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SMS BASED REMOTE MOBILE PHONE DATA ACCESS SYSTEM

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ABSTRACT

A mobile phone to send and receive text message, with wide area, high reliability, high popularity, easy development, low expenditure and other characteristics using Short message service (SMS) technology. Using GSM module or network platform of short message, messages can be sent and received between the computer and the mobile terminal. To develop this application which works without internet we can access our android phone remotely. The remote mobile phone data access system can also be programmed to send specific SMS to predetermined number if any event. .If your mobile phone is not available at the moment and you need to call a person urgently whose contact number is not available at that instant and also their email-id. and unread SMS and missed calls from your phone.. To get that specific details .you have to go through very tedious process of calling home or where you're mobile are left and get that details etc. The proposed remote mobile phone data access system project helps to simplify this problem. Our project is an android application which is developed to perform different tasks on your android phones remotely using SMS. You have to send an SMS to your own mobile get contact with the contact name and the same process can also be done for getting an email-id, missed calls and unread SMS for your mobile phones automatically that details will be returned to the same number

***Keywords*: *Short Message Service (SMS); General Packet Radio Service (GPRS); Global Positioning Service (GPS); Multimedia Message Service (MMS); Global System for Mobile Communications (GSM); Remote control; Text message*;**

I INTRODUCTION

Remote access system is used widely and almost each domain of national economy. With the requirements and rapid development of modern network techniques for remote computer access technology are increasing day by day. With the increasingly enlarging of mobile communication network, SMS has achieved rapid development. The popular communication technologies used today are MMS, SMS, 3G and GPRS. Among these, SMS is widely use. SMS is

used for the purpose of retrieval of data & enquiry. Based on a query SMS, the result will be looked up from a mobile phone database and returned result to the sender using SMS. In our paper will discuss a solution to provide cell phone data recovery (in our case it is CONTACTS) from android mobile devices from a remote location. The system is based on Android operating system. The main reason for choosing android platform is it's free and open source nature.

II .LITERATURE SURVEY

2.1 Existing System

The new research areas for the need of the man that controlled the all electrical devices remotely, anything from the home such as an security system, air conditioner, light, set top box and so on[1]. The case of remote control possibility and the capability of achieving it at a **reasonably low cost have motivated the need to research into it is not only for industrial** application but also for home use or domestic use[2]. Home wireless security systems it is being a necessary nowadays and are becoming increasingly popular [3].The capability of controlling home appliances in a remote fashion and wireless have provided a great convenience to many
people in life.

Through wireless remote controller, people can do remote operation without directly accessing the host of a home appliance. The home appliances like television, fan, washing machines, lamp and others. The introduction of the use of hand-held mobile phones and Global System for Mobile Communication (GSM) brought the innovation of distance communication at remote location. This facility for remote control of systems and appliances; based on this, research utilizes take for instance, a man on a journey inside his car remembers that he left the Air Conditioner (AC), ON when it was supposed to be OFF[4]. The normal condition is to switch OFF and drive back or for the home security. We consider only ON and OFF operation. But with the GSM mobile phone in the hand, one looks on how the same could be used to effect control at any point and time. The existing system was developed for hardware components. The existing system is the combination of software and hardware components both. But our proposed system works for the only software components specifically it works with the data stored in our mobile phone and that we require in our day-to-day life.

2.2 PROPOSED SYSTEM

2.2.1. Normal Prospective

If you have forgotten your mobile phone at home and you need to call a person urgently whose mobile contact number is not available at that instant. To get that contact you have to go through very tedious process of calling home and ask someone to search for that contact and get that contact number etc. The proposed system project helps to simplify this problem. Contact can be retrieved using this application

