

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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A PROJECT REPORT ON
“RFID BASED VEHICLE TRACKING SYSTEM”

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BACHELOR OF ENGINEERING

in

INFORMATION SCIENCE & ENGINEERING

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ABSTRACT

Vehicle Identification System is a microcontroller based project. Through this system we are automating the checking procedure of the vehicle at the checking center located at different places.

In this system all the vehicles will be provided with a universal identification code, through which it could be easily identified. An electronic machine, Radio Frequency transmitter is incorporated in the vehicle, and it will be stored with the corresponding universal code. Another machine Radio Frequency Receiver will be installed in the checking port, which is able to decode the universal code of the vehicle when it passes near the checking center. A display panel or computer will display all the details of the vehicle. If the vehicle lack in the payments such as insurance, tax and smoke certificate validity, the expiry dates relating to the vehicle like insurance, tax, smoke certificate validity will be displayed and which enables the police to check vehicle details and the payments can be easily proceed through this system. This system can update the details after the payments.

This system is mainly designed for RTO and it is user friendly also. The users are given with a variety of choices and he can choose any of the options according to his needs. The administrators and staffs can use the facilities provided in this system to handle the various operations related to updating the database with ease.

This system which enables the RTO Officers to check vehicle details without enquiring or wasting time of the passengers and the appropriate payments can be made easily.