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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.

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**Index Terms**

Computer Science  
Communications  

**Keywords**  
GPS  
GSM  
SMS  
Ticket Number  
Google map.