Abstract

The goal of this paper is to review the past work of vehicle tracking, monitoring and alerting system, to categorize various methodologies and identify new trends. Vehicle tracking, monitoring and alerting system is challenging problem. There are various challenges encounter in vehicle tracking, monitoring and alerting due to deficiency in proper real time vehicle location and problem of alerting system. GPS (Global Positioning System) is most widely used technology for vehicle tracking and keep regular monitoring of vehicle. The objective of tracking system is to manage and control the transport using GPS transreceiver to know the current location of vehicle. In number of system, RFID (Radio Frequency Identification) is chosen as one of technology implemented for bus monitoring system. GSM (Global System for Mobile Communication) is most widely used for alerting system. Alerting system is essential for providing the location and information about vehicle to passenger, owner or user.
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- Benjamin Coifman, David Beymer, Philip McLauchlan, Jitendra Malik, "A real-time computer vision system for vehicle tracking and traffic surveillance," Transportation research part C6, 1998.
- Kumar Yelamarthi, Daniel Haas, "RFID and GPS integrated navigation system for the visually impaired," 2010.
- Mahammad Abdul Hannan, Aishah Mustapha, Aini Hussain, "RFID and
Vehicle Tracking, Monitoring and Alerting System: A Review

- N. Vijayalashmy, V. Yamuna, G. Rupavani, A. Kannaki@VasanthaAzhagu, "GNSS based bus monitoring and sending SMS to the passengers," International Journal of Innovative Research in Computer and Application Engineering, Vol. 2, Special Issue 1,
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**Index Terms**

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**Keywords**

Global Positioning System  Radio Frequency Identification  Global System for Mobile Communication