

MICRO UTILITIES COMMUNICATION UTILITIES ON LOW-COST MOBILES

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ABSTRACT

With abrupt advancement in mobile technologies more people are connecting to each other in different ways. There was a time when the applications were only available in the ordinary desktop computers. But now, it is available also in wireless devices taking the current state of the technology available for accessing 3G networks into consideration. Mobile networks evolve into a more powerful medium for information sharing and the devices that are connected to them grow in their ability to process the data at faster rates. Chat applications are built-in with only some brand of mobile phones and they are compatible with them alone. They are costly and difficult for the naive ones to procure.

As per the recent statistics, out of 1 billion mobile users in India only 137 million users are using internet. So to **serve the rest of the users**, designing mobile application with necessary utilities is mandatory. This paper “Micro Utilities” is an attempt to bring the overall effectiveness of mobile applications with Micro Mail, Micro SMS and chatting via Bluetooth in a cost-effective manner to satisfy all types of mobile users. The first phase of the research deals with Micro Mail. During this phase of the research, the author proposes that using this Micro Mail utility, Users can send email as the mobile is configured with the SMTP port of the Micro Mail.

This work is concentrated on improving the user experience with the utility along with the ability to send emails. The second phase of the research deals with Bluetooth chats. During this phase of the research, the author proposes that the users wanting to have a secure private chat within the radius of 20 meters can chat using this utility. This work is concentrated on providing cost-effective low distance secure communication amongst the users. The third phase of the research deals with sending micro SMS to other mobile users. This phase ensures the customized User Interface screen for sending the SMS. This paper in overall suggests a model for mobile users in terms of communication utility there by providing a less economical facility for low cost mobiles.

KEYWORDS: Micro Utilities, Bluetooth Chat, Micro Mail, Micro SMS