

## Abstract

Mobility is one thing that human can't leave behind. At one time, we have to be somewhere, and at the next period of time we have to be at somewhere else.

Technology development at location context has proposed the concept of location-based service (LBS), which then continues to be developed as context-aware system with wider scopes. Context-aware system is a system which has capability to be aware of environment condition, and gives respond to the existing contexts.

By using bluetooth connection, position information for location context is acquired from GPS Receiver. Both location mark and activity alarm data are stored at mobile device by utilizing RMS J2ME technology. System checks the relevancy of reminder data with location context and current time.

The implemented Context-Aware Mobile Reminder has the capability to become a location based and time based reminder application. It also capable to save both location mark and activity alarm data, using GPS Receiver via Bluetooth connection as location information provider, and performs reminder functionalities as user want.

**Keywords** : *Context-awareness, Location-based service, GPS, Record Management System, J2ME.*