

Vehicle Tracking And Control System In Mobile Using GPS

S. Thirumalaivasan¹, A. Janakiraman²

^{1,2}Dept of Electronics and Communication Engineering

^{1,2}Easwari Engineering College (Autonomous)

Abstract- The abstract of this project were to develop a cost-effective, marketable solution to provide consumers with the ability to determine the location of their vehicle in the event of a loss or theft, so that the vehicle could easily be located and return. A vehicle tracking system is an electronic device installed in a vehicle to enable the owner or a third party to track the vehicle's location. This design will continuously monitor a moving Vehicle and report the status of the Vehicle on demand.

Keywords- Provides more security, Route monitoring, Low cost, Easy to install and Easy to operate.

I. INTRODUCTION

The safety of private and public vehicles is a major concern nowadays so having GPS vehicle tracking system ensure their safety while travelling. This GPS vehicle tracking system can be found in consumers vehicles as a theft prevention and retrieval device. Generally this system is meant to be installed for the four wheeler but for country like India where majority of the people using two wheeler, here is the cheapest source of an GPS tracking system. Vehicle tracking systems are also popular in consumer vehicles as a theft prevention and retrieval device. We can simply follow the signal emitted by the tracking system and locate the stolen vehicle.

II. IDENTIFY, RESEARCH AND COLLECT IDEA

It's the foremost preliminary step for "UAV - Based traffic analysis: a universal guiding framework based on literature survey", published by elsevier, techniques used for GPS modem & inference used to detect the latitude and longitude of the particular position. The "Vehicle tracker using GPS and GSM", published by international journal of trend in scientific research and development, techniques used for GSM modem & this is used for transmitting data.

- 1) UAV - Based traffic analysis: a universal guiding framework based on literature survey.
- 2) Vehicle tracker using GPS and GSM.

III. PROPOSED METHODOLOGY STUDIES AND FINDINGS

Now it is the time to articulate the research It is proposed to design an embedded system which is used for tracking and positioning of any vehicle by using Global Positioning System (GPS) and Global system for mobile communication (GSM).

a) GPS Modem:

GPS abbreviates global positioning system and this is used to detect the latitude and longitude of the particular position and it also shows the exact time.

In our project it plays main role and it is the main source of the latitude and longitude of the vehicle to know the accident occurred location, or even for theft tracking of the vehicle. This device is the main component of our project.

b) GSM-Modem:

GSM abbreviates global system for mobile communication, this is a second generation (2G) mobile network.

This GSM device consists of sim slot in which a sim can be inserted which has a unique number, this unique number is used for contact. In our project the device is used for transmitting data.

c) Micro-controller:

89C52 is an 8-bit micro-controller and belongs to Atmel's 8051 family. It has 8kb of flash programmable and erasable read only memory (PEROM).

IV. GET PEERREVIEWED

Here comes the most crucial step for your research publication. Ensure the drafted journal is critically reviewed by your peers or any subject matter experts. Always try to get

maximum review comments even if you are well confident about your paper.

V. CONCLUSION

In the future we may integrate other related devices in a vehicle such as sensors. The sensors installed in our vehicle can report the vehicle information to our server and it can form an intelligent tracking system. There are various reasons why car owners and public vehicle operators prefer to have a GPS. You can determine your location, whether you are travelling locally or in a foreign land, having a GPS is truly an advantage. If you think you are lost, you can use your GPS receiver to know your exact location

VI. APPENDIX

Appendixes, if needed, appear before the acknowledgment.

VII. ACKNOWLEDGMENT

The preferred spelling of the word acknowledgment in American English word without any grammar mistake agreed and acknowledgments.

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