Abstract

In this paper, a vehicle monitoring and routing system has been proposed which allows a vehicle administrator to monitor the vehicle in real-time using a GPS-based device possessed by its driver. This system can continuously track a vehicle and show its exact position using GPS. The proposed system is also capable of finding the shortest route to reach the destination which uses the proposed algorithm to find the same. This system also possesses the facility of speed monitoring and giving alerts to the driver if he over speeds his vehicle. Also, the system gives accident alerts to the vehicle admin.

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**Index Terms**

Computer Science  
Control Systems

**Keywords**

Real-time monitoring, routing, speed monitoring and alerts, accident alerts.