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A Proposed System Paper on Stolen Vehicle System for Smart City

Shah Sufiyan Shabbir[1], Shaikh Asim Banemiya[2], Dr J.N. Shinde
[1, 2]*Student, AAEMF & COE BHIMA SPPU, Pune,*
[3]*Principal of AAEMF & COE, SPPU, Pune*

Abstract: It is basically a tracking system used by owner or third party. We are using GPS and GSM Module. GPS is used for correct position of vehicle. GSM is used for transmission of vehicle position to owner of vehicle. Now a days a thief ratio is increased to high so there is necessary to make some security system properly. So we are thief to make high security system. The poor people cannot suffer from these problems. In our system we are able to track the vehicle location by using GPS system.

I. INTRODUCTION

A vehicle tracking system based on an electronic device implemented on the vehicle now a days the GPS and GSM system are used all over the world our project is the combination of both these are very useful for finding the accurate location of the system. These provides the high security for the vehicle our project provide high security to the system.

The customer and owner's satisfaction is established. The friendly relationship will be done between them it provide us the high efficiency and safety. It increased productivity of the system. It reduced driving time of the customer it is also used to reduce the average speed of the vehicle.

The thief ratio will be reduced to large now we have to high security problem. The security means high probability of the ratio our system provide satisfy to the customer. The customer satisfaction will be done the loss of the money and vehicle will be reducing thought our project the customer and owner both will be satisfies.

We are using advanced feature as will RFID tag and RFID reader will be used the RFID tag will scrap to the RFID reader. It will give the proper information of the vehicle. If any emergency case appear than our project will be very useful if emergency vehicle such as ambulance, police van etc.

Advantages include productivity, reduced during time and increased time spent with customer and customer aspects. It removed the fuel efficiency and also reduced the average speed of the vehicle productivity can be increased with the help of better budgeting of a time and resources.

II. LITERATURE SURVEY

A. Smart Vehicle Tracking System

The shipping industry is the based up vehicle tracking system. The vehicle tracking system provide the exact location of the can determine the present location of the vehicle it is based on the micro controller for interfacing. It is combination of software and hardware so micro controller is interfacing with the GSM modem is used to find the location of the vehicle. The LCD is used to display the information.

B. A. Anti – theft protection of vehicle by gsm and gps with fingerprint verification

To provide outstanding security for vehicle from burglary due to burglary case increased to large amount a secure utilization of framework of GSM and GPS is necessary .The real aim is to prevent from theft.

We can easily trace the location of vehicle using Google map with the help automobile repossessing we can delivered the massage in format that will deactivate the automobile and retrieve the automobile.

C. A. Vehicle tracking system using GPS – GSM technology

Available microcontroller ATMEGA 2560 has an Aduino mega 2560 an it consist of digital output and print out of which 16 are analog input, 14 are PWM output, 16 Mhz

PIC16F72 microcontroller used it is 8 bit controller with various feature is to overcomes 8051 controller has it does not have A to D converter. A vehicle tracking system using GPS and GSM technology is design for vehicle theft system and tracking system. The SIM card which is registered receive message of location and display it on LCD according to user requirement.

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D. A. Smart vehicle with GSM alert system

It used for simulation and PC design. It mainly work by receiving message from user cell phone and we can track the vehicle and command is use to send SMS the location send inform of longitude and latitude position.

Once the owner sends the SMS the engine will stop through GSM system and vehicle will stop this is the basic concept of proteus7 which is multi tool simulation of project.

