STUDENT MONITORING SYSTEM

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Abstract—This paper describes about developing an android application for the parents who want to track their child activity using a smart phone. For such parents they keep track their children in the way how they are misusing the mobile. In this application, the parent is provided with the information about to whom their ward is speaking, sending messages and also able to know about the downloaded applications. Student Monitoring System is a monitoring tool intended for the care-taking children usage. It is composed of two units; one that is carried by the child and a second one by parent. Each unit will communicate with parent directly. Parent will understand approximately how far the child. Hence, parent can keep track children remotely. The objective of this paper was to track each and every child in 10-20 age groups, stored in the data base and can be viewed by parents through online. Frequent monitoring of children dashboards helps the parents and also helps in monitoring the children where they are and what they are doing currently. Keywords—GPRS, Android, SMS, Ward

The system which is currently existing there is no exact methods for monitoring the ward's activity in their mobile phone. And also it is a very tough and difficult job for the parents to monitor their wards. They are not able to view the call logs, message logs, applications that their wards are using and sometimes they will not be able to know the current location of their wards.

The objective is to develop an android application which can be used by parents to monitor their wards. This paper describes the working of this applications. This contains two applications: one is for installing in the parent's android mobile phone and the second one for installing in the ward's android mobile phone.

The application which is installing in the ward's mobile phone will be hidden to them and is protected by a password. This application is intended to monitor the children in the age limit of 10-20. The parents can monitor the SMS, call logs, current location, application list present in the ward's mobile phone. Also the parents get a notification when they changes the sim card.

1. INTRODUCTION

ANDROID is a 20th century operating system which provides its users with millions of applications. Android is an open source and linux based operating system for mobile devices such as smart phones and tablet computers. Android operating system was developed by the Open handset Alliance(OHA) led by Google and other companies.

2. EXISTING SYSTEM

The existing systems does not have an effective method for tracking and monitoring the activities of the wards in their mobile phone. In the existing applications the mobile phones of parents as well as wards gets connected to server by using GPRS. The ward has to be registered with server by using a password. Then the IP address of the server will be sent to the mobile

phone of the ward. There is a third party who is registering the ward's mobile phone with the server.

Here in these systems the parents came to know about the activities of their ward's by SMS which is receiving in their mobile phone. Here there are some constraints for the number of SMS, calls and call duration that can be received from a single number per day. When any of these constraints are violated, a message will be sent to the parent's mobile phone.

CONSTRAINTS	LIMITATIONS
SMS	10 SMS
Call Duration	30 min
Missed Calls	5 calls

Table 1 : Constraints Table

Here in this system each time when SMS are sent to parents mobile phones, balance will be deducted from ward's mobile phone. However the application is hidden to the ward, they will came to know about the presence of a spy application in their mobile phone due to this reason.

3. WORKING

3.1   PARENT MODULE
There is an application that should be installed in the parent's mobile phone which access the services provided by the server. This module access the server by using the internet. The parent module application is secured by a locking mechanism. After getting into the interface, the parent can add IMEI number of his/her ward and can start monitoring them.

The parents can view the details present in the ward's mobile phone such as call logs with number, time and call duration, SMS logs with number, time and content of the message, application list and also the current location of the parent and child with the distance between them. Also the parents get a notification when their wards change the simcard in their mobile

phone. The parents can add   multiple IMEI numbers and can monitor more than one child.
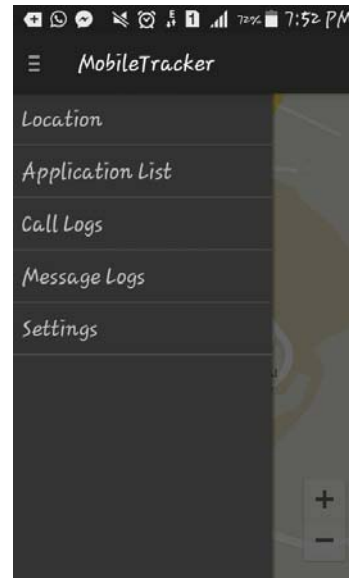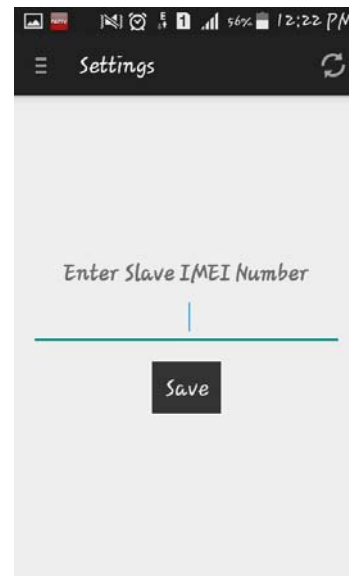

