

Accident Avoidance and Alert System

Harsh Gaikwad¹, Raj Chavan², Rohit Dangare³, Aniruddha Bhandare⁴, Yashwant Vaswade⁵

Students, Department of Electrical Engineering^{1,2,3,4}

Faculty, Department of Electrical Engineering⁵

harshgaikwadicom@gmail.com¹, rajchavan2722003@gmail.com², rdangare05@gmail.com³,

aniruddhabhandare1865@gmail.com⁴, vaswadeyogesh86@gmail.com⁵

Sharad Institute of Technology, Polytechnic Yadrav, Maharashtra, India

Abstract: *Accidents are the main threat in today's modern world. All though the technological development in automobiles increases day by day, there are no proper advancements in the perspective of accident avoidance and detection. This system avoids accidents due to collisions occurring between the vehicles because of the driver's negligence. In case of any accidents, there is smart rescue system in the vehicle which helps in sending the location of accident spot to the family members. So, the proposed system is designed for vehicle which will not only prevent the accidents but will also look over the safety of the driver. It is used to analyze the cause of vehicular accidents and prevent the loss of life and property arising from vehicle accidents. The system also involves the improvement of the security by preventing the damage of the car. This system records the relevant details about a vehicle such as detect vibration of the vehicle, detect orientation or inclination of vehicle. Automatic parking or stop lighting and go charging station in.*

Keywords: Car Accidents, GPS System, Accelerometer, Global System for Mobile Communication, Automatic Accident Detection, Arduino UNO.

REFERENCES

- [1]. "Intelligent Automatic Vehicle Accident Detection System Using Wireless Communication", IJRSET vol.1, NOV 2014, A.Rajkiran, M. Anusha, pp.98-101.
- [2]. Automatic Speed Control and Accident Avoidance Of vehicle using Multi Sensors Conference Paper • July 2014, Dr. S. Nagakishore Bhavanam University College of Engineering & Technology, Acharya Nagarjuna University, Guntur
- [3]. Smart Accident Notification and Collision Avoidance System Anupriya1, Assistant Professor/Dept. of ECESri Ramakrishna Engineering College Coimbatore, Tamilnadu, India