

Benchmark for Tracking Smartphone using GPS System

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Abstract - This project aims to find stolen or lost phone with the help of mobile number and GPS location. When the application is installed it will work in background. This application stores the unique user id & password, Phone Number, alternative phone number, Email id, phones current location. When phone is stolen or loss user will simply send text message to stolen phone number using backup number further instantly user get the actual location of the device which are track by the background running application. We also can send this text message from the website if any case this app doesn't available in backup number user's mobile, with the help of these information we can easily find out phone & the person who has stolen the smart phone.

IndexTerms - GPS, user id, password, backup number.

I. INTRODUCTION

Smart phone is a device which offers advanced technologies with functionality similar as a personal computer. The used of smart phone is increasing now a days. The main possibility of smart phone is getting stolen and is doesn't have a chance to get back, this problem can be overcome by using this application and have a chance to get back your smart phone. The thief can erase a lot of data from stolen mobile phone. This application is also providing a security from erasing a data of your mobile. [1] Smart phone are the best digital devices of present which provides what a human needs. Today everyone has a smart phone instead of having a simple phone which provides features of not only doing calls or text messages but also having a smart phone is beneficial by which we can do our office work on MS Office, can check our mails any time anywhere and there are a lot of many more things that we can do at a single touch. The human can take a more precaution to steal a mobile from thief. With the growing speed of technological advancement, smart phones have become the essential components of our daily performance. These smart phones today and upcoming days can do almost everything. Faster networking systems, attractive and most powerful applications and the technology literate users are making these smart phones very powerful. GPS tracking and GPS locator are essential in smart phone for finding a location and tracking a smart phone by using this application.[2]GPS follow this activity in a background of this application. Mobile phone has lots of personal information. If the phone is stolen then there is possibility of misuse of this information. There may be any personal or financial problems that can be happen. So finding stolen mobile phone is very important issue. There are some technology and technique available. Using that we can find out the stolen phone. But for that process we need authentication and some times which is not possible. In India if the phone is stolen or loss then finding that phone becomes very complicated process. We need to report in police station and follow a lengthy procedure. So to make this process easy and comfortable, we have developed an android application with user id and password which is link by phone number.

In this application we can find the smart phone by the help of mobile phone number which will link by the mobile tracking app, which is a 10 digit phone number and user id and password that is used to identify the actual location of the phone. This application uses the technology like SMS (Short Message Services) through using it we can send GET SMS to the stolen phone number and it quickly reply the text message with current location of the phone, means location track by the stolen phone. It gives the exact and accurate current location about the smart phone. If the SIM will get changed then the location will be sent to email id or the alternative mobile number of the user which is given by user at the time of sign up that is registration of the account.

II. OBJECTIVE

The main aim of this project is to finding a stolen mobile by using this application; the main objective is as following

- Mobile tracking application helps you control and operate your mobile remotely either from our website or by sending SMS to your device from any other device in which application already installed.
- Whenever your device get stealing or missing, using this application we can find out current location of it.
- In this ongoing project, we are developing an android application and web page named Mobile Tracking Application. It will have own database to maintain the database of user account.
- Suppose your device get theft, instantly you can get current location of your device and thief by sending a SMS "GET" through our web account.
- Get SIM change notification SMS. You will receive a SIM change notification SMS to a pre-configured backup number. We will going to create a bug in application which will automatically turn on mobile data and GPS on getting SMS "TURN ON" through our web account.

All you need to do is follow these steps

1. Install the app in your mobile
2. Register by providing an email ID, your mobile number, backup number and PIN (accountpassword).
3. Login <http://www.mobiletrackingapplication.com/> providing the same email ID and PIN.
4. That's it. Now your mobile is now ready to be tracked remotely.

III. LITERATURE SURVEY

As we have said above, this application will show user the real time location of the android mobile on the Google map by using GPS (Global Positioning System). There are many applications of mobile tracking in market. But in those applications, there are so many drawbacks like suppose thief will remove SIM card form device or mobile data, GPS and Wi-Fi is turn off. And thief will not allow to get it turn on. To overcome all this drawback we have added some new features in our application.

Compliance with Google Policy

In order to perform with Google Policy, whenever a command is sent from the website to the mobile and a notification will be displayed in the notification bar of the mobile. This notification cannot be disabled. [3]

IV. PROPOSED SYSTEM

Android powers hundreds of thousands of mobile devices around the world. The smart phones have become attractive targets for the thief. There are a number of precautions that the users of the android phones can take to reduce the chance of their phone being stolen and to ensure that, in the event that the worst happens, the thief is unable to misuse the private data stored in the memory card. An android application that demonstrates a system which uses a regular mobile phone equipped with a GPS receptor and connected to a global system for mobile (GSM) network that takes advantage of these technologies in behalf of the user safety. The system is filled on with features like SIM card detection location fetching through GPS. All these features work on the SMS basis. So, incoming SMS format plays an important role. The android application running in the Smartphone monitors all the incoming messages. If the SMS is received in a predefined format it reads the SMS and performs the expected task.[4]

In this application, your versatile is promptly empowering the application after getting the predefined layout message from the pre-enrolled portable numbers.

V. METHODOOGY

We have developed android application which will track a smart phone location and get a location into a available zone. Below diagram shows exactly what methodology follows by our concept.

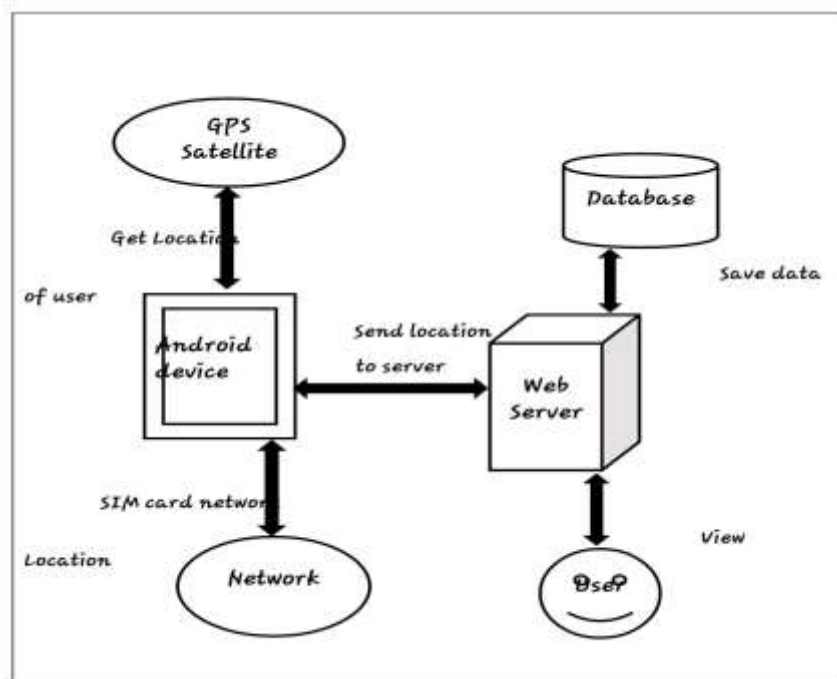


Figure: Overview of system

VI. CONCLUSION

Mobile tracking application is useful in tracing the lost mobiles. This mobile tracking system does not require any external hardware. In this project the android application for tracking the mobile phones is going to create and install in a mobile phones system. This can be found using Google maps. Now a day Android technology is rapidly gaining the market, this project provides a clear view on the development of mobile detective.

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