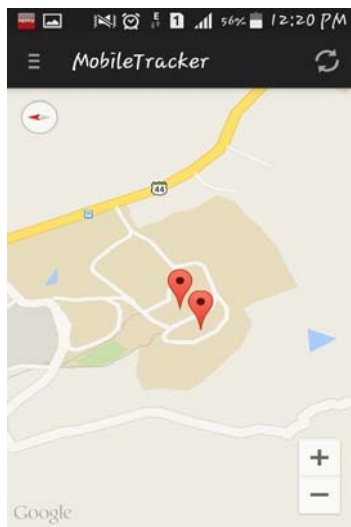Fig 1 Navigation Drawer

Fig 2 Setting IMEI

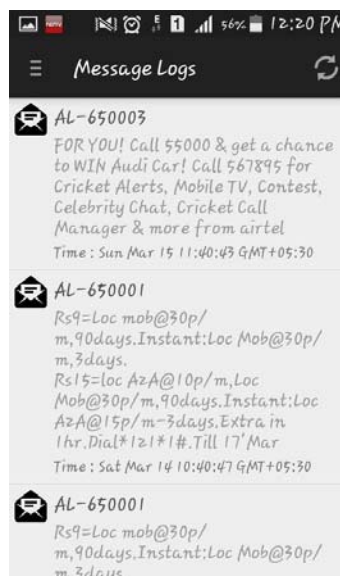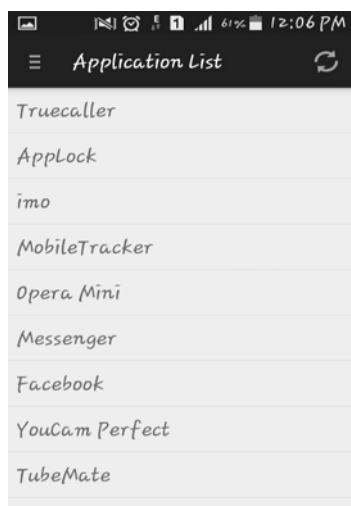Fig 3 Current Location of Parent and Ward

Fig 4 Application List

Fig 5 Call Logs

Fig 6 Message Logs
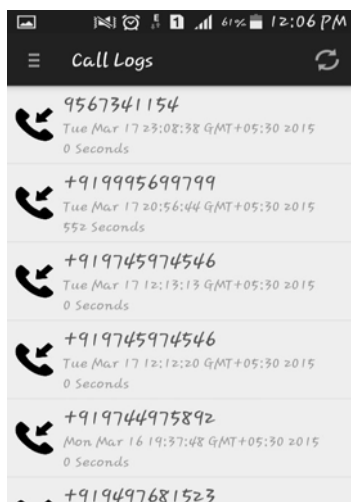
3.2 CHILD MODULE

The child module application is installed in ward's mobile phone. This application is hidden in ward's mobile phone. And also it is protected by a secret key. So the ward will not be able to uninstall the application. This application does not have an interface.

When any event such as a call or SMS receives in ward's mobile phone all the details such as SMS logs, call logs, Current location, application list etc. will be uploaded into the server.

3.3 SERVER

Server is a computer program which runs in order to satisfy the requests given by the clients. So we can say that a server performs some computations on behalf of the client.

The server that we are using for our project is an online server. The name of the server is 000webhost. The server is the main resource for the parents. All the informations like call logs, SMS logs, application list, location will be uploaded into the server. And it is from server that the parents gets the information after they log into the system.

4. CONCLUSION

We have successfully developed an android based mobile application which helps the parents to monitor the activities of their wards in their own mobile phones. We have done this project by including two different application and an online server. One of the application is used for parents and the other on for wards. The second application has no interface and it is completely hidden so they will not came to know about the existence of that application in their mobile phone. The usage of server is to upload the details form the ward's mobile phone and to provide those details when the parents requests them.

This application helps the parents to monitor their children without their knowledge. The [parents can get the call logs, SMS logs, current location, application list from the children's mobile phone and also they receive a notification when the child changes the simcard.

ACKNOWLEDGMENT

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