ABSTRACT

This project is a work to develop an application that uses Bluetooth technology for mobile devices. A detailed perusal of Bluetooth and Java 2 Platform Micro Edition (**J2ME**) technologies is undertaken and is paraphrased here in this report. We also present the use of the above mentioned technologies in implementation of a sample application using Bluetooth transfer called Instant Bluetooth Messenger (IBM). IBM serves as users' communication platform by enabling connection between two Bluetooth enabled devices, like the mobile phones, as client and server who can send text messages to each other, in other words, *chat*. Users can access the application or service in their mobile phones by installing the developed software. A very important reason for the development of this application is it's free to use nature as opposed to mobile *short messaging service* (SMS) which are offered by the mobile service network providers at some monetary cost and also inspired by the free Instant Messengers that are used by *netizens*. The mobile application is built using Mobile Information Device Profile (**MIDP**) of the **J2ME**. The application has been deployed and run on an emulator (Wireless Toolkit 2.5 Beta) with a DefaultColorPhone as the default emulator. The application system is programmed in Java, while the software at clients by **J2ME**.