SMART PARKING

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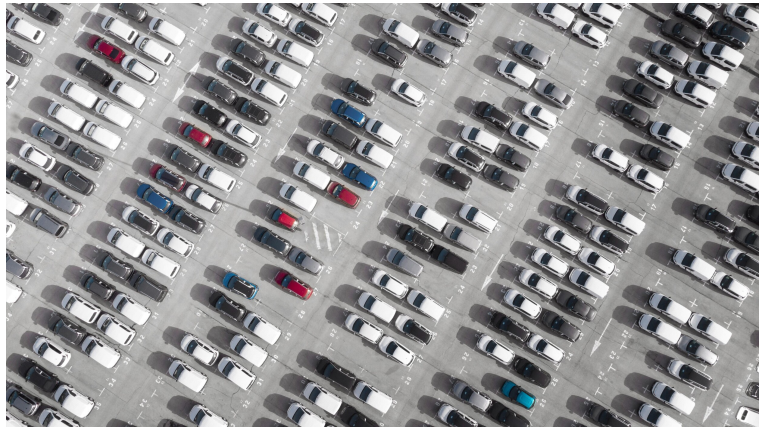
PROBLEM STATEMENT

Finding a parking space in most metropolitan areas, especially during the rush hours, is difficult for drivers. Difficulty arises from not knowing where the available spaces may be at that time traffic congestion may occur.

SOLUTION

FLORIST
SHOPSHOP



To address this issue implement the following solutions: Upgrading existing parking facilities to improve functionality and safety. Implementing innovative parking designs, such as stacking or underground parking. Improving lighting and security in parking facilities.

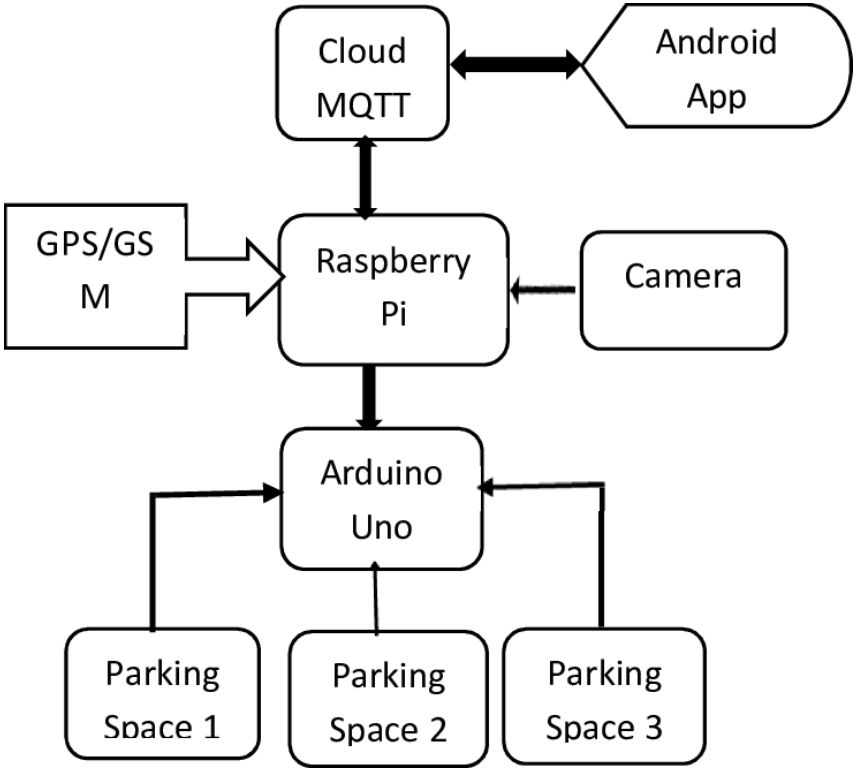
OBJECTIVE

Smart parking technologies ensure to reduce the number of cars circling around the streets for finding a parking spot. This ultimately smoothens the traffic flow and minimize the search traffic on streets as much as possible.

WORKING PRINCIPLE

In this system, a RFID reader is used at the entry point for user authentication. A GSM module is used so that the parking slot no, the duration of parking and the fee deducted from his card is sent to the user when he exits the parking space. The lights in the parking space glow only when the vehicle is present.

BLOCK DIAGRAM



Thank you