

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA CAMPUS, BELGAVI-590018



PROJECT REPORT

On

“IoT-Based Framework for Automobile Theft Detection and Driver Identification”

Submitted by

NAME	USN
Chandra Shreyas P	4AL14IS014
Kirthy P	4AL14IS021
Pavan R	4AL14IS031
Spoorthi P N	4AL14IS040

In partial fulfilment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE AND ENGINEERING

Under the Guidance of

Ms. Kaveri B Kari

Assistant Professor



**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Moodbidri-574225, Karnataka

2017-18

ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to Certify that the project entitled "IoT-Based Framework for Automobile Theft Detection and Driver Identification" has been successfully completed by

NAME	USN
Chandra Shreyas P	4AL14IS014
Kirthy P	4AL14IS021
Pavan R	4AL14IS031
Spoorthi P N	4AL14IS040

The bonafide students of Department of Information Science & Engineering, Alva's Institute of Engineering and Technology in partial fulfilment for the award of BACHELOR OF ENGINEERING in DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2017-2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.


Ms. Kaveri B Kari

Project Guide


Mr. JAYANTKUMAR A. RATHOD

Head of the Department
Department of Information Science & Engineering
Alva's Institute of Engineering & Technology
Mijar, MOODBIDRI - 574 225


Dr. PETER FERNANDES

Principal
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

Name of the Examiners

Signature with Date

1.

2.

ABSTRACT

An efficient automotive security system is implemented for anti-theft using an embedded system occupied with a Global Positioning System (GPS) and a Global System for Mobile (GSM). The client interacts through the system with vehicles and determines their current locations and status using Google Earth. The user can track the position of targeted vehicle on Google Earth. Using GPS locator, the target current location is determined and sent, along with various parameters received by vehicle's data port, via Short Message Service (SMS) through GSM networks to a GSM modem that is connected to PC or laptop. To secure the vehicle, the owner can turn off any vehicle of the fleet if any intruders try to run.

The proposed security system is designed to track and monitor vehicles that are used by certain party for particular purposes, also to stop the vehicle if stolen and to track it online for retrieval, the proposed system is an integration of several modern embedded and communication technologies. To provide location and time information anywhere on Earth, the Global Positioning System (GPS) is commonly used as a space-based global navigation satellite system. The location information provided by GPS systems can be visualized using Google Earth.