Abstract

Evolution in transportation technology makes the necessity for increasing passenger safety. Today women safety is more important when they are travelling in public transport. So we want a tracking system for passengers so that we can monitor at anytime from anywhere. Mostly passenger tracking systems are Radio Frequency Identification (RFID) based but they are not cost effective. In this paper a cost effective Global Positioning System (GPS) and Global System for Mobile communication (GSM) based passengers tracking system inside buses is introduced here. It tracks the passengers by using ticket number and displays location on Google map.

References

- Rashmi Bajaj, Samantha Lalinda Ranaweera and Dharma P. Agrawa, "GPS:
GPS and GSM based Passenger Tracking System

Location Tracking Technology; Communication, April 2002.

- Song Jie, Li Na-na, Chen Ji-lin, Dong Yong-feng and Zhao Zheng; Design and Implementation of Intelligent Transportation System Based on GPRS and Bluetooth hybrid model; Proceedings of the IEEE International Conference on Automation and Logistics Qingdao, China September 2008.
- Mohamed Ibrahim and Moustafa Youssef; CellSense: An Accurate Energy-Efficient GSM Positioning System; Ons On Vehicular Technology, Vol. 61, NO. 1, © 2011 IEEE.
- Xianyong Feng, Karen L. Butler-Purry and Takis Zourntos; Multi-Agent System-Based Real-Time Load Management for All-Electric Ship Power Systems in DC Zone Level; 0885-8950/$31. 00 © 2012 IEEE.

**Index Terms**

<table>
<thead>
<tr>
<th>Computer Science</th>
<th>Communications</th>
</tr>
</thead>
</table>

**Keywords**

GPS  GSM  SMS  Ticket Number  Google map.