SMART SAFETY VEHICLE USING ARDUINO

Submitted by

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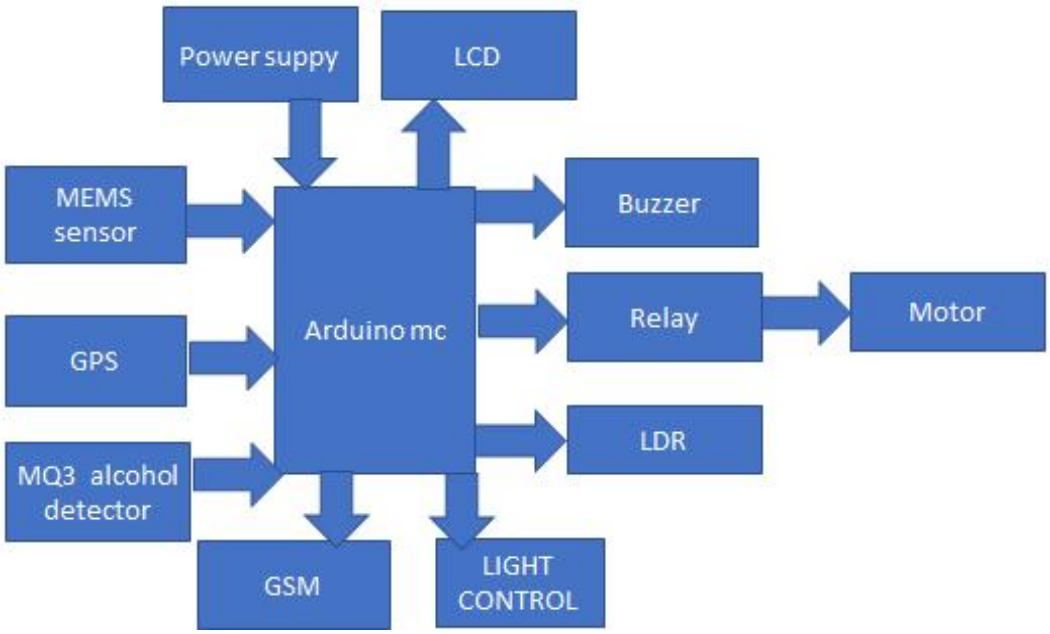
ABSTRACT:

According to this project when a vehicle meets with an accident, this device will immediately detect the signal or if a car rolls over, and the Micro Electro Mechanical System (MEMS) sensor will detects the signal and sends it to arduino controller. Micro Controller sends the alert message through the GSM MODEM including the location to police control room or a rescue team. So the police can immediately trace the location through the GPS MODEM, after receiving the information. Then after conforming the location necessary action will be taken. The main aim of this project is to develop a system automatic speed control of vehicle and accident avoidance using MQ3 Gas (alcohol) sensor. The vehicle is not started if the driver is consuming alcohol. Using LDR the headlight (LED) intensity has been controlled using ON/OFF Switch. When speed is crossing the limit the alarm will be on and it turns off automatically by sensing the speed.

BLOCK DIAGRAM:



FLOW CHART: