Alcohol and Smoke Detection Based Vehicle Ignition Controlling

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ABSTRACT:

Road safety is a major concern around the world. In India the deaths by road accidents are increasing rapidly. This is mainly due to consumption of alcohol and smoking while driving. Traffic police are trying their level best by checking vehicle driver for any traces of alcohol by using breath analyser. But it is not efficient and not used by every police. So we developed Alcohol and Smoke detection based vehicle controlling system .This system is aimed at making vehicle driving safer . We have the driver's condition inside the car by detecting alcohol using alcohol detector and detecting smoke using smoke sensor connected to Arduino . The range of alcohol sensor will be of 2 meters and we will fix a certain permissible amount of smoke(because of external distubances) . when the alcohol or high level smoke is detected from the driver, the vehicle will turn off. The GPS module will capture the location of the vehicle. The GSM module will send message with location to police or family members. This device can be really efficient and bring a change in indian road safety.

KEYWORDS:- Alcohol detection system, Smoke detection system Vehicle controlling system, Accident prevention system, GSM, GPS, Arduino.