

UNIVERSITI TEKNOLOGI MARA

**LOCATION BASED REMINDER
USING GEOFENCING**

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BACHELOR OF COMPUTER SCIENCE (Hons.)

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**Location-Based Reminder using
Geofencing**

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for Bachelor of Computer Science (Hons.) Faculty
of Computer and Mathematical Sciences**

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SUPERVISOR'S APPROVAL

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This report was prepared under the supervision of the project supervisor, Encik Mohd Taufik bin Mishan. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Computer Science (Hons.).

Approved by

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JULY 30, 2015

STUDENT'S DECLARATION

I certify that this report and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

Reminder applications are becoming the must have applications on mobile devices as it can help users to remind themselves on a specific task that must be accomplished. Nowadays, reminder applications become more effective and gain its popularity as it can ease the users in their daily life. Currently, most of the reminders are triggered by time which is not really appropriate as the users do not know when they will be at that location. By solving this problem, reminder based location can be used as most of the mobile devices have localization sensors which can make reminder have additional functionality. The location-based reminder will combine time-based and location-based as it will only alert if the reminder satisfy with both conditions. The reminder triggered only when the user is in the radius of location and geofencing is used to track a user's current location. Geofencing technology uses GPS to track location in the 1000 metres. Besides, the location based reminder also will have additional features which are able to alert for enabling GPS and have snooze time.