

GPS Based Attendance System

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Abstract: *We all know that it is unquestionable that expert system application gaining admiration. Evolution in computer technology has changed the development in many other domains including environment security. For many years the procedure of manual attendance has been taken out which is not only time consuming but also furnish inaccurate sequel. Motorized time and attendance monitoring system provides numerous eases to organizations. This lowers the necessity of pen and paper based manual attendance pursuing system. Ensuing this conviction, we have put forward an attendance system based on location using global positioning (GPS) technology which administered on mobile application on smartphone. The location of a smartphone which can be resolute by the GPS. The location is interpreted as a key of time and attendance tracking on our paper and the attendance is gathered using Geo-Fence technique which find out whether the location of the student is within the Geo-Fence locality or not. Our project accredit child Tracking System in an application that allows parents to surveil their child cell phone. All incoming and outgoing calls, text and multimedia messages can be perceive and cut in by the parents, who can also prefect where their children are (via GPS), and access history of where they've been and settle alerts if their children are going out of approved geographical zones!.*

Keywords: Android, route learning techniques, GPS, MANS, LBD, SMS, Ad Hoc Network ; Autonomous Clustering, Mesh Network

REFERENCES

- [1] J.Saranya,J.Selvakumar, "Implementation of Children Tracking System on Android Mobile Terminals", International conference on Communication and Signal Processing, April 3-5, 2013, India.
- [2] ReshmaM ,Sampreetha Ram N.S , Amrutha K.M , Terry Xaviour, "Survey On Different Technologies of Child Tracking System", IJCAT - International Journal of Computing and Technology Volume 1, Issue 1, February 2014.
- [3] Yuichiro MORI, Hideharu KOJIMA, Eitaro KOHNO, Shinji INOUE, Tomoyuki OHTA, and Yoshiaki KAKUDA, "A Self-Configurable New Generation Children Tracking System based on Mobile Ad Hoc Networks Consisting of Android Mobile Terminals", proposed in 2011 Tenth International symposium on Autonomous decentralized systems.
- [4] Eitaro Kohno, Tomoyuki Ohta, Yoshiaki KAKUDA, Shinji Inoue and Yusuke Akiyama, "Performance Improvement of Hiroshima city children tracking system by correction of wrong registrations on school routes Proc". 9th IEEE International Symposium on Autonomous Decentralized Systems (ISADS 2009), Athens, Greece, pp.261-265, 2009.
- [5] Chao-Lin Chen; Kai-Ten Feng, Hybrid "Location Estimation and Tracking System for Mobile Devices", Vehicular Technology Conference, 2005. VTC 2005- Spring, 2005 IEEE 61st Volume 4.