Abstract

Smartphones are advanced versions of cell phones which can provide multi functions tasks. Most Smartphones have the following facilities: E-mails, Cameras, Wi-Fi connectivity, and comprehensive user interface such as touch screen and built in GPS system and interface for installing new applications. Using outdoor location-based services associated with GPS/GPRS have widely out broken. This paper aims at developing a velocity based system for location tracking that will be more convenient for users and more reliable, putting into consideration the expenses for the network service and increasing the accuracy in Smartphones.

References

- Kumar Maji, A., Kangli Hao, Sultana, S., Bagchi, S., Characterizing Failures in Mobile OSes: A Case Study with Android and Symbian, Software Reliability Engineering(ISSRE), IEEE 21 St International Symposium, San Jose, CA, 1-4 Nov. 2010, 249 – 258, DOI= 10.1109/ISSRE.2010.45
- Thuong Le-Tien and Vu Phung-The, "Routing and Tracking System for Mobile Vehicles in Large Area", the 5th IEEE International Symposium on Electronic Design, Test

**Index Terms**

Computer Science  
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**Keywords**

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