Android based Traffic Rules Violation Detection System “Vehitrack”

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Abstract

The main objective of the project is to detect the traffic rule violator on road by means of sensor, RFID reader and RFID tag technology and capture image by means of camera. The system will control the traffic density of the specific location. The project will also focus on mobile application which will help to know information about the vehicle tracked by sensor on road. This mobile app will maintain the database related to image as proof and RFID Tag number such as name, address, license number, photo, mobile number, their bank account number and also the list of previous rules broken with image as proof, date and time and fine paid by vehicle owner. This all data about the vehicle will display on smart phone of traffic police. This application will automatically receive the fine from the owner bank account and send the message to their mobile application or number about the rules and their fine. If same vehicle found to be encountered again and again then a specific action could be done.

References

Index Terms

Computer Science Information Systems

Keywords

RFID Tag, RFID Reader, IR Sensor, Camera and Android Application