

**Title:** FileSMS Application: Sending File using SMS Gateway for Android Users

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## **ABSTRACT**

In modern information and communication age, mobile application is one of the most concerned and rapidly developing areas. The society of this generation adopts the new devices and applications on mobile phones. People nowadays are using smartphones and an application can be an educational tool and would help people cater their needs.

The proposed project “FileSMS Application: Sending File Using SMS Gateway for Android Users” is an application that can send any kind of file using SMS to other android user. The researchers used an algorithm to perform the given processes of the file by a step by step conversion. The file goes through a lot of process like the file is converted to bytes then converted to base64 string and send in to another mobile by dividing its parts by 160 characters by the allowed network characters to be send by a mobile. After receiving all parts of the file, the process used to convert it back to file is the parts that are collected and sort it in ascending order and get the index of each parts. After sorting all parts, it has then converted back from base64 string, converted to bytes then bytes converted back to file.

**Keywords:** Android Application, SMS Gateway, Mobile Application, Send and Receive File via Short Messaging Services, FileSMS