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Simcard's Address Book Access System

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Abstract: ***As the rapid growth in telecom companies and services provided by them mobile phone has become necessity for society as mobile phone are not just for calling but also aids other features like camera, clock, music player, etc. or we can say that mobile is multi-featured portable pocket size device. Other than calling the most widely used feature of mobile service is SMS. It really becomes hard to manage without mobile phone. Consider a emergency situation where a person's mobile phone is not available with him and wants to contact but he doesn't remember the contact number of the person to whom he wants to contact. Traditional way to get that urgent number is by calling at home. This process is sometime troublesome and long. This paper represents how SMS can provide an excellent alternative to a traditional way to get any contact, unread sms and to change audio profile from your mobile phone which is not physically available at the instance. So we propose an application which will reduce the long and troublesome process with the help of just one SMS. Person has to send request in the form of SMS to his mobile phone requesting for contact which he wants. SMS request when received is then processed and returned back to same number within less time and less efforts.***

Keywords: SMS based Information System, Information Retrieval, Short Message Service (SMS), and Global System for Mobile Communications (GSM).

I. INTRODUCTION

Now-a-days people are very busy. They need real-time information whenever and whereever they wish. The advancement of technology in mobile phone it is not just a luxuries item bt necessary one. It's easily available and possess by most population of our country and over the world. The popular communication technology used today is SMS, GPRS, 3G and 4G. Among these, SMS is most widely use. As it is more reliable and cost effective.

SMS is commonly used for the purpose of data retrieval & enquiry. Based on a query SMS, the result will be looked up from a database and returned to the sender via SMS. The project will discuss a solution to provide data recovery (in our case it is CONTACTS, AUDIO PROFILE of mobile phone) from android based mobile devices from a remote location.

The project is based on Android operating system. The main reason for choosing this platform is it's free and open source nature. Also android is adopted by a very large community. Also android is not limited to phones now a days, it is also used in a DVR, handheld GPS, an MP3 player etc.

II. PROBLEM DEFINITION

As most of the people store the contacts in mobile phone they don't take any effort to remember their all contacts. This condition can be considered as advantage as well as a disadvantage for a person. When user doesn't have his/her phone with himself/herself, he/she doesn't have access to the contacts available in that phone. It may also be possible that user doesn't know where he/she left his/her mobile phone. In such scenario, user will waste valuable time in finding for mobile phone. If user forgets his/her mobile phone at unknown place, user may miss important phone calls or messages which can cause delay in work. Possible solutions in existing systems are

User has to travel back to his home and access all missing information.

User may call to his family member or friends in case user know the place of mobile phone and access those information.

Alternate solution will be to develop a mobile application by which user can able to access all information from his mobile phone remotely.

III. LITERATURE SURVEY

A. Mobile Virtual Experimentation Utilizing SMS

An interface system utilizing GSM service with low-cost hardware equipment is proposed to enable mobile access to experimental setups via short message service SMS commands in order to perform virtual remote measurements. Communication between a mobile phone client and a remote PC server is achieved through programming the server using attention commands. AT and the protocol description unit PDU mode. The experimental setup can be controlled and monitored from anywhere covered by the GSM

service by exchanging SMS with the server with the aid of a C++ software which manages the follow and direction of messages from the source and destination mobile numbers.

B. SMS Based Information Systems

Short Message Service (SMS) based Information Systems (SMSbIS) provide an excellent alternative to a traditional approach of obtaining specific information by direct (through phone) or indirect (IVRS, Web, Email) probing. The wide range of applications and their public acceptance has motivated researchers to work in this research domain. Several applications such as SMS based information access using database management services, SMS based information retrieval through internet (search engine), SMS based information extraction, question answering, image retrieval etc. have been emerged.

IV. PROPOSED SYSTEM

consider a situation where you want to make an urgent call to a person but your mobile phone is not physically available with you at a instance and you don't remember the contact number of the person to whom you want to call. In that case you have to call home and ask someone to search for that contact and then resend it back to you. It takes your lot of time. Instead of doing this tiresome process you can send an SMS from someone's cell to your own mobile in a predefined syntax.

E.g.: GET CONTACT (Contact name/initial)

Also unread SMS can be retrieved using this application.

E.g.: GET SMS

V. SECURITY PERSPECTIVE

security is also provided for a situation when a person to get to know about this application, he/she can steal or can make an unauthorized access over the contacts. To secure the contacts from unauthorized access we can set a PIN number to be sent along with the syntax which will be known only to you. The application will match the PIN number, the syntax and then process and will reply back.

E.g.: 9876 GET CONTACT (contact name/initial)

VI. APPLICATION

This project has several applications in day-to-day life. These applications are as follows:-

You can use this system to access contact in your phone remotely.

You can also use this system to access unread SMS in your phone..

You can access missed calls in your cell.

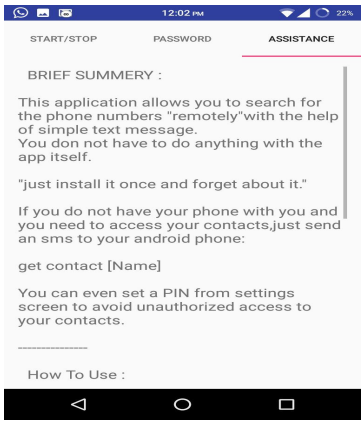
E-mail ID stored in contact number can be accessed by using this application.

