

**SMS BASE FILE SEARCH & AUTOMATIC CONTACT SAVING TECHNIQUE
USING GSM**Sarla Kharwar¹, Krupa Patel², Prof. Shyamal Virnodkar³^{1,2,3}*Department of Computer Engineering, K J Somaiya Institute of Engineering and Information Technology,
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Abstract--Files are scattered over multiple machines. In case if user forgets to take file in pen drive or email the file, user is left with no other option. But calling home or respecting location and explaining the person to navigate through the directory and mail the file. Now if the person is not computer educated or does not know how to operate the computer and internet then the situation become more difficult. In this case the user may face many issues as he might not get the required file. To overcome this problem many developers have come up with the mobile application which will remotely connect to your desktop and transfer the file. Now a days loss of contacts has become a major issue. So this app also gives the facility of automatic contact update, even if user doesn't have any gmail or any account on any website. In this project we make an application which can search the desktop computer file using SMS and automatically update user's contact.

Keywords—GSM, AT commands, remote desktop

I. INTRODUCTION

SMS has shown significant resilience in market that is bombarded with media that is bombarded with media that all add to the clutter of daily communication. SMS is now accessible in many ways as a business tool. Consumers have been first in adopting SMS as a mean of communication, popularizing the protocol with a specific language and creating the playing fields that are now being entered by businesses. There are a variety of business applications used in industries such as:

- Mobile commerce and transaction
- Internal communication among staffs
- Field service and engineering
- Billing information updates

The increasing demand for applications and services that allow the development of new business, stimulate companies to increase the investment on network infrastructure services as well as telecommunication systems. These systems have had their complexity increased, interconnecting equipment of various manufacturers, which generally use different technologies. Accordingly, the increasing use of SLAs requires sophisticated monitoring and management systems. The purpose of the project is to search a file on remote machine by just sending a simple SMS and get that file mail it to user if found also update his/her contact list. The application will be kind of desktop application where it will check for new incoming SMS. The application will first check whether the mobile number through which SMS has been sent is authorized to search the file or not. If not application will send back an acknowledgement saying that user is not authorized to search the file. If the user is authorized, then application will start the file search and if the file is found it will mail it user on the registered email Id. At the same time it will update the contacts as well. While sending SMS user has to send the option, file name, file path (optional) and email id. Apart from file search and emailing the file, application also support uploading, downloading the file from any FTP server provided the details of FTP server is known.

Technology development in the mobile communications has been growing substantially in recent years. The success of Global Systems for Mobile (GSM) [2] technology is a fact and the continuous growth of the Internet creates opportunities for the mobile cell companies to offer new data services, mostly Internet and Intranet access for mobile users all over the world. Currently, two technologies have appeared as big players in the wireless arena. One is the result of the development and migration of LAN technologies, standardized by the IEEE as 802.11 or Wireless Fidelity (Wi-Fi). The other is General Packet Systems Radio (GPRS). GPRS was created to fulfill the needs for transmitting data packets over cellular telephony. Other technologies like Code Division Multiple Access - 1 x Radio Transmission Technology (CDMA - 1xRTT) and movements toward standardization with Universal Mobile Telecommunications Systems (UMTS) make it clear that a big market for wireless access is coming. This work is centered on mobile devices with GSM/GPRS connectivity to provide network management facilities, despite having more limitations than standard computers.

To introduction the SMS based file search application is SMS based file search on the desktop computer and send the search file to respected user using the email. The basic ideas of the project are user send the file name using the SMS. After the SMS

is reached to the computer the computer search the file as mentioned in the SMS and that file is attach to the email and send it.

Since loss of contact detail may create major problem for the individual or an organization. So it is very important to have backup of contacts.

II. EXISTING SYSTEMS

Generally there is no such existing system which illustrates the concept of the SMS file search. We have the desktop search facilities. We have the mobile file search facilities. But no one application represented the concept of the SMS file searching.

Following are the some of the file search program.

1) Desktop search:

Desktop search is common technique for the searching the file in windows application.

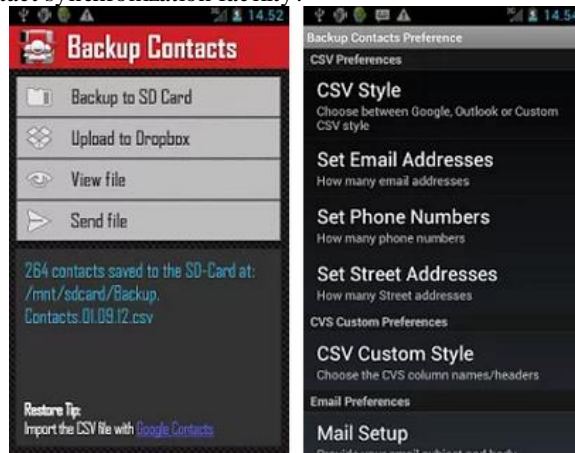
2) Search using the voice:

There are some of the application which facilities the search technique using the human voice.

