ACCESS ANDROID REMOTELY WITH A SMS

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ASTRACT: The idea is an android application which deals with android setting and access to kernel. By which a user can remote access an android having an application from any other mobile phone as well as command it to do a task or extract data from it. The application developed in Java-IDE and android studio rapped with security like timestamp and random code generation. The application dedicated to android as it covers up maximum market share in mobiles operating systems with broad future scope.

Index Terms - **Android, SMS, Application, System, Kernel, JAVA, IDE, Command,** *Remote*

I. INTRODUACTION

The android mobile is next to most important part of our day to day life where it contains everything, all the data from contacts to bank details, health to life style .simply, it becomes an un-attachable part of our life. But in our daily hectic life style there is situation occurs where we misplace i.e. We put our android mobile somewhere and forgot it and without a mobile everything becomes stuck. So to tackle this problem a remote access to the misplace android mobile is the way to handle it. That can by achieve by an android application which interacts with internal android kernel system and by a designing a auto SMS (Short Message Service) listener which will be use to remotely command- operate the android system settings. The android operating system is the multi utility complex thread system where each thread has assign for individual operations at the same time they interrelated to perform a specific task like sound profile contains thread general, silent, vibrate which are individual yet they work in combination like vibrate as well as general or silent. And there are many more like call logs –incoming log, miscall log etc., static details like battery percentage, IMEI number and so on.

II. CURRENT SCENARIO

The main approach adopted in practice for this is remote online access. Currently all these problems are easily tackle with the help of GOOGLE SETTINGS. One just has to login his email remotely and gets access to mobile setting and can make changes. As everyone knows Google setting is ultimate tool for android remote access. But the main drawback is that it only works if and only if the lost mobile have internet connection. So what if there is no internet connection?? 2nd scenario is mobile have internet connection but if someone logout the email .Besides that remote desktop access is bit of hectic process where as internet is mandatory.

III. OBJECTIVES

The primary objective is to create easy to use, hectic free as well as fast, reliable and convenient way to remote access to android device with authentication packed in security without an internet dependency.

IV. RELATED WORK

In [1] paper elaborates security model which is base on permissions to define security issues. In[2] This model focuses on isolation in a sandbox environment .It derivers that every application in android must executes not only in its own environment but also unable to influence or modify execution of other android application. .In [3] and [4] paper define the privacy management and handling in Android platform. Android's operating system permissions module allows android applications running on it system to call each other as an android is multithread operating system one application uses permission that was allow to another application .which generated the conflict in the privacy-aware role based access control.

V. IDEA PROTOTYPE

Considering a scenario where a person misplace or forget the mobile somewhere and wants a contact number of a person which is save on the misplace mobile or wants a recent SMS details or wants to change the profile .In simply wants to access the basic features. One just can do it by using simply with a SMS and installing an application in the mobile which is misplaced.

