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ijirset@gmail.com



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# Android Phone Theft Security with GPS Tracking

Prof Kishor Shivathaya<sup>1</sup>, Varsha Shetty K<sup>2</sup>, Seeta Raikar<sup>3</sup>, Rakshitha Bhandary<sup>4</sup>, Ranjan Biddappa I A<sup>5</sup>

Assistant Professor, Department of Computer Science and Engineering, Canara Engineering College,

Karnataka, India<sup>1</sup>

U.G. Student, Department of Computer Science and Engineering, Canara Engineering College,

Karnataka, India<sup>2,3,4,5</sup>

**ABSTRACT:** Lots of Applications are developed to track a smart phone but Still it is a major concern user has to manually report to customer care to block the lost mobile IMEI number. so that , Android application is deployed with initial registration of alternative mobile numbers. An Application Which id deployed in mobile can be able to track the location of the device. If the mobile is lost and if the robber changes the SIM card , Immediately the location details are send to the alternative numbers of the original user. In this Paper both the logic of tracking Theft phone with SIM card and Theft phone with changed SIM card tracked continuously. The registered mobile number can get SMS alert from the theft mobile.

**KEYWORDS:** Android, Smart phone, GPS.

## INTRODUCTION

Android Phone Theft Security with GPS Tracking system is an application that allows the user to track their lost phone through GPS tracking. Phones are the most important means of communication gadgets in today's fast-growing world. But the mobile phone thefts are increasing day by day. The purpose behind developing this application is to provide user to track their lost or misplaced device. A simple SMS from alternative mobile number will help user to receive phones GPS location information on alternative number mobile as URL. The needs of proposed system is when the phone is misplaced and one can't be able to locate it and this application can also be used when phone is stolen. In this system we can track mobile by using SMS send to alternative Number.

## II. LITERATURE SURVEY

[1]Mr.Kandzil Swapnil j, Mr.Sayyad Akbar H, The purpose behind using this system is to provide user to track their misplaced or lost mobile. The simple message from friend mobile will make user phone to ring even it is in silent mode and if it is in reachable area. Some time users lost their mobile in that time it sends email to user about the location of device. This system uses new technology multimedia messages and camera functioning.

[2]Yonghonh Lou, Jian Wang, Chea Feng, In This paper backstage Monitor technology is used to achieve remote SMS management function of android mobile phone Anti theft System, adds Software parameter protection module Self-Startup module and SMS encryption Module On The Basis of original Mobile Phone security Software To Enhance its functionality The experimental result shows that the System is Designed reasonably and Effectively.

[3]B.Srilekha, Dr.v.Dhankoti, In this Paper Mobile Anti theft deploy an enterprise security Solution that meets user immediate and long term requirement by Providing message and location via email and SMS. Which makes users to find the theft and to make him/her to caught and arrested. This enhances the application by providing the location of device through SMS.

[4]Shwetha Dhanu, Afsana Shaikh, Shwetha Barshe, This paper is aims to develop a Anti Theft mobile application by using MMS instead of SMS. This System includes latest technology MMS where you can send photos and videos . It sends the photos snapshots and video of theft which helps user to identify theft and also location of the user is sent through text message to alternative number.

[5] Prof.Kishore N Shedge, Dyaneshwar C.Dhatrak, Kanchan S.Ugale, Asmith P.Walimbe, Anil S.Khade, This paper presents an Anti theft Application which provides location and also photos of theft to user to their alternative numbers and email id. This paper uses new technology like MMS.

### III. METHODOLOGY

The main components of this System are user registration, SMS and location tracking.

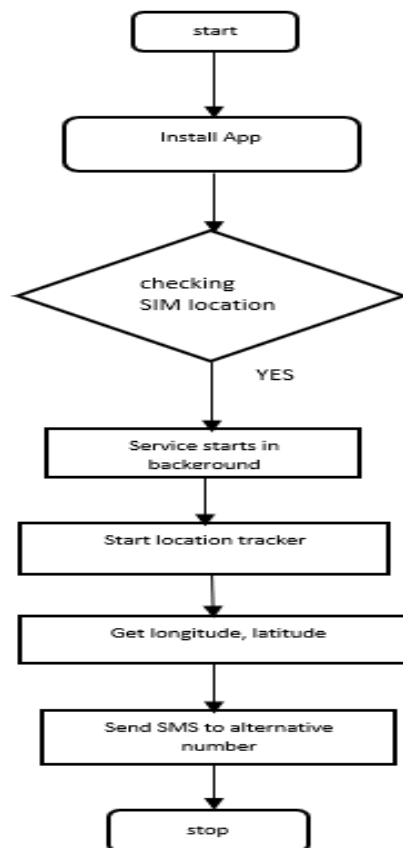


Fig 1: System Flow Chart

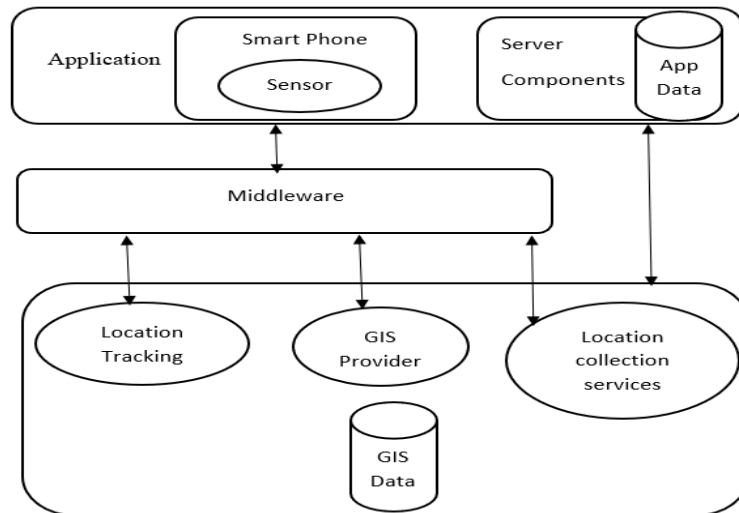
When user install this application in the device it is required to register the alternative number. The application in the device start running and checks for the sim location. The SMS module in the software will send SMS to the alternative number regarding the location of the user device.

