SPEED SECTOR TO DETECT RASH DRIVING BY USING RASPBERRY PI AND ULTRASONIC SENSORS

A Project report submitted in partial fulfillment of
the requirements for the award of degree of

BACHELOR OF TECHNOLOGY
IN
ELECTRONICS AND COMMUNICATION ENGINEERING

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DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Accredited by NAAC, Approved by A.I.C.T.E, Affiliated to J.N.T.U. KAKINADA)
TAMARAM(P.O), MAKAVARAPALEM(M.O), NARSIPATNAM(R.D)
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2016-2020

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CERTIFICATE

This is to certify that the project entitled "SPEED SECTOR TO DETECT RASH DRIVING BY USING RASPBERRY PI AND ULTRASONIC SENSORS " in partial fulfillment for the degree of Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY VISAKHAPATNAM is an bonafied work carried out by B. USHA (16811A0408), S. ROHINI (16811A0460), S.MANEENDRA (16811A0458), P.VIJAY BABU(16811A0451) under the guidance and supervision during 2016-2020.

PROJECT GUIDE

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ABSTRACT

Now-a-days rash driving is very common and that lead to the road accidents. We read in newspapers that daily atleast one case will definitely be there about road accidents, the main reason for road accidents is over speed. Our project is to make a smart system which can detect the speed of vehicle and take a snap and send to traffic police department.

In this project we are using 3 ultrasonic sensors, camera and raspberry pi. Sensors are used to detect or recognise the object. These three ultrasonic sensors to catch every lane of the road and putting a camera behind it. Any vehicle on any lane is running with more than the allowed speed then it will simply catch a picture of the vehicle and note down the lane number and send it to the traffic department over mail. In this manner we can send them the E-challana and hence the cases of rash driving can be decreased.