

Universiti Teknologi MARA

**The Child Tracker using Location
Awareness**

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ABSTRACT

The Child Tracker using Location Aware methods aims to provide user a very effective way to broadcast their location especially to their parents. The proposed algorithm which is purpose to determine the accurate of the location of the tracked smartphone in order to maximize the probability to find the device associated with time in order to avoid the children from missing.

One the significance feature of this project is to track the position of device precisely. The location retrieve from client or the tracked device will be computed and filtered based on the algorithm to generate addresses from latitude and longitude, the coordinate of mobile phone. Whenever a user want to send emergency call, just sent it through their parent number.

Moreover, if the phone's sim card was been changed, the parent will been notify by the application about it as well as the location of the device. In addition, in this application also have record location function to keep track and save the location of the device periodically to their parents. In this paper, the aim of proposed conceptual smartphone tracker framework is to provide mobile phone security and to locate ability of device in form of mobile application.

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