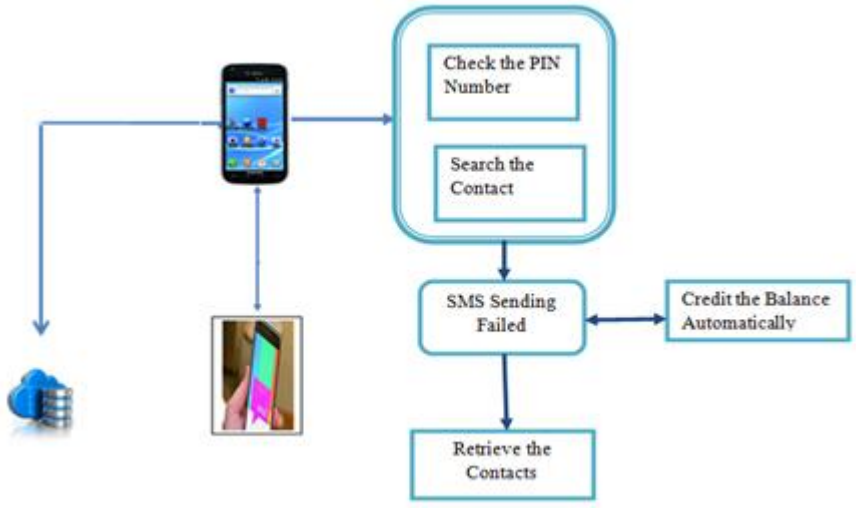
E.g.: GET CONTACT (Contact name)

The contact name which you wish to need should write the way it is saved in your contact list. If you want multiple contacts, then send the syntax along with the initial of the contact name and the application will return all the contacts starting from that contact initial. Unread SMS can be retrieved using this application.
E.g.: GET SMS

2.2.2Security Prospective

We can set a PIN number to secure the contacts from unauthorized access to be sent along with the syntax which will be known only to you. If Application will match the PIN number, the syntax and then process and will reply back. Contact can be retrieved using this application. E.g.: 1234 GET CONTACT (contact name/initial) Also unread SMS can be retrieved using this application. E.g.: 1234 GET SMS

III.ARCHITECTURE DIAGRAM



IV.DESIGN AND EXPLANATION

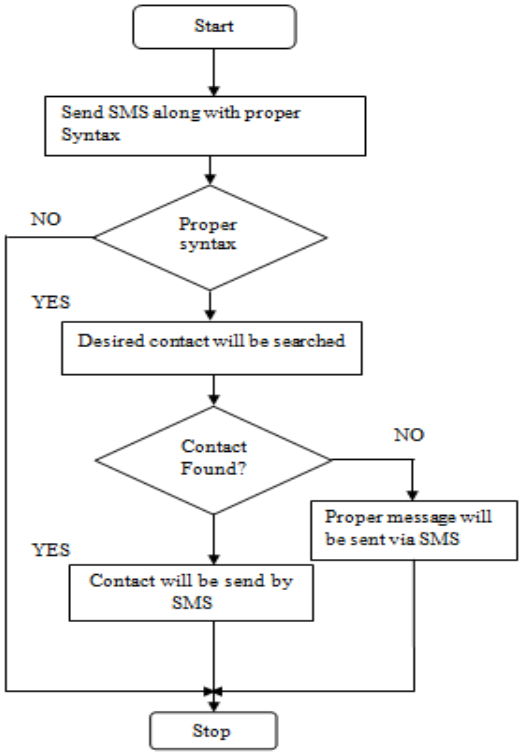
This application is simple and very easy to use and works totally on SMS service. The proposed system Split Message is another cool feature. When searching for a name, the search may return many contact names and contact numbers which won't all fit into one reply message. The application only allows you to search for contact numbers stored on your mobile phone REMOTELY with the help of a simple Text message.

4.1Technologies Used

- GSM: Global System (or Standard) for Mobile, a standardized international system for digital mobile telecommunication. Therefore in this project the GSM is the type of wireless that chooses.

- SMS: Short Message Service (SMS) is also called text or texting messaging. SMS messages or 'texts' are usually sent from one mobile phone to another mobile phone, but can also be sent from some home phones. It is a quick and convenient way of sending a short message to someone.
- Android: Android is a mobile operating system (OS) developed by Google, designed for touchscreen devices such as smartphones and tablets and based on the Linux kernel.
- Eclipse: Eclipse IDE is an integrated development environment (IDE). It contains an extensible plug-in system and a base workspace for customizing the environment.

4.2Data Flow Diagram



4.3Applications

- Access contact from your phone remotely.
- Access unread SMS from your phone.
- Access missed calls from your cell.
- E-mail ID stored in contact number can be accessed by using this application.
- Address stored in contact number can also accessed by this system.

4.4Limitations

- If the Mobile phone is out of network area, then accessing of data is not possible.

- If the mobile phone is switched off, then data retrieval is not possible.
- If there is no balance in the remote phone, then the process cannot be accomplished.

V. CONCLUSION

Thus the application is very simple, easy and small to use by using SMS service. The application can be able to send other information such as email ID, address and other personal details via message using Multimedia service.

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