IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 2, March 2024

Arduino Based Accident Prevention System using Eye Blink Sensor

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Abstract: *The Drowsiness is the main cause for major accidents which leads to the injuries, deaths and damages. To overcome this problem, we propose a system which uses various sensors. These sensors are used to detect the driver. The buzzer is used to alert the driver whenever the driver feels drowsy. With the help of this system, the major road accidents can be reduced by alerting the driver. Nowadays most of the products of driver anti-sleep detection sold in the market are simply earphone making intermittent noises, which is quite annoying and inefficient. As such, there is a high demand for cheap and efficient driver sleep detection. Therefore, we came up with an idea and successfully developed a sleepy detection and alarming system, which could effectively meet this demand.*

Keywords: Drowsiness Alert, Accident Prevention, Eye Blink Sensing, Arduino Uno

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