fatigue is one of the major causes of accidents in the world. Drowsiness is a transient state between consciousness and sleep. Detecting the drowsiness of the driver is one of the surest ways of measuring driver fatigue. In this project we aim to develop a prototype drowsiness detection system. This system works by monitoring the eyes of the driver and sounding an alarm when driver is drowsy which alerts the driver and the passengers. The system so designed is a non-intrusive real-time monitoring system. The priority is on improving the safety of the driver without being obtrusive. In this project the eye blink of the driver is detected. We will use a monitoring system based on eyelid movement that will work in unison with a microcontroller to check against certain voltage parameters that will determine if the driver is considered asleep. The proposed system may be evaluated for the effect of drowsiness warning under various operation conditions. We are trying to obtain the experimental results, which will propose the expert system, to work out effectively for increasing safety in driving.

Guide

Ms. K.S. Niraja

Assistant Professor

Team – 8

P.Mrunalini (19WH1A1206)

G.Raajitha (19WH1A1210)

P.Tejaswini (19WH1A1211)

R. Teja Sri (19WH1A1237)