**An Application About Bluetooth technology**

**in Android System**

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Abstract: Nowadays is a world called informational world, all operations have been informationized gradually and transmissioned of data is an important issue of information technology. Bluetooth technology will be widely used in the future because of its stable wireless transmission way is low-power and high efficiency. Therefore the developing of a set of Bluetooth software in Android phone is necessary for users.

This paper has achieved an android application with comprehensive Bluetooth functions. The software include the opening and closing of Bluetooth, Bluetooth visible settings, Bluetooth Search, Bluetooth Chat, Bluetooth file transfer, Bluetooth sharing networks and Bluetooth access data sources around. These can be implemented specifically in Android phone.

The software using C / S structure and the Android SDK development platform .And the paper choose the ALCATEL ONETOUCH PIXI 3-4.5 (3g) as test machine. The CoR chain of responsibility pattern is employed to develop and test software. This paper describes the software development process include requirements analysis, structure design, the specific detail design and implementation and testing of the software. Eventually, the software meet the design requirements.

Keywords: Android Bluetooth Application

Signature of Supervisor: