

Design of system model and management interface for automatic car parking lot monitoring.

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Abstract: This topic focuses on designing a system model and management interface for an automated car parking lot to meet the need for optimizing space usage effectively. The research objective is to build a system capable of automatically adjusting vehicle positions, providing smart car rental services, and monitoring stable operations 24/7. The applied method includes a combination of parking space management theory and experimental deployment of IoT technology. The expected result is to improve parking lot usability, increase operational efficiency, and enhance customer experience.

Keywords: automatic parking lot, parking lot management, IoT (Internet of Things), monitoring technology, car rental service