Transportation System Incorporating Integrated GPS Technology

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Abstract: *Using "bus tracking" software, buses are tracked and their stop distances calculated. The administrator or user may track the vehicle by installing an electronic device in the automobile and downloading an Android app to any SMART phone. Two applications client and server. GPS trackers are on buses. These ranks are updated regularly for the server. Client application displays bus position on map. It shows bus whereabouts on a map and updates clients at different intervals. The server will monitor location and save data in a database. GPS data is transferred automatically to a central computer, system, or SMART phone, making it real-time. The user is notified of bus arrival. This Android app uses SQ Lite on a SQL Server for its backend. Customers may plan their trips and pick bus times using the app. User wait times may be reduced. The Bus Tracking system relies on simple communication*

Keywords: Vehicle management, Real-time monitoring

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