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# Secured Phone Mode Conversion

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T. Deepthi<sup>1</sup>; P. Siri sri<sup>2</sup>& B.Raswitha<sup>3</sup>

Student, Department of IT MLR Institute of Technology, Hyderabad, India<sup>1</sup>

Student, Department of IT MLR Institute of Technology, Hyderabad, India<sup>2</sup>

Assistant Professor, Department of IT MLR Institute of Technology, Hyderabad, India<sup>3</sup>

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**Abstract**— *the purpose of this project is to develop Profile Change application that runs on Android platform. This is the first version of its kind and is developed based on Android platform. The goal of this project is to find mobile when it is silent and forgot where it is placed. In present days in the entire world mobiles are using very rashly so the people are expecting some new technologies in mobiles as we know android is an open source. Our project name is “Secured Phone Mode Conversion”. It is an application which can convert any silent, vibrate mode into general mode. In this project we will send a Message to my mobile, it will authenticate the message and it reacts converting to the silent mode to general mode. If the message is not matched with the mobile password then it will be normal message. In this app whatever the message is sent is itself a password for the app. means in this app message online processing will be done and the output action will be performed on receiver side of mobile. In this also we can manage WIFI and schedule the message by using application.*

**Keywords:** WIFI

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## I. INTRODUCTION

In present days, usage of mobile phones has rapidly grown and the development in both the hardware and software in mobile devices is like a continues process, so the people are expecting some new technologies in mobiles. Even home appliances are controlled by the smart phones, this application helps the mobile to find fast when it is misplaced. The purpose of this paper is to develop Profile Change application that runs on Android platform and its goal is to find mobile, when it is in silent and forgotten where it is placed and even when it is in general mode in meetings. We will send a message to mobile, it will authenticate the message and it reacts in converting the silent mode to general mode and even from general to silent mode. If the message sent is matched mode conversion takes place. We will convert

one profile mode to another; hence we are having two mode conversions so that there are two secret codes, one for silent mode to general mode conversion and another for general mode to silent conversion.

Android is a Mobile operating system (OS) based on the Linux kernel and currently developed by Google. As it is an open source operating system this supports development of software for mobile phones. Mobile computing is human computer interaction by which a computer is expected to be transported during normal usage. Mobile computing involves mobile communication, mobile hardware, and mobile software. Nowadays smart phone has become a mandatory thing for any person, sometimes we face problem in finding the mobile and even home appliances are controlled by the smart phones, this application helps the



mobile to find fast when it is misplaced. This application is useful, when it is in silent and forgotten where it is placed and even when it is in general mode in meeting. Mobile security or mobile phone security has become increasingly important in mobile computing. It is of particular concern as it relates to the security of personal information now stored on the smart phone. More and more users and businesses use smart phones as communication tools but also as a means of planning and organizing their work and private life. Within companies, these technologies are causing profound changes in the organization of information systems and therefore they have become the source of new risks. Indeed, smart phones collect and compile an increasing amount of sensitive information to which access must be controlled to protect the privacy of the user and the intellectual property of the company.

## II. RELATED WORK

### A. Mobile Computing

Mobile Computing is "taking a computer and all necessary files and software out into the field". Mobile computing is any type of computing which use Internet or intranet and respective communications links, as WAN, LAN, WLAN etc. Mobile computers may form a wireless personal network or a piconet.

### B. Android:

Android is popular with technology companies which require a ready-made, low-cost and customizable operating system for high-tech devices. Android's open nature has encouraged a large community of developers and enthusiasts to use the open-source code as a foundation for community-driven projects, which add new

features for advanced users or bring Android to devices which were officially released running other operating systems.

### C. Mobile Applications:

We can see 'mobile app revolution!' in the world. We hear about the challenges of taking current resources and getting them up to speed on developing mobile. It's hard to get up to speed quickly on mobile, as new tools and frameworks are constantly emerging. Building apps faster is only one part of the mobile equation. The other key element knows how to build compelling ones.

We have gone through many android applications from all those applications mostly used applications are free smart home automation, screen recorder etc.. applications are controlled using a smartphones, These applications cannot be worked without a smartphone. When it is in silent and misplaced ,our application will help us converting the Smartphone from silent mode to general mode and we can use the other applications even.

## III. EXISTING SYSTEM

In present days in the entire world mobiles are using very rashly so the people are expecting some new technologies in mobiles as we know android is a open source. Operating system for mobile by using this we can easily develop applications that are very useful to the people. Mobile phones once they are misplaced, everybody start searching for it again and again but no use as it is misplaced ,till now in Androids there is no application developed for converting the profile modes of mobile to general mode automatically by sending an sms.

