

NFC/RFID Based Smart Vehicle Surveillance System with Corruption Avoidance



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ABSTRACT

In India, the corruption is done in all the fields, majorly by politicians and traffic polices. We cannot say all polices are involved in corruption, but most of them are involved in corruption. Corruptions done by the politicians cannot be avoided by the common people because of their power and influences.

By using RFID based smart vehicle communication with corruption avoidance system, it is possible to avoid the corruption done by the traffic police. As knowing that if our vehicle documents like driving license, RC book and insurance copy of vehicle are up to date, but sometimes because of some reason we forget the documents elsewhere and in results we have to pay the penalty. The corrupted traffic polices will make use of this opportunity and collect excess of money from the public.

It is an advanced system for automation and corruption avoidance. Here the system is designed to record the timing and also the details like owner's name, date of registration, vehicle's model etc. This system basically consists of a set of ID chips (set of transmitters and receivers), decoder, code analyzer, interfacing and a PC with customized software module.

This system is a step towards improving the monitoring of vehicles travelling in predetermined routes. Here, this computerized system automatically identifies to approaching vehicles and records the vehicle number and time and if the vehicle belongs to the authorized person or group.