Lost Mobile: A text message from the lost mobile will be send to an alternative number of original user if mobile is stolen.

GPS:A simple text message from alternative number mobile will help user to receive his mobile GPS location information on alternative number mobile as URL.

SMS: This application provides the information of lost mobile by sending a SMS to lost mobile.

And use can also manage, battery, ringer and lock of mobile phone.



**Fig 2: Location Service Diagram**

**Application Layer:** This layer consists of smart phone Component, which has Number of Sensors and Potentially Server component that includes application specific data

**Middleware Layer:** This Layer wraps access to location-based service features to provide consistent interface to location-based service application.

**Data Service Layer:** In this layer location trace of individual is stored. This represents the fundamental component in next generation location-based services as it contains the data that allows user to be determined and potentially protected.

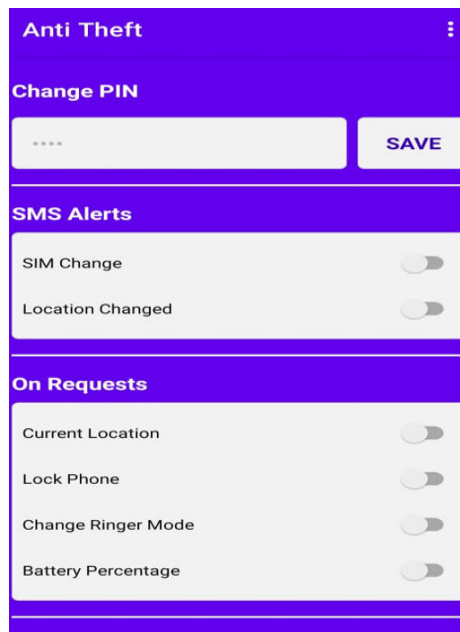
#### IV. RESULT&ANALYSIS

The Final Project will result in providing user facility to track their lost or stolen device using the alternative numbers. user install this application the user needs to register with this application by giving current mobile number and password. After that user can enter the details and alternative by login to the application. Details of users saved in application and daily three SMS send to user alternative number regarding the details of the user device. If the mobile is stolen or lost by using the SMS sent to user alternative number, he/she is able to track the location of the device.

Figure 3 shows the Registration page where user can register with application with mobile number and password

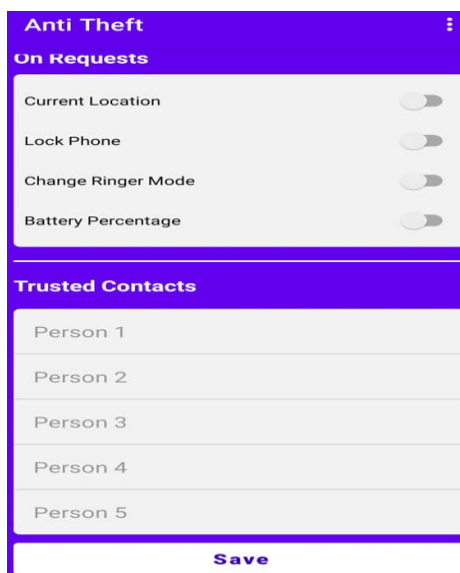
**Figure 3: Registration Page**

Figure 4 Shows that the user required to register the details with application



**Figure 4: Enter details Page**

Figure 4 shows the registration of the alternative numbers which can be used to track location of the device.



**Figure4: Enter Mobile number page**



Figure 5 Shows the details about the location traced by using GPS.

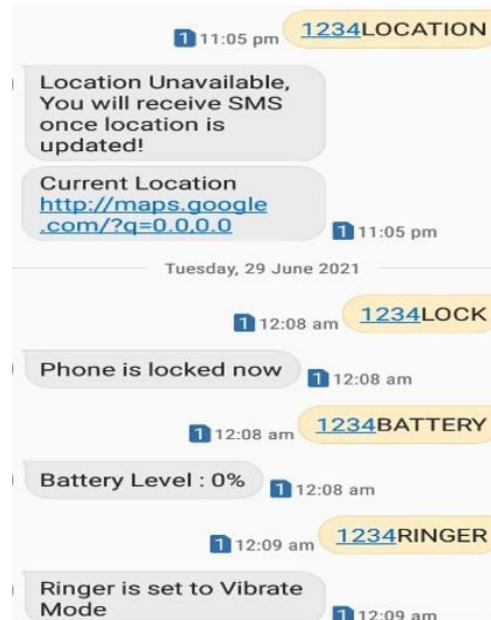


Fig 5: location details Page

## V. CONCLUSIONS

This is an Android application used to track lost or misplaced device, this is a unique efficient application which has a variety of features that enhance the current mobile tracking system. We are using the technology of sending an SMS to an alternative number which will provide certain ease in tracking the mobile phone. Currently, this application works on the Android operating system. In the future, we are trying to make this application for iOS and Windows mobile OS and also trying to use email ID and MMS technology to track theft.

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