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.

References

1. S. Sivakumar, Dr. C.Chandrasekar, “Modified Dijkstra’s Shortest Path Algorithm ” Ijir In Computer And Communication Engineering (An Iso 3297: 2007 Certified Organization)
2. Liang Dai, “Fast Shortest Path Algorithm For Road Network And Implementation”
Carleton University School Of Computer Science Honours Project  Fall Term, 2005 Comp 4905
4. Paul Benjamin Et Al, “Design And Development Of Gps/Gsm Based Vehicle Tracking And Alert System For Commercial Inter-City Buses”

Index Terms

Computer Science
Control Systems

Keywords

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