III. CONCLUSION OF LITERATURE SURVEY

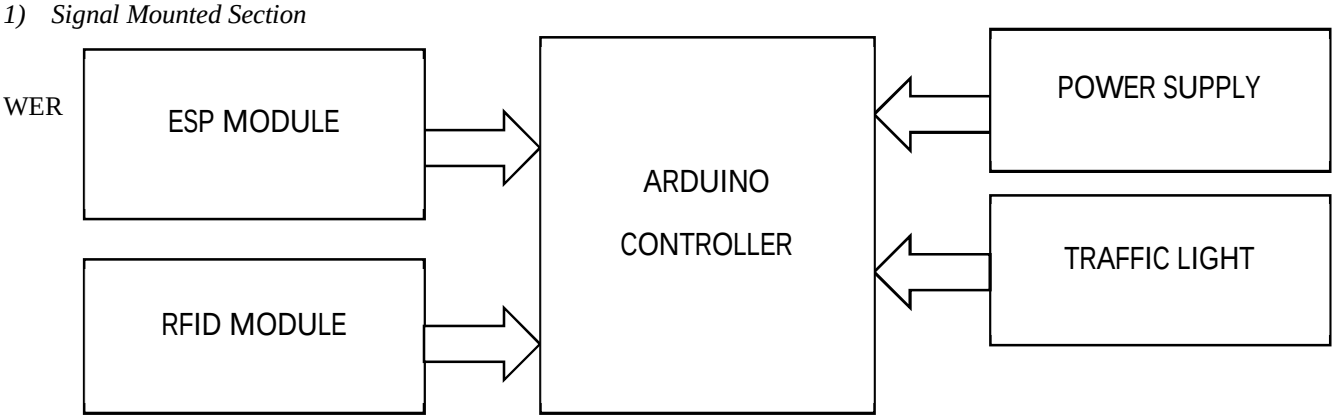
Objective of the system is to help the poor person and increase the abilities and benefits and the system made with different kind of microcontroller and combination of software and hardware is used. With study we find that all system Possess some drawbacks and some of the system having cost high. It is used to increase the efficiency of the system. It provides the high security.

IV. PROPOSED SYSTEM

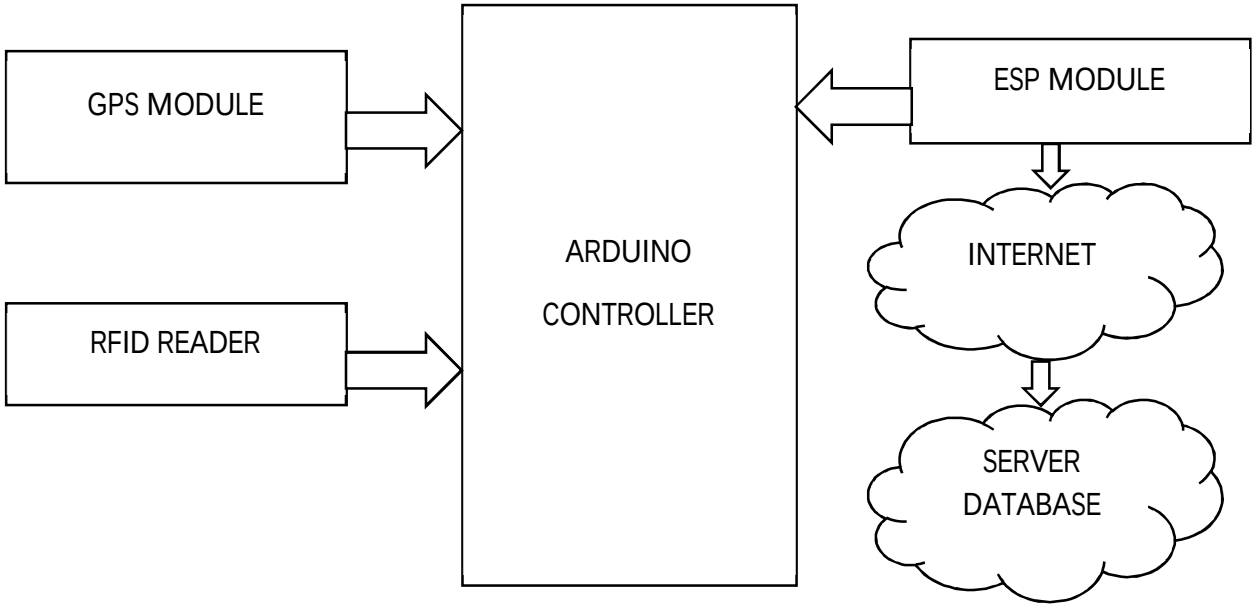
The proposed system is a distributed the owner and the customer. That consists of server, Arduino, Google map, RFID reader, RFID tag. The Arduino Uno R3 development board, with Wi-Fi modem which the card swap. Tracking System can be accessed from the web Arduino or any local computer using GSM and GPS technology is selected to be the network infrastructure that connects server and the system. Arduino is chosen to improve system security (by using secure Wi-Fi connection), and to increase system mobility and scalability. The system provides high security of the system.

