Abstract

This paper gives design, and implementation of a newly proposed vehicle tracking system, that uses the popular social network as a value added service for traditional tracking system. The proposed tracking system make use of Google maps service to trace the vehicle, each vehicle has an account that contains a posts of Google maps that display the vehicle location on real time mode. A hardware module is inside the vehicle that uses Global Positioning System (GPS) – to detect vehicle location- and Global system for mobile communication (GSM) – to update vehicle location in vehicle account on social network -. System uses the well-known Arduino microcontroller to control GSM-GPS Modem. The proposed system can be used for a broad range of applications such as traffic management and vehicle tracking/ anti theft system, and finally traffic routing and navigation. it can be applied in many business cases, like public transportation, so passengers can track their buses, trains, by following the vehicle account on social network. It also can be used in private business sector as an easy and simple fleet tracking and management system, or can be used by anyone who wants to track his car, or to find his way in case he get lost.
Integrating Social Network Services with Vehicle Tracking Technologies

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Index Terms

Computer Science Communications

Keywords

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