

Building a vehicle inspection system for cars and motorcycles entering/exiting a depot using LF RFID.

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Abstract: This topic focuses on building and deploying an automatic control system using LF RFID technology for cars and motorbikes at terminals. In the context of the increasing volume of vehicles in transit, efficient management of entry and exit at terminals is an urgent issue. The topic aims to build a system that helps reduce waiting time, improve control accuracy, and optimize operational management. Through the research process, the system is developed based on a combination of RFID theory with experiments at actual bus terminals. This system is expected to bring significant efficiency in traffic management, while providing a foundation for future solutions in the field of transportation automation.

Keywords: RFID LF, vehicle control, bus station, automation, traffic management