VI. IMPLIMANTATION

The idea is depends on android system a setting which is also called as kernel. To code and handle the kernel JAVA language is use with IDE (INTEGRATED DEVELEPMANT ENVIRONMENT)-Eclipse and ANDROID STUDIO in support to test the application.
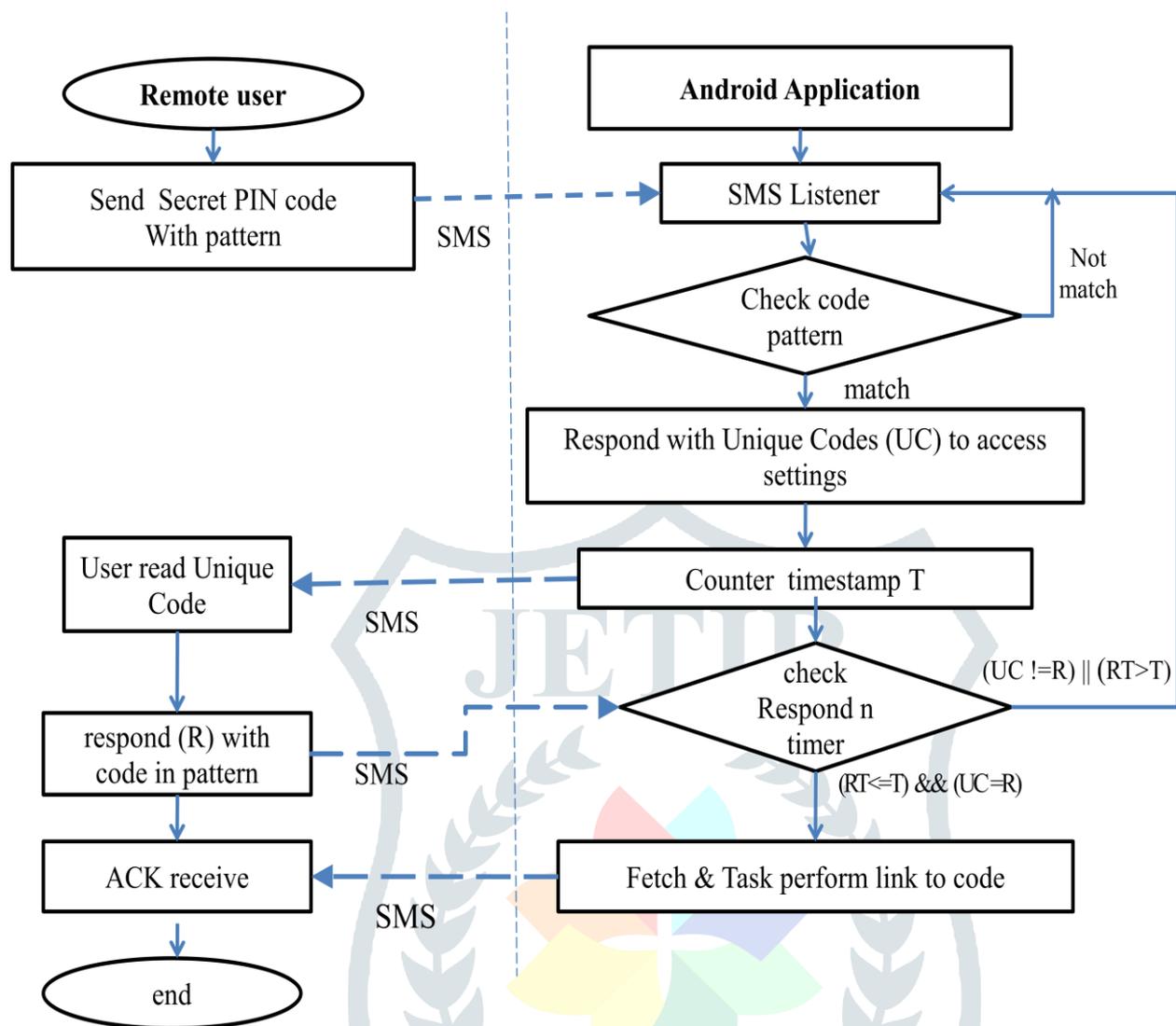
VII. CONTROL FLOW GRAPH

FIGURE 1.1- CFG OF ANDROID APPLIACTION

Control flow Graph (CFG) represents the flow of control and Data of an android application scenario with SMS.

TERM
1. Remote user: A user is person who misplaces the android mobile and wants to control it remotely.
2.Android application: Android application is dedicated design application to control internal setting of system and which is install and set in the misplace mobile.
3. SMS Listener: A piece of code which is dedicates to read all the SMS in inbox i.e. incoming as well as outgoing.
4. Secret pin: A four digit numerical code which is set by a user.
5. Unique codes (UC): Code which is generated randomly by application to control the internal system setting like SHR Silent, Cmd Recent calls, KKn IMEI etc.
6. Timestamp (T): Counter of time which is set to specific time limit in which all the operations get perform. If time set expire the control gets exits completely.
7. Respond time (RT): A time counter which indicate the time of respond from remote user.
8. Acknowledgement (ACK): A receipt for completion of task successfully.

