



iTrucking: Intelligent Trucking Management System for Efficient Logistics

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SIMILARITY INDEX REPORT

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○ ABSTRACT

The logistics and trucking industry faces continual demands for efficiency, transparency, and enhanced user experience. This web-based application addresses these challenges by integrating advanced functionalities to benefit customers, drivers, and administrators. The intuitive Customer Management module allows users to manage profiles, receive personalized truck recommendations, and make informed decisions using advanced filtering options. Secure and convenient payment systems, real-time delivery tracking, and transparent communication channels further enhance customer satisfaction.

The Driver Management module focuses on driver profiling, customer request management, and quick medical checkups, promoting driver well-being. Vehicle Management utilizes sensor data and machine learning to provide proactive maintenance notifications and efficient tracking mechanisms, ensuring optimal vehicle performance. The Administrator module streamlines data management, facilitates maintenance scheduling, generates insightful reports, and monitors deliveries and potential delays.

Leveraging cutting-edge technologies, this web-based application optimizes logistics operations, offering a comprehensive solution for a modernized and efficient trucking ecosystem.

Logistics Application, Trucking Industry, Customer Management, Driver Management, Real-Time Tracking, Machine Learning, Proactive Maintenance, Secure Payments, Data Management.

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