

Research and design of an automatic parking system model

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Abstract: In the context of increasingly rapid urbanization, the issue of efficiency in managing and utilizing parking lot space is becoming urgent. This topic focuses on researching and designing a model of an automated parking system to enhance performance through the application of IoT and AI technologies. Through the process of analysis, experimental planning, and practical application deployment, the goal of this topic is to provide an optimal solution for parking lot management, reducing waiting times and improving user experience. This result is expected to bring many practical benefits, from enhancing space utilization efficiency to contributing to the sustainable development of urban areas.

Keywords: automatic parking lot, IoT (Internet of Things), AI (Artificial Intelligence)