### Existing system limitations:

In the previous projects the message sent will be sent as a normal message to the other mobile .But there is no application developed to change the modes of the mobile automatically by receiving a predefined message

### IV. PROPOSED SYSTEM

The proposed solution for the above problem is our project named as “Phone Mode Conversion”. It is an application which can convert any profile mode into general mode. This application must be installed in the receiving side of the mobile. When this application is installed in mobile it automatically runs in the background always. There is no need to open the application each and every time once it is installed in any mobile it automatically runs in background until it is uninstalled from the mobile.

Here in this project we set a predefined code which is itself a password and this password must be sent in the form of message from another mobile, then my mobile after receiving that message my application authenticates it and reacts converting from any mode to general. And if the message is not matched it will be received as a normal message.

Mostly many of the people are negligence about their mobiles as the mobile will be in silent mode and forget their mobiles somewhere and

search for that again but they cannot find it, in such a case this application plays a major role in such a way that he types the predefined code like password set by (developer) and sends it from another mobile. After my mobile receiving that message the application verifies that code and if it is matched with the code set by the developer, the mode of the mobile will be changed automatically from silent mode to general mode. Then he calls to his mobile and he can hear the ringtone of his mobile and finally he finds it back. This application can be installed in an Android mobiles and the predefined message can be sent from any mobile, this is the major advantage of this application. This application can automatically run in background once it is installed until it is uninstalled.

### Proposed system with features:

In this project we are proposing a new form of messaging to get the general mode back as a delivery report. In this project we will send a Message to my mobile, it will authenticate the message and reply mode conversion If the message is not matched with the mobile password then it will be normal message.



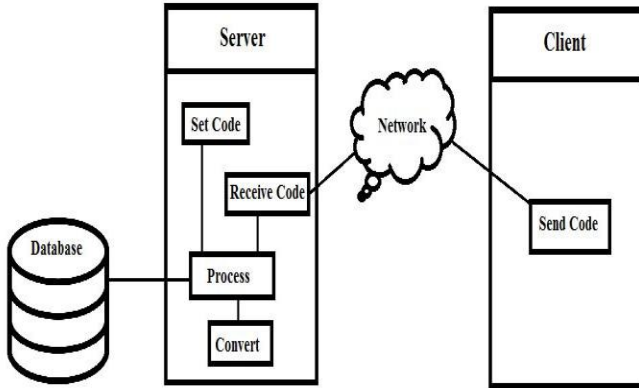


Fig 1: Mode conversion from general to silent by sending a message



Fig 2: Mode conversion from silent to general by sending a message

**A. Architecture:**

- This is the architecture design of the application.
- Here receiver will set the code and he has privilege to edit the code.
- Receiver can select clients for authentication.
- This application uses the database for storing the client's details like authentication number.
- The authorized client will send the secret code as message to receiver.
- When receiver receives the message from client then it will checks the message with the secret code that had saved.
- If the message matches with code then it will convert the mode or it will treat it as a normal message.

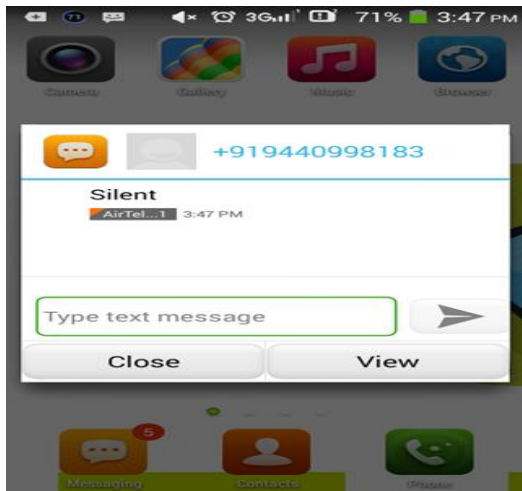
Fig 3: System Architecture

**VI. RESULTS**

This implementation is done on the server and smartphone. Implementation on the server is done using Java , while the implementation of smartphone is using Android The application is tested on Android smartphone version Lollipop



Fig. main screen



**Fig.Silent mode**

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## VII. CONCLUSION

I conclude that it is an easy way of finding the mobile when it is silent or lost with an SMS. We can also change the mode of mobile by sending proper message code. In this app we also provide schedule the message option so the user can send on demand. It also control the wifi management

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