Abstract

As a rapid increase in urbanization, many people can afford a car nowadays but due to increase in the number of cars in the city people are facing problems in travelling. Due to rapid increase in the number of cars not only congestion and traffic is increasing but also it is harming the environment. Also due to this it leads to problems like increase in fuel combustion, heavy cost on resources, parking problems. To overcome these problems an online solution of "CAR POOLING" has been proposed. We intend to make a web and android application that will let people know if vehicles are available for sharing in their desired path. Also, it will facilitate people using this application to share expense and may not worry about hiring a cab or
making new connections. People using this application on their mobile phone can easily carpool with unacquainted or acquainted people without much efforts and even without security concerns. Intelligent transportation technology can play an important role in making these systems user-friendly, easy to manage, and efficient. There is an important need to tightly integrate the different types of technology and to develop an effective system architecture.

References

- Song Jie, Li Na-na, Chen Ji-lin, Dong Yong-feng, Zhao Zheng, "Design and Implementation of Intelligent transportation system based on Gprs and Bluetooth," Qingdao, China, 2008.

Index Terms

Computer Science

Artificial Intelligence

Keywords
Intelligent Transportation System Architecture for a Carpool System

ITS  VANET  RFID  GPS  GPRS