VIII. DERIVED OUTPUT
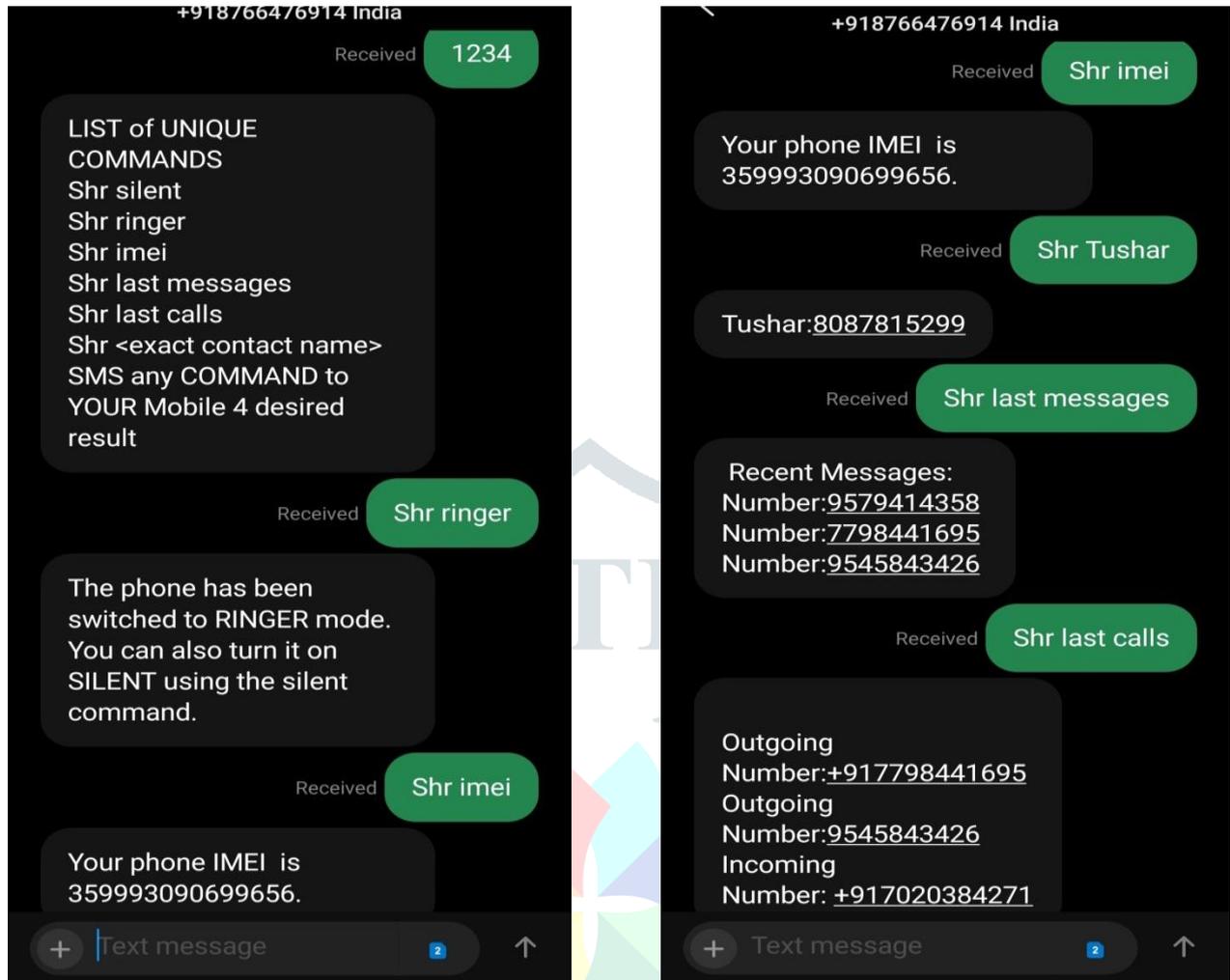
Implementation of android system setting access with a SMS is represented.

IX. KEY FEATURES

A] Secure –as timestamp and unique codes with pattern raises the security constraints.

B] Offline- as there is no need of internet connection to perform the operations.

C] Privacy- as there is no internet, it eliminate the thread of virus, worm or intruder to attack.

D] fast- as it only depends of carrier network which is available everywhere with infinite limit**.**

E] Cost efficient-as it only uses a SMS which is much cheaper than a cost of call or an internet pack.

X. CONCLUSON

The ultimate goal is to control the misplace mobile and performing remote operation is achieve successfully with the help of android application. Android application provides reliability as by simply remembering one pin, multiple operations can be performed. Application also eliminates the security thread as the code is randomly generated as well as constraint in time. Application can be broadly use without any concern.

XI. FUTURE SCOPE

As the android is open source operating system which provides the easy to explore and develop more possibilities. In future the application will be extended to all the basic and main features like turning on GPS and finding the location, turning on internet, getting static details like battery percentage and many more. Android provides a regular update which comes with more security futures which will provide more key points to raise the application security and user data privacy.

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