**M.S.RAMAIAH INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**(Autonomous Institute, Affiliated to VTU)**

**FINAL YEAR PROJECT**

**VIII Semester**

**VEHICLE INSURANCE DETECTION SYSTEM**

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**VEHICLE INSURANCE DETECTION SYSTEM**

**INTRODUCTION:**

Problems regarding insurance in today`s world are insurance fraud, insurance lapse, renewal, detecting lost vehicles, false claim. These are becoming serious problems and effective detection for these types of problems has always been a complex task for professionals. The detection of automobile insurance fraud, insurance lapse using traditional auditing procedures is difficult or sometimes an impossible task. The auditors usually lack the required knowledge concerning the characteristics of insurance problems. Traditional auditing procedures are also insufficient to such tasks. These limitations suggest the need for tools to the effective detection of falsified claims.

**PROBLEM STATEMENT:**

To develop a system which identifies insurance lapse by the vehicle owner and helps vehicle owners to maintain the vehicle insurance up-to-date by sending notifications regarding renewal of insurance.

**DESCRIPTION:**

We are using the RFID Hand free card that can be stuck anywhere within the vehicle and receivers for each tollgate. The Unique Identification of each vehicle is embedded onto the RFID tag. The RFID tag is powered up and transmits the unique id to the receiver when any vehicle passes near the receiver. The receiver receives the unique id from RFID and sends it to the access controller. The access controllers include all the details such as manufacturing date, validity period of insurance etc of all the vehicles. The data which is stored in access controller is matched with the detected data. If the respected owner is failed to update the insurance, the controller will send the notification to the owner regarding the renewal.

**REQUIREMENTS**

**Hardware Requirements:**

* Microcontroller RL78
* LCD
* GPRS
* GPS
* RFID READER
* RFID TAG

**Software Requirements:**

* Cube suite+
* Renesus flash programmer
* Embedded C
* Eclipse
* Amazon cloud service

**ADVANTAGES**

* It saves time.
* Manual operation has been reduced to major extent.
* Less man power required.
* Efficient distribution system.
* Easy to use.
* Efficient and reliable.
* Saves time for searching lost vehicles.
* Easiest way of vehicle record maintenance.