PROJECT REPORT

On

"AUTOMATIC VEHICLE AUTHENTICATION DETECTION SYSTEM"

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

N.S Athmiya (4AI09EC046)

Praveen N (4AI09EC068)

Priyanka K. Jain (4AI09EC069)

Renuka Prasad C. N (4AI09EC078)

Project Guide

Mr. H.K Chandrashekar B.E.,M.E, LMISTE

Assoc. Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Adichunchanagiri Institute of Technology
(Affiliated to Visvesvaraya Technological University)
CHIKMAGALUR-577102

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ABSTRACT

"AUTOMATIC VEHICLE AUTHENTICATION DETECTION SYSTEM"is a system which aims at detecting the authorization of the vehicle and the driver automatically .i.e, in this system we incorporate the automatic verification of the authorization documents of vehicle and driver such as driving license, Insurance of the vehicle, emission test etc using microcontroller, zigbee, RFID and such electronic equipments In addition to this, we have also implemented the recovery of stolen vehicles in a simpler and efficient manner than the existing one. Examining whether the vehicle driver is alcoholic and preventing him from driving the vehicle is another facet of the project. Permitting only authorized users to access the vehicle is another noteworthy feature of this project. We provide an automatic approach to meet the above mentioned objectives and features.

Keywords: RFID reader, wigand output, serial communication, authorised access, alcohol sensor, drunk driver detection, zigbee, authentication parameters, checkpost side PC, RTO Central database, fault detection, vehicle control unit, penalty collection, vehicle start.