Abstract

Background/Objectives: Nowadays, the usage of Android mobile is increasing day by day. In this paper a new application is proposed called Tracking Theft Mobile Application (TTM) to identify the theft mobile. Methods/Statistical Analysis: TTM app is developed in Android platform. The usage of TTM App is that it will send the automatic message, current location of theft mobile phone and automatic captured image of the person who had stolen our mobile phone to the contact number which already registered in TTM app when installing it in user’s mobile. Findings: Android has been recommended for the developers because of its simplicity in working. Our new proposed App is a Tracking Theft Mobile (TTM). Can find our mobile phone without the help of the police or higher officials. Can find the correct person by receiving his image. Can locate the person by receiving the message as well as location details. Application/Improvements: Comparing to existing method the accuracy is improved in proposed method.

Keywords: Android, Automatic Message, Accuracy, Simplicity, TTM

1. Introduction

World is contracting with the growth of mobile phone technology. For all the things, a human need a mobile phone too. At the meantime, the mobile device is also either lost or get stolen. This paper generating a new proposal to solve your problems which you are facing day to day life. “Tracking Theft Mobile (TTM)” is an application that works on Android platform. When mobile device is either lost or stolen, the person who had steal mobile will restart our mobile once again by inserting the new SIM card. While inserting new SIM card, this TTM app will send the default message like “Hello I Am Using Ur App” to the contact number which already saved in phone memory. Also it sends the current location of the thief via Global Positioning System (GPS). User have to find latitude and longitude of location in order to find location of any user.

Global Positioning System (GPS) is a technology where satellites send down radio signals. Using this technology, user can locate the exact address of the thief. There is one more additional feature in this TTM app i.e., it will also send the image of the person who had stolen our mobile by using the automatic front camera. Through this TTM app user can get the default SMS including exact location of the thief and also the image of the thief whom using it by automatic front camera. The main advantages of TTM App are can find our mobile phone without the help of the police or higher officials, can find the correct person by receiving his image and can locate the person by receiving the message as well as location details.

2. System Architecture

Figure 1 represents that when the mobile is restarted, the default text message will be sent to the particular contact number saved in the app. The text message, captured image and location through Global Positioning System (GPS) will be identified. If the message is received, the mobile can be tracked else it cannot be tracked.

2.1 Sending Default SMS

If receiving any anonymous text messages, the number will be checked by the user which was appended to the SMS
and then use an online directory to track the cell phone. This process is known as Cell Phone Reverse Tracking. Figure 2 represents Cell Phone Reverse Tracking process, used to give information about the name and address of the person using that particular cell phone. But this technique fails when the cell phone is not listed in the online directory.

Figure 3 represents the registration of application with tracking agency. The TTM application is registered with a licensed cell phone tracking agency. Some older cell phones may not be compatible with the software. But there is no problem in installing such software on newer, feature-rich cell phones.

2.2 Locating Address using GPS

GPS Address Locator is a simple and easy to use TTM application. It provides various functionality like:

- Figure 4 represents Locate and display address at your current position,
- Open Google Map at your current position,
- Open Google Street View at your current position (if available),
- Share your current location with one click.
- Allow you to search for address and display map and street view on its location,
- Give information of GPS status (if enabled) and position accuracy,
- Gives current position Latitude, Longitude, Altitude and movement speed of user.

This NO using your app

location:

Bus stand AVADI

PHOTO
Figure 5 represents the automatic capturing of image using mobile front camera when theif is operating the theft mobile.

### 3. System Requirements

#### 3.1 Hardware Requirements

Android Smart Phone

#### 3.2 Software Requirements

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**3.2.1 Eclipse-JUNO**

Eclipse-JUNO is a lightweight tools for developing, assembling, and deploying applications. Eclipse is an Integrated Development Environment (IDE). It contains a base workspace and an extensible plug-in system for customizing the environment. Eclipse is written mostly in Java and its primary use is for developing Java applications, but it may also be used to develop applications in other programming languages through the use of plugins, including C, C++, PHP are also be used to develop packages for the software Mathematica. Development environments include the Eclipse Java Development Tools (JDT) for Java and Scala, Eclipse CDT for C/C++ and Eclipse PDT for PHP, Eclipse-JUNO includes:

- Data Tools Platform
- Eclipse EGit
- Eclipse Java Development Tools
- Eclipse Java EE Developer Tools
- JavaScript Development Tools
- Mylyn Task List
- Eclipse Plug-in Development Environment
- Remote System Explorer
- Eclipse XML Editors and Tools

**3.2.2 Android SDK**

The Android SDK (Software Development Kit) is a set of development tools used to develop applications for Android platform. The Android SDK includes the following:

- Required libraries
- Debugger
- An emulator
- Relevant documentation for the Android Application Program Interfaces (APIs)
- Sample source code
- Tutorials for the Android OS

### 4. Conclusion

The existing mobile tracking application will not receive any default message when it is restarted and need to find the location through GPS, the image theif will not be shown. The proposed App is a Tracking Theft Mobile (TTM). Can find our mobile phone without the help of the police or higher officials. Can find the correct person by receiving his image. Can locate the person by receiving the message as well as location Details. Android has been recommended for the developers because of its simplicity in working. This application can further improved by using any other advanced Operating System like iOS series.
5. References


