

Smart Parking Management System

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Abstract: *This paper proposes the smart parking management system that depends on Arduino parts, android applications. with growing, car parking increases with the number of car users. In urban areas, finding a parking spot can be frustrating. The smart parking management (SPMS) aims to solve this issue by using advanced technology this system includes sensors placed in each parking space to detect whether its occupied or free. The data from these sensors is sent to a central server that processes it in real-time.*

It allows users to reserve parking spaces of time by alerting they have a spot when they arrive. By providing real-time alerts and reservation capabilities the system improves the efficiency of urban parking. This integration of smart technologies into parking management represents a significant step toward smarter and more efficient urban infrastructure...

Keywords: Arduino UNO, IR Sensors, LCD with I2C, Servo Motors, Jumpers

