RFID for car parking

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Problem statement

In this presentation, we will explore how **RFID technology** can optimize car parking efficiency. We will discuss the benefits and implementation of RFID in parking systems.

Proposed system

Managing parking spaces efficiently is a challenge for **urban areas.** Limited space and increasing vehicles create congestion and inefficiency.
