

Research on building a website providing smart parking lot information

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Abstract: In the context of increasing urbanization and rapid growth in the number of vehicles, effective parking lot management has become a significant challenge. This study aims to research and develop a website providing smart parking information to address this issue. Through theoretical research and experimental implementation, the system will integrate features such as automatic vehicle positioning, parking status prediction based on historical and weather data, thereby helping users easily find and arrange suitable parking spaces. This study not only contributes to improving parking management efficiency but also provides a useful solution for parking lot owners and residents during their commutes.

Keywords: Smart website, Parking lot, Parking lot management, Information technology, Automatic positioning