Implementation of Real-Time Bus Tracking and Passenger Information System for MSRTC

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Abstract: *The "Real-Time Bus Tracking and Passenger Information System for Maharashtra State Road Transport Corporation (MSRTC)" is a cutting-edge technological solution designed to revolutionize the public transportation experience. In a world where efficiency, accuracy, and real-time information are paramount, this system stands as a beacon of innovation. The system offers real-time tracking capabilities, allowing passengers to monitor the exact location of MSRTC buses in real-time through intuitive mobile applications and web interfaces. Leveraging GPS technology, this feature not only ensures accurate tracking but also enables precise predictions of bus arrival times at designated stops. Passengers gain access to comprehensive route information, including stops, schedules, and landmarks, enhancing their ability to plan journeys effectively. The Real Time Bus Tracking and Passenger Information System for MSRTC stands as a testament to the power of innovation, ushering in a new era of smart public transportation.*

Keywords: Real-Time Bus Tracking, Passenger Information System GPS Integration, Mobile App, Data Security

REFERENCES

[1] Dr. SayleeGharge, Manal Chhaya. Gaurav Chheda, Jitesh Deshpande, "Real time bus monitoring system using GPS." An International Journal of Engineering Science and Technology. Vol. 2, Issue 3, June 2012.

[2] Abid Khan, Ravi Mishra, "GPS-GSM based tracking system," International Journal of Engineering Trends and Technology. Vol. 3, Issue 2, pp: 161-164, 2012.

[3] S. P. Manikandan, P. Balakrishnan, "An Efficient real time query system for public transportation service using Zigbee and RFID."International Journal of Research in Communication Engineering. Vol. 2, No. 2, June 2012.

[4] Swati Chandurkar, SnehaMugade, Sanjana Sinha, Pooja Borkar,"Implementation of real time bus monitoring and passenger information system.".

[5] Pankaj Verma, J. S. Bhatia, "Design and development of GPS-GSM based tracking system with Google map based monitoring," International Journal of Computer Science, Engineering and Applications, Vol. 3. No.3, June 2013.

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