A. Block Diagram Of Proposed System

1) Signal Mounted Section



2) Vehicle Mounted Section



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3) Proposed System Requirement

The proposed home automation system has the capabilities to control the following components are used as follow.

a) Hardware

i) Arduino Uno
ii) GSM module
iii) RFID Tag
iv) RFID Reader
v) ESP Module
vi) Power supply
vii) Mobile phone

b) Software

i) Aurdino IDE
ii) Google map
iii) Web application

4) Expected Result: The system is to provide the control of safety of the vehicle by tacking system with using Arduino due to using of GSM and GPS module. The cost of the system is get reduces and uses various kind of safety to provide appropriate information which is used for application like vehicle safety for smart city. Motion detection using GPS to authorized person.

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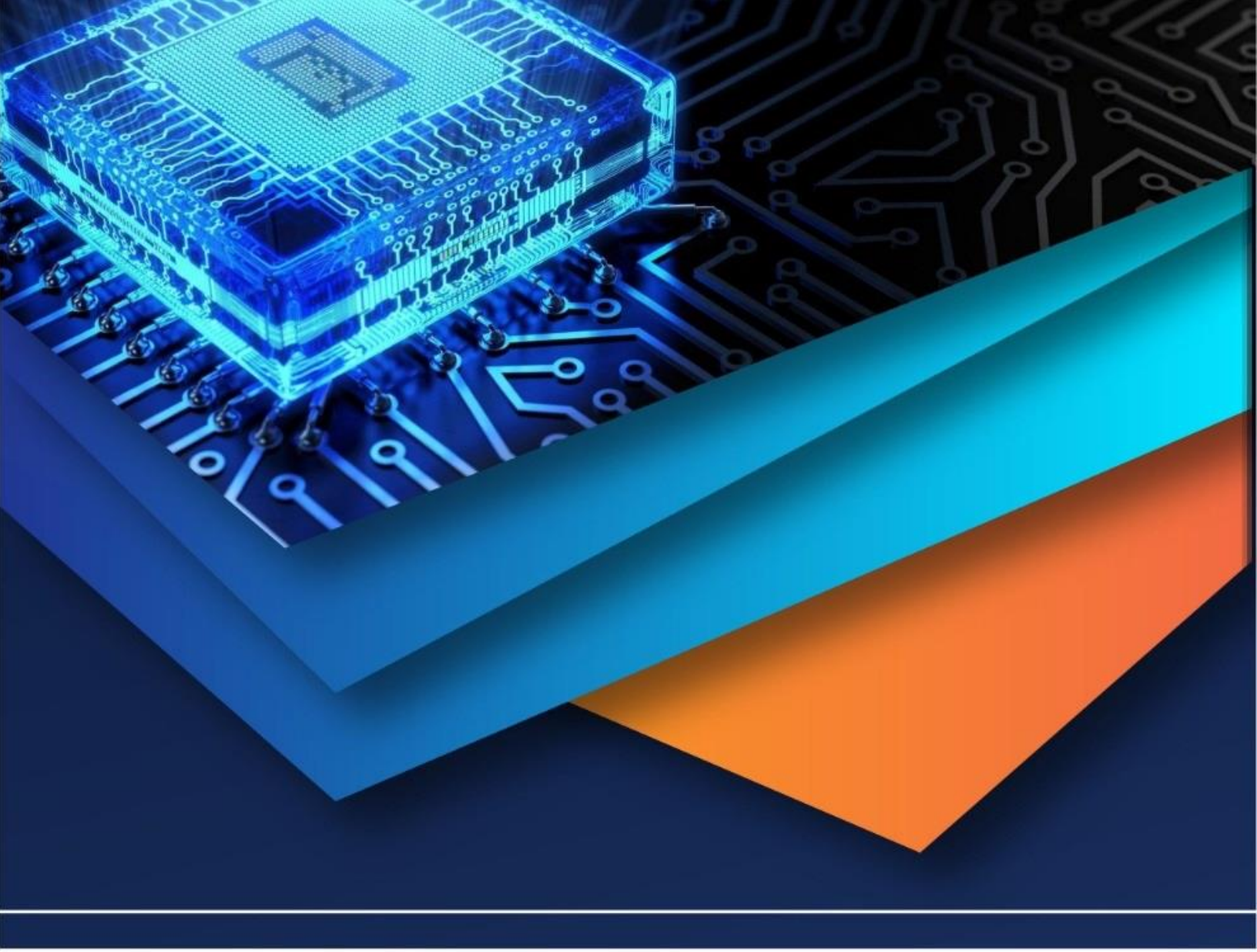

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