REMOTE ACCESS AND CONTROL MOBILE PHONE USING SMS

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Abstract—Mobile phones are more popular platform preferred for accessing internet for mail accessing, online shopping, e-banking and social networking. In previous applications you need an internet for getting information from mobile but now with this application we retrieve data without an internet. If the phone is left at someplace and we want to retrieve some information from the mobile phone. In such cases remotely accessing of mobile phone is necessary. For this problem, we thought of developing an application which allows remote accessing through SMS. It includes retrieving the IMEI number of the mobile phone, accessing contact number from the phone book, changing profile settings, etc.

Keywords—Short Message Service (SMS), Remote Access, Mobile Communication, Control Commands.

I. INTRODUCTION

Smartphone’s contains data of users like call records, contacts, photos, videos, messages, and emails. Previously manufactures of all mobile phone have dedicated application to control android phones to android phones through internet. This is the biggest disadvantages of previous system. In our proposed application we remove the disadvantage of previous system. And we develop this application which works without internet or without internet we can control our android phone remotely. Our project is an android application which is developed to perform different tasks on your mobile phone from any other phone via simple SMS, and control your android phone remotely using SMS. The basic purpose of this application is, if we have forgotten our android phone at any place we can still control that phone remotely by sending an SMS.

II. BACKGROUND

Today due to advancements in the technology, our Smartphone are used for many purposes, other than calling and messaging. The other uses are use of internet, online shopping, payment of bills, etc. The Smartphone may contain large amount of private and sensitive data of Smartphone owner including but not limited to, private photos and videos, call records, chat records. Also, our Smartphone contain much useful information that we need in our day-to-day life like, contact numbers, etc. And we need to access that information to conduct our day-to-day routine without any failure. The hardware cost is reduced because of advanced technology. The common approaches of remote monitoring are Internet based monitoring. The phone depends on remote controlled smart system with different features to provide status of system and error detection capabilities and it is provided by research work.[1] Previously manufactured all mobile phones used to have dedicated software to control remote control android phone by controlling of their phones from desktops. But with this application you can now remotely control your mobile phone without internet. For all software’s previously you need an Internet access. No any application works without internet.[2]

III. OVERALL SCENARIO

“Remote access & control of mobile phone using SMS” is an android application which is developed to perform various tasks on your phone from any other simple phone via simple SMS, and control your android phone remotely using SMS. The main purpose of this application is, if we forgotten our mobile phone at any place then also you can control that phone. You can access & retrieve a lot of data from your mobile phone. If you are using an android device, then you can change the settings remotely just through an SMS. [3]

A. System Architecture

“Remote access and control of mobile phone using SMS” is an android application. It is developed to perform different tasks on your mobile phone from any other phone through SMS, and control your mobile phone remotely. The main purpose of this application is, if we forgotten our mobile phone at any place then also you can control that phone remotely. You can access & retrieve a lot of data from your mobile phone like Messages, Contact details, Call logs, IMEI number.[4]
The actual working of this application is shown in this diagram. User sends a request as a SMS to the system. System processes that request and send response in the form of command back to the user. User should choose command from the command list and response again to the system. System takes that command, performs it and sends output to the user.[5]

The command list contains following forms:

1. CMD RINGER
2. CMD IMEI
3. CMD CONTACT

1. CMD RINGER:
Send this command to mobile phone then profile of our mobile phone changes from silent to normal and vice versa.

Remote device:
Eg. CMD RINGER SILENT Mobile device send:
Profile is changed.

2. CMD IMEI:
Send this command to mobile phone then we get IMEI of our phone.
Remote device: Eg. CMD IMEI Mobile device send: 345378367868792

3. CMD CONTACT:
Send this command to mobile phone with name of person and we get contact number.
Remote device: Eg. CMD CONTACT ABC Mobile device send: ABC-9562874163

IV. TECHNOLOGY USED

Android:
Android is a smart phone operating system developed by Google. It is used by a various mobile phone manufactures including Motorola, HTC, Sony Ericsson. It is an open source operating system.

IDE used: Eclipse
ECLIPSE:
Eclipse is java –based open source platform that allows a software developer to create a customized development environment (IDE) from plug-in components built by eclipse members. Eclipse is managed and directed by the Eclipse.org consortium.

V. GOALS OF APPLICATION

This application is allows you to control your phone remotely. Also allows you to search for contact numbers stored on to your mobile phone remotely with the help of simple SMS. This application is very simple and easy to use. It does not require internet connection simply works on SMS service.
CONCLUSION

The proposed application has been implemented in android operating system. The application can be implemented in other Smartphone platforms. This Application is very useful in case, If we have forgotten, misplaced, lost our android phone. We control phone remotely through SMS and the apps reacts to that command. Whenever you forget your mobile phone at any place Send a SMS to your mobile number with the Security password to access and control your Android Device. Suppose your mobile is on normal mode and you have to change on vibrate mode then you can send the command ‘CMD HELP PASSWORD’ then that gives you reply with command list. You need to choose one command from the list and send it. Then your mobile works as per the command and gives reply.

FUTURE WORK

1. It shows information about low battery when battery is low.
2. This work can be extended to access multimedia files and other information’s remotely.

REFERENCES


[5] Remote Control of Mobile Devices in Android Platform Angel. Gonzalez Villan , Student Member, IEEE and Josep Jorba Esteve,Member, IEEE.

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