

**INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH  
TECHNOLOGY****GROUP BASED EMAIL SENDER WITH ATTACHMENTS VIA NON GPRS  
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**ABSTRACT**

Email is one of the mostly used utility of Internet for communication. A person can communicate with any other person with email in seconds. Also various important documents, images, scanned documents etc. can be sends as attachments. Emails can be sent using a Computer or Mobile The firm requirement to send Email from mobile is that it requires GPRS activation on Computer or Mobile. Naturally everyone cannot afford GPRS to be activated on their mobile device. Also email with attachments with a normal mobile device is not possible. In my previously published paper in International Journal of Engineering Sciences & Research Technology, [Choudhary\*, 4(9): September, 2015] we explore the viability and present our system implementation to allow registered users to send email with their non-GPRS Mobile via SMS. Also Attachments can be sent with Email. That too will be sent from non-GPRS mobile.

The current Idea is an enhancement to the previously published paper is to send multiple emails with multiple attachments or Bulk SMS to a selected category of registered users contact lists. That too by just sending a single SMS.

**KEYWORDS:** Attachment, Email, GPRS, GSM, non-GPRS, Registered user, SMS.**INTRODUCTION**

Text messaging is one of the most utilized forms of electronic communication. Cheap phones with limited capabilities are often restricted to voice calls and SMS. Short Message Service, or text messaging is a major communication system worldwide; more than 2 billion mobile messages are sent. Text messaging is utilized in almost every field. It can be also be utilized in sending Emails and with modifications for sending Emails with attachments. Our effort in this paper is to make Email facility available through SMS. We developed a text messaging system for processing incoming SMS as request for sending email from user, processing SMS, authenticating sender's mobile Number against the database, retrieving documents information from database that are to be sent as an attachment and sending them as Email to the user email-Id specified in SMS.

The usability of such a system is likely to be very high as the users only need to know the mobile number of the server. There is no need to obtain, install and learn new software. Moreover sending SMS is cheap and reliable. With enhancement, it can be used as bulk Email Sender with multiple attachments just by sending a Single SMS. Email is one of the mostly used utility of Internet for communication. A person can communicate with any other person with email in seconds. Also various important documents, images, scanned documents etc. can be sends as attachments. Emails can be sent using a Computer or Mobile. The firm requirement to send Email from mobile is that it requires GPRS activation on Computer or Mobile. Naturally everyone cannot afford GPRS to be activated on their mobile device. Also email with attachments with a normal mobile device is not possible. Here we explore the viability and present our system implementation to allow registered users to send email with their non-GPRS Mobile via SMS. Also Attachments can be sent with Email. That too will be sent from non-GPRS mobile.

The enhancement allows registered users not only to send Bulk Email with multiple attachments to all the contact list but also Grouping will allow to send Email with multiple attachments to a specified group or even multiple groups belonging to the registered user.

The Idea specified in this paper can be useful in office and college environment. For example, a HOD of a particular department can send emails to all the students of that department of the specified year. Also assignments

can be attached with the email for the students. The main advantage is that it can be send just by sending a single SMS and that too from an ordinary NON-GPRS Mobile.

### LITERATURE SURVEY

The important IEEE paper that has played the important role in forming the topic is as under “Mobile Medicine: Providing Drug Related Information through Natural Language Queries via SMS” published IEEE International Advance Computing Conference (IACC 2009) Patiala, India, 6-7 March 2009.the authors were Akhil Langer, Bharat Kumar, Ankush Mittal and L.V. Subramaniam.

The above paper has given me the idea for implementing the GSM based Email Sender using SMS from a NON-GPRS Mobile. This will allow person having Non GPRS Mobile not only to send Email but also Email with attachments. It was published paper in International Journal of Scientific and Research Publications, Volume 3, Issue 10, October 2013.

The enhancement done to this idea is the paper published in the International Journal of Engineering Sciences & Research Technology [Choudhary\*, 4(9): September, 2015].

The current enhancement is sending Email with multiple attachments to a group of users categorized by registered user. Example, in case of a college notes of a particular subject is to be sent to student of only a particular department or departments.

### NEED AND SIGNIFICANCE OF PROPOSED RESEARCH WORK

The system being developed allows the registered users to send Email or Emails with attachments or Bulk Emails with multiple attachments from their non-GPRS mobile device just by sending a SMS to a group or a groups of specified users.

### WORKING

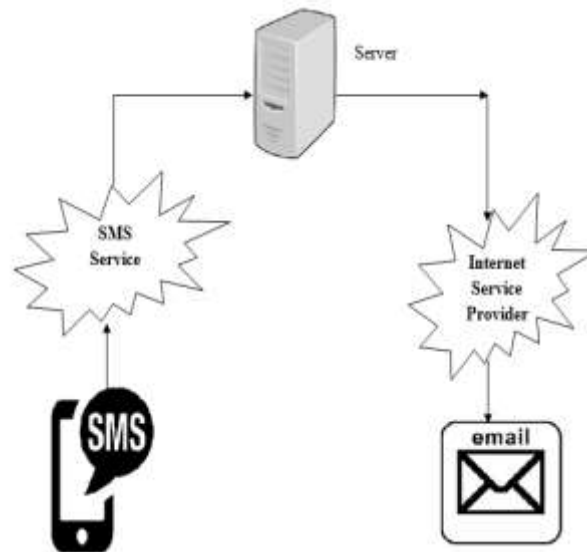


Figure 1 Architecture of GSM Based Email Sender

Figure below describes the working of the system being developed. It depicts that the user interested in sending Email from his/her non-GPRS mobile sends as SMS the message to be sent, the receiver’s email-ID along with the optional document-Id or group id that is to be attached with Email to the modem attached to the server which is capable of sending and receiving SMS. The server running Internet forwards the Email to the recipient.

### SIGNIFICANCE OF PROPOSED WORK

Cheap phones with limited capabilities are often restricted to voice calls and SMS. The objective is to allow such users for simply sending Emails or even emails with attachments. Also bulk Emails with multiple attachments can be sent by just sending a single SMS. The developed site can also serve as a repository for user’s useful document and contact details.

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