Smart Honking Zone with Speed Detector

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Abstract*: This project has an aim to control the horn volume in cities and also in restricted area as such schools, parks, hospitals, old age homes, college, government offices and in speed limited areas etc. Some peoples are driving vehicles in a high speed and create noise of horn of vehicle. So the police are not able to monitor all those things. Driver does control the speed of vehicle at places. This paper provides a way for how to control the speed of vehicle and control the noise of horn without harming others. This project has an aim to control noise of horn automatically. The speed of any vehicles will be detected using accelerometer if the speed of vehicle is exceed in honking zone then the buzzer can buzz and get alert to driver about . cities and also in restricted area as such schools, parks, hospitals, old age homes, college, government offices and in speed limited areas etc. Nowadays in a fast moving world all the peoples are not have self-control. controls are taken automatically by the use of electronic system. In this project we use GPS for indicating the nearby honking zone. Speed is measured by the help of accelerometer in the vehicle. The controller compares the speed. If it exceeds the limited speed the pizzobuzzer buzz and alerts the driver and controls taken automatically by driver and when vehicle is near at honking zone the switch can automatically decrease the volume of horn if it on. In this way our smart honking zone for smart cities project will be perform.*

Keywords: Java, Admin, Invigilator, Co-ordinator, Web Application**.**

REFERENCES

[1]. AmiyaKumarTripathy,SejalChopra,SamanthaBosco,SrinidhiShetty,FirdosSayyed-Travolution-"AnEmbeddedSystemin Passenger Car for RoadSafety".

[2]. RajeshwariMadli,SantoshHebbar,PraveenrajPattar,andVaraprasadGolla,"AutomaticDetectionandNotification ofPotholes and Humps on Roads to AidDrivers".

[3]. S.S.Rode,S.Vijay,P.Goyal,P.Kulkarni,andK.Arya,"Potholedetectionandwarningsystem:Infrastructuresupporta nd system design".

[4]. F. Orhan and P. E. Eren, "Road hazard detection and sharing with multimodal sensor analysis on smartphones".

[5]. Z.Zhang,X.Ai,C.K.Chan,andN.Dahnoun,"Anefficientalgorithmforpotholedetectionusingstereovision".Cuneyt Gurcan Akçora, Matthew F. Dixon, Yulia R. Gel, Murat Kantarciolu 'Blockchain data analytics'

[6]. R. Bajwa, R. Rajagopal, P. Varaiya,and R. Kavaler, "In-Pavement Wireless Sensor Network for Vehicle Classification".

[7]. F. Li and P. Xiong, "Practical secure communication for integrating wireless sensor networks into the Internet ofThings".

[8]. A.CarulloandM.Parvis,"Anultrasonicsensorfordistancemeasurementinautomotiveapplications".

[9]. P. More, S. Surendran, S. Mahajan, and S. K. Dubey, "Potholes and pitfallsspotter".

[10]. K.Chen,M.Lu,X. Fan,M.Wei,and J.Wu,"Roadconditionmonitoringusingon-boardthree-axis accelerometer and GPS sensor".

[11]. R.Sundar,S.Hebbar,andV.Golla,"Implementingintelligenttrafficcontrolsystemforcongestioncontrol,ambulance clearance, and stolen vehicle detection".