Multiguard Application for Android Phone

Aditi D Mahale[1], Shilpa K Mahale[2], Aakash D Bakale[3], Pooja A Polade[4], Prof M.V. Kumbharde[5]

[1,2,3,4]SND COE AND RC, Department of Computer Engineering, Yeola, India
[5]SND COE AND RC, (Guide) Prof of Department of Computer Engineering, Yeola, India

Abstract— **Our Proposed System which is an android base application, due to vast used of social media and other related activities lead today's smart phone markets. As we took this fact into consideration that people may doesn't knew that, storing information and important data may harmful to the user. As some time user may lost the phone or it may stold by someone. So we are going to create such a system in which we are carried out the checking in two way. way 1) check the Profile is either in silent: we check device based on trial and error method i.e. may phone kept nearby location either home or past visiting location also if phone is in home and ringer is off so by using our system make it on ringing mode by sending message.The message is send by alternate phone.it may either smartphone or simple phone. . 2) checks the SIM: The smart phone can be trace through the short message Services and Controlled through other device which may either smart phone or other phone .when the unauthorized user insert the SIM number into smart phone ,then application send the short message to Alternate number. The Message Convey the Longitude & Latitude of the current Location. The other Number Send the message to unauthorized SIM Number then whole data will be deleted include Call Log, Contact, images, video, audio etc. The Smart Phone send Short Message in every 10 minute of the current location. In case the smart phone does not contain any Pattern or Password for unlock we can set Password or pattern by sending a short message to smart phone. The Application is hidden & The Smart Phone can track with GPS.**

Keywords— **GPS, Smart Phone, Android Technology, Password, SIM.**

I. INTRODUCTION

Multiguard Application which will alert you when you start it. This application has registration Section where user can register them self-using their name, phone no, email id, and password. And you will get access to web application and also access to the app . If one fine day your phone gets lost then you will have to login into web application and Activate the lost phone button, then this app will take a picture first and then will send the GPS correspondent to the web application using which user can track the phone. And when user changes sim card the application will run automatically itself and its phone number if it is available otherwise sim number is send via SMS to the registered number and alternate number.

And using this web application user can track down the thief. This Web application contains login form using which user can Activate the application. And it also allows user to view the location and image of the thief.

II. RELATED WORK

Priyanka B. Kate. [1] "Remote access & control of mobile phone using SMS" is an android application which is developed to perform various tasks on your phone from any other simple phone via simple SMS, and control your android phone remotely using SMS. A.Mondal.[2] Smartphones bringing together connectivity and a diverse collection of hardware and software-based functionality. Anuradha Sharma.[3] Using simple SMS commands so you can ring your Android Device even if it is in silent mode and thus locate your device locally. Prof. Jayvant H. Devare.[11] While accessing the data on web, the data security is provided by encryption. For encryption the AES algorithm is used. Prof. Avinash C Taskar.[10] The new Android application has also been developed in recent years for 'Call Monitoring' module. This application can maintain the count of SMS, the history of received call, dialed call and missed call up to a maximum duration of 3 months. Mahfuzulhoq Chowdhury,Ahmed Imteaj.[7] 'Remote Phone Controller' can overtake these kind of situations. The user can access his smartphone's data at any time & the application can provide all the important data or information to the user at a glance.

III. PROPOSED SYSTEM

This System consist various blocks satellite, GCM System, GCM/GPS Location, web server. The Application is hidden So theft is un-non about the background Process. The Application Required Minimum Two Phones, One Is Smart phone & one any other Phone. 1When the smart phone is lost/stole firstly user checks for profile in case the cell is switch to silent mode & user would not able to find the cell phone.so user can firing the query through the SMS to smart phone & changes to General.

Then also user would not able to find the cell phone, User assure that the cell phone is stole, user wait until the unauthorized SIM Number is inserted to the smart phone, once the SIM is inserted to the smart phone, application send the Location of smart phone in every ten Minute because each times the location changes, it will send an email to the user. by using satellite through the text massage to alternate phone. Tracing the exact location of any mobile number is possible. GPS (Global positioning system) is a great boon to anyone who has the need to navigate either great or small distances.
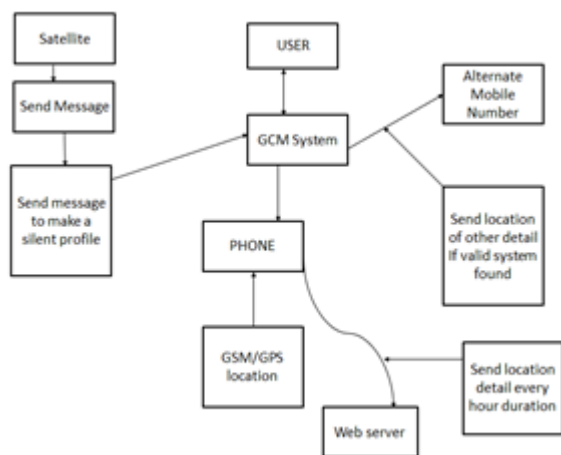

Fig: Architecture of GPS Mobile Tracking System

GPS receiver help us to navigate back to a starting point or other predetermined location without the use of maps or any other equipment. once the unauthorized SIM card is insert to the smart phone, Call Log, by sending massage to unauthorized SIM the multimedia data can be deleted.

IV. ALGORITHM

Correlation And Regression Algorithm:

This Algorithm indicates whether Statistical relationship exists between the variables X and Y. X and Y both are axis.

The Formulas used are:-

Regression of Y on X

$$byx = \frac{n \sum xy - \sum x \sum y}{n \sum x^2 - (\sum x)^2}$$

Regression of X on Y

$$bxy = \frac{n \sum xy - \sum x \sum y}{n \sum y^2 - (\sum y)^2}$$

V. CONCLUSION

Our System presents Multiguarded approach towards the android phones ,which deploys an enterprise security solution that meets users immediate and lengthy term requirements by providing the images and videos of the thief, which makes easy for the user to identify the thief and make him/her get caught and arrested. We are enhancing this application by providing the information about the location of the android based smartphone with the help of text messages. With the onset of time, technology is evolving every day. Our application will further be developed and revised. Currently this application is available for android based mobile phones. Future work involves development of the application for iOS, Symbian, Windows Mobile OS etc.

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