

Theft Vehicle Tracing Over Google Maps

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Abstract- Worldwide Positioning Systems (GPS) are being utilized for a wide assortment of uses. This paper predominantly centers on building up an improvement of GPS based vehicle route framework utilizing Google Maps. Presently a day, one of the fundamental issues as for open transport is administration of transports. Their administration includes a great deal of issues to the experts. In addition, while managing the administration of open transport, one ought to likewise remember the cost of task. This paper gives a conceivable, productive and minimal effort answer for the above issue. This framework is serves to find the courses in which transports are voyaging and showing the present position of vehicle on a showed outline that it helps to control the vehicle in following the transport convenient and numerous applications like speed screen, robbery screen and so on.

Keywords- Google maps, GPS, wi-fi module, relay.

I. INTRODUCTION

Presently days, one of the principle issues concerning open transport is administration of transports. Transports are the principle methods for transport. Their administration includes a great deal of issues to the experts. To keep away from this, one of the conceivable arrangements is given here. In addition, while managing with the administration of open transport, one ought to likewise remember the cost of task. This paper gives a conceivable, proficient and ease answer for the above issue.

In this paper, Google maps are used to identify the exact position or location of the vehicle. Then the detected location is send to the android mobile application via internet. Owner of the vehicle can able to see the location of vehicle and can control the vehicle using Smartphone android application.

II. IDENTIFY, RESEARCH AND COLLECT IDEA

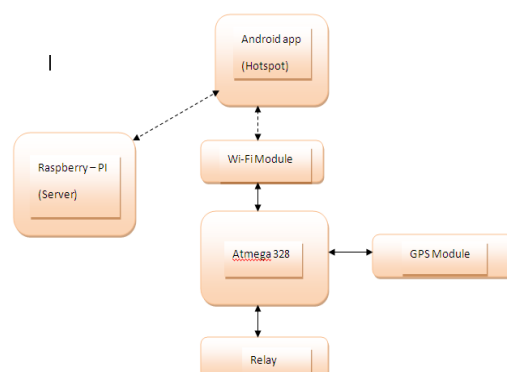
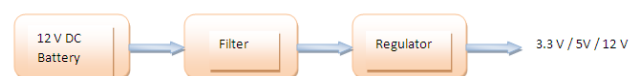
Advanced mobile phones utilize distinctive highlights to get the area of the telephone. One of these highlights is the GPS. The GPS utilizes satellites to get the correct area of the telephone as far as longitude and scope.

III. WRITE DOWN YOUR STUDIES AND FINDINGS

The advanced cell uses this coordination and utilizes them to demonstrate the telephone's area in a guide application. What's more, exceptional portable applications have been created with different capacities of exploring. Following vehicles has dependably been an issue for enormous organizations managing transport vehicles or load vehicles. A GPS beacon is confounded, costly what's more, the advances utilized as a part of it are hoarded by their sellers. An open source innovation with area based administrations and free guide API is expected to build up a following framework for different vehicles at the same time with low costs.

IV. PROPOSED SYSTEM

In the proposed system majorly used components are Raspberry PI, android application, Wi- Fi module, ATMEGA 328 , GPS module and relay. These components are interconnected with each other as shown in fig. 2. The fig.1. Shows the power supply circuitry which takes 12 V DC as an input from Battery source then filter it to remove ripples from input. Voltage regulator is used to convert the input 12 V DC into 3.3 V, 5 V and 12 V.

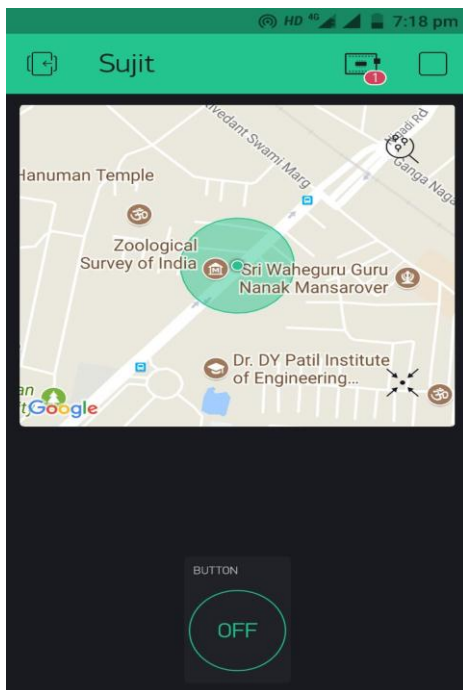


the Raspberry Pi is used to create server and this Raspberry Pi is connected to android application by using wifi - hotspot. The Blynk app is used as an android application which have ability to configure the GUI as per our project requirements. GPS is used to find the exact location of the vehicle and the co ordinates of the detected location is send to Blynk app through internet.

Then by using the buttons on the GUI we can control vehicle as soon as the location is detected. The relay module is fitted on the vehicle so using buttons on the GUI it is possible to stop our vehicle through internet in real time system.

V. RESULT AND DISCUSSION

Shows the result of the proposed system which indicates the vehicle exact location in google maps on the Blynk application. We have one switch on the GUI of the Blynk app to operate that relay which is used to turn off the vehicle and for turn on the vehicle. As soon as the location of the vehicle is detected , owner of the vehicle can able to stop the vehicle by only pressing the switch on. Using switch in we can operate that relay via internet.



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VI. CONCLUSION

we have proposed the system which is operating on internet. By using GPS it is capable to track the location of the vehicle which is continuously displayed on the Blynk GUI. By using button which is available on GUI owner can stop their vehicle at detected location in real time.

VII. ACKNOWLEDGMENT

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