A MOBILE APP ON BUS TRACKING SYSTEM

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ABSTRACT

Bus tracking is an application that tracks a bus and gathers the distance to each station along its route. Tracking System involves the installation of an electronic device in a vehicle, with an installed Android App on any SMART phone to enable the Administrator/User to track the vehicle's location. There are two applications one for server and the other for the client. Buses carry GPS devices* to track their positions. By this positions to server are periodically updated. Client application displays map showing the position of bus. It shows where buses are on a map and provide users the updated information at different time interval. The server will monitor location and will store its data in the database. It is a real-time system as this method automatically sends the information on the GPS system to a central computer or system/SMART phone. Since this is an android application we use SQLite server database for the backend.

The users can get flexibility of planning travel using the app, to decide on which bus to take or when to catch the bus. The waiting time of the user can be reduced. Simple mode of communication is the key feature of the Bus Tracking system. This application can be easily extended for central tracking system to keep track of all the public vehicles. The different queries and efficient route management can be easily done through central server system.

*[Cell phones in this case]