**Android Phone Theft Security with GPs Tracking**

**Abstract:**

Anti Theft Mobile Security is an application which will notify you when you trigger it. This application has registration module where user can register them self using their name, phone no, email id, and password. And you will get access to web application as well as app access. If one fine day your phone gets lost then you will have to login into web application and trigger the lost phone button. And then app will take a picture first and then will send the GPS co-ordinated to the web application using which user can track the phone. And when user changes sim card the application will automatically run itself and its phone no and it is not available then sim no and send it via sms to the registered no and alt number. And this using web application user can track down the thief. Web application will contain login form using which user can trigger the application. And it also allows user to view the location and image of the thief.

**Features:**

Android Application:-

* Auto start when phone is restarted.
* Sends SMS when simcard is changed.
* Sends Location constantly to the server if Theft is triggered.
* Sends Picture on start of application if Theft is triggered.

Web Application:-

* User can use same login details for web application.
* Can trigger the app to monitor the phone.
* User can view the location of thief on Google Maps.
* User can view Image of thief on the web application.

**Software Requirements:**

* Windows 7
* Microsoft SQL Server.
* Visual Studio 2010
* Android ADT

**Hardware Components:**

* Processor – i3,
* Hard Disk – 250 GB
* Memory – 2GB RAM

**Advantages:**

* You will get current location of the thief.
* You and alt no will get SMS form new SIM card if its change.
* You will get thief’s picture.

**Disadvantages:**

* Your phone should be connected to internet.

**Application:**

This system can be used by all the smart phone users to be ready for phone theft. This will not only save your phone but also saves the time and energy to set up new phone.

**Reference**

* <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6779350&newsearch=true&queryText=android%20theft>
* <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6680832&newsearch=true&queryText=android%20theft>