Address stored in contact number can also accessed by this system.

You can also change your audio profile.

VII. IMPLEMENTATION

These snapshot shows the detailed description about the application and intructions on how to use this application.



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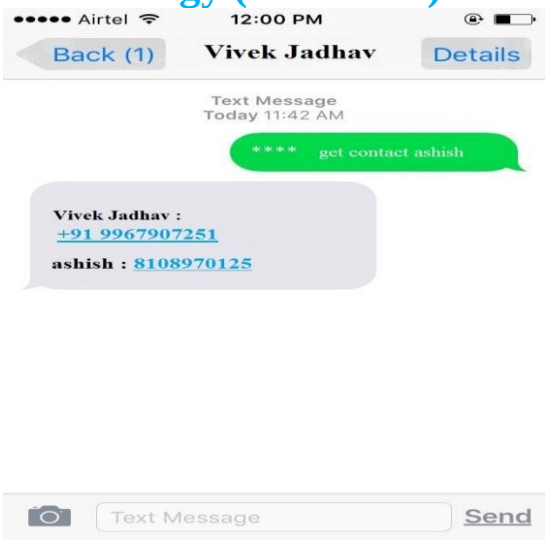

To get details user can send the SMS with the predefined syntax. the contact E.g.: GET CONTACT (ashish).

VIII. CONCLUSION

In this paper, we propose a method through which we can retrive information of contacts, unread sms, email-id , address through a android application it is useful in changing the audio profile remotely through SMS and maintaing quality of service.

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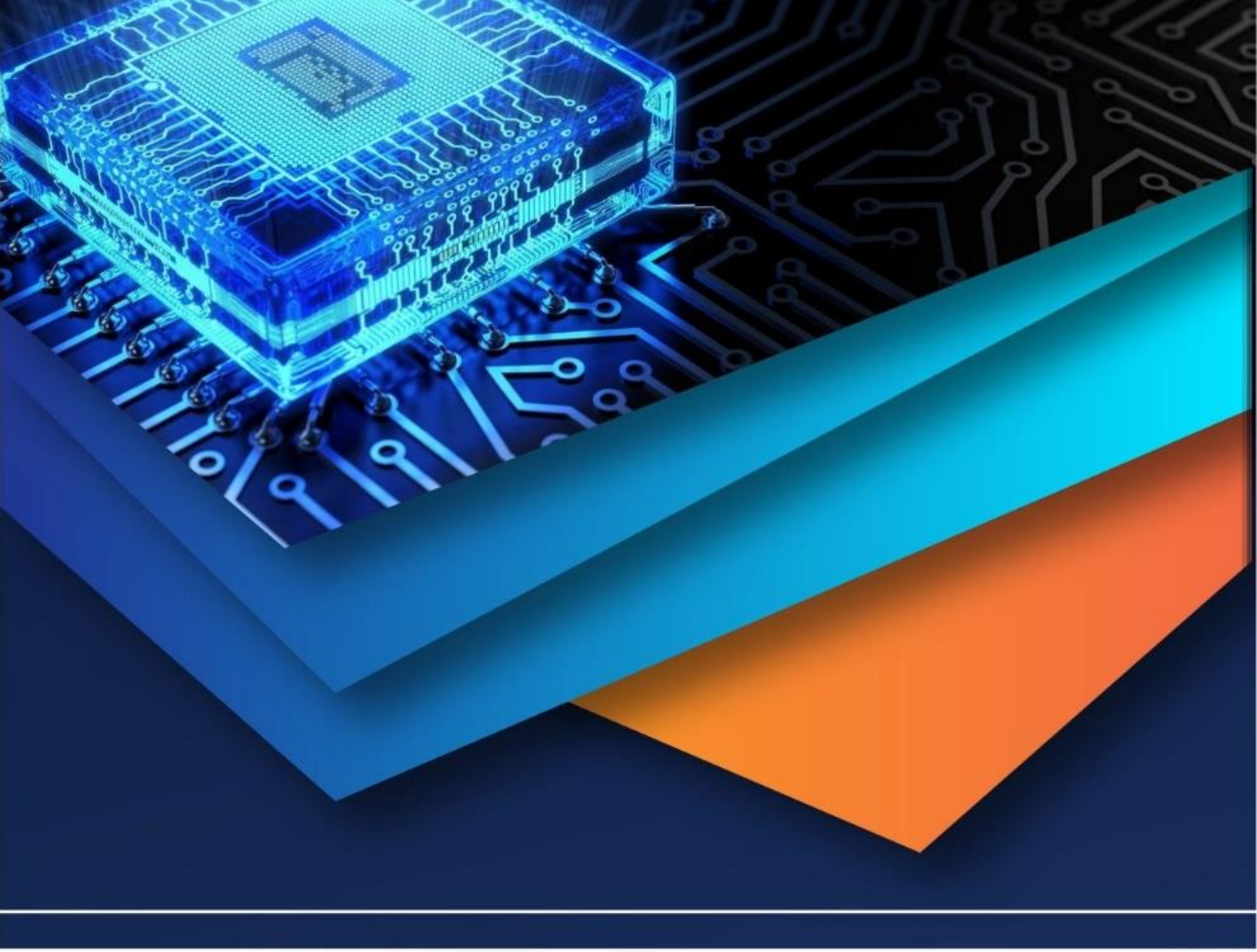

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45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

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