3) Team Viewer: Team viewer is developed by Team Viewer GmbH. It is a software package for remote control desktop sharing, web conferencing and file transfer between computers. It is popularly used to access the files on remote machine.

4) For backup of contacts many websites are available to us.

5) Even google also, provides contact synchronization facility.



6)

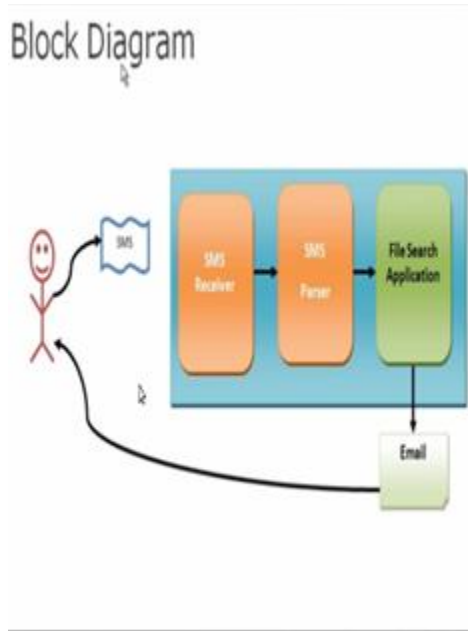
2.1 Drawback of the Existing system:

Following are the existing system drawback,

- The existing system search the file in the desktop users, if there is remote user then he/she can't search the file in his/her desktop.
- If any user want the file from the remote location then their must use the remote desktop connection.
- To establish connection between a local and remote client, Team Viewer generated ID and password of either client are required.
- Team Viewer needs administrator permission to startup, therefore not feasible to be used in office where employees don't exercise such rights. Team Viewer can't be used by illiterate user. We can say that it is not easy to use.
- In many offices it is prohibited to use such software.
- Only well educated person can maintain backup of contacts.
- For existing apps user should have smart phone to maintain back up of contact.

III. PROPOSED SYSTEM

The solution to this problem is our proposed application. This application facilitates user to obtain a file located on home desktop through email by sending SMS. The SMS format will include the name of the file to be search, file location (optional), user mail address to where the file if found has to be mailed. The application on receiving this SMS will search the file on remote machine and on finding it will attach it to the email and mail it. This file search on remote machine it will first search in 'Recent File' folder as it usually recently accessed files , if file is not found here then the application will search rest of the files. The user can also specify a direct path of the file in the SMS. Apart from mailing the searched file the application can also upload and download files from the FTP server.



As user asks for a file his/her contact file also is sent on mail id. Contact file is sent in a encrypted manner like he/she will have to run the link in the phone and contacts get updated. User does not have to make any other for contact updates

Following is working of the proposed application.

- The user of the system sends SMS to the desktop.
- The desktop computer receives the SMS using the GSM.
- After the reading the SMS, the computer search the file.
- The search file sends the file to the user email address.
- At the same time it also sends contact encrypted file link at e-mail id. It is done everytime to avoid any risk
- User can stop this service. He may ask for contact update separately.
- User connects his/her phone to his/her own desktop, and contact file automatically get stored in desktop. This feature is already present in PCs.

Advantage of the proposed system

- Get file on email anytime and anywhere.
- Used the SMS. Since the SMS service the low cost service. So that user has the advantage.
- Search and get required file on remote machine.
- The application has to be installed on the client side.
- No admin access required due to client side installation.
- Active internet connection is required only on client side pc for the purpose of emailing the file.
- Emails all the files as a result of search operation.
- User gets contacts at every instant without entering any password. Hence contacts are secured .hacking is not possible. Phishing websites can't use your confidential contacts.

IV. SUMMARY

We successfully can retrieve file from remote desktop just by sending filename in SMS to the target desktop. It is cost effective method as well as time efficient method. It has got easy to use facility. Even it does not require any technical knowledge. For retrieving the file no Internet connection is required on phone. Secured contacts facility is ensured. Retrieval of contacts is very easy. Since it does not require any technical knowledge it can be used by everyone. Each and everyone can maintain back up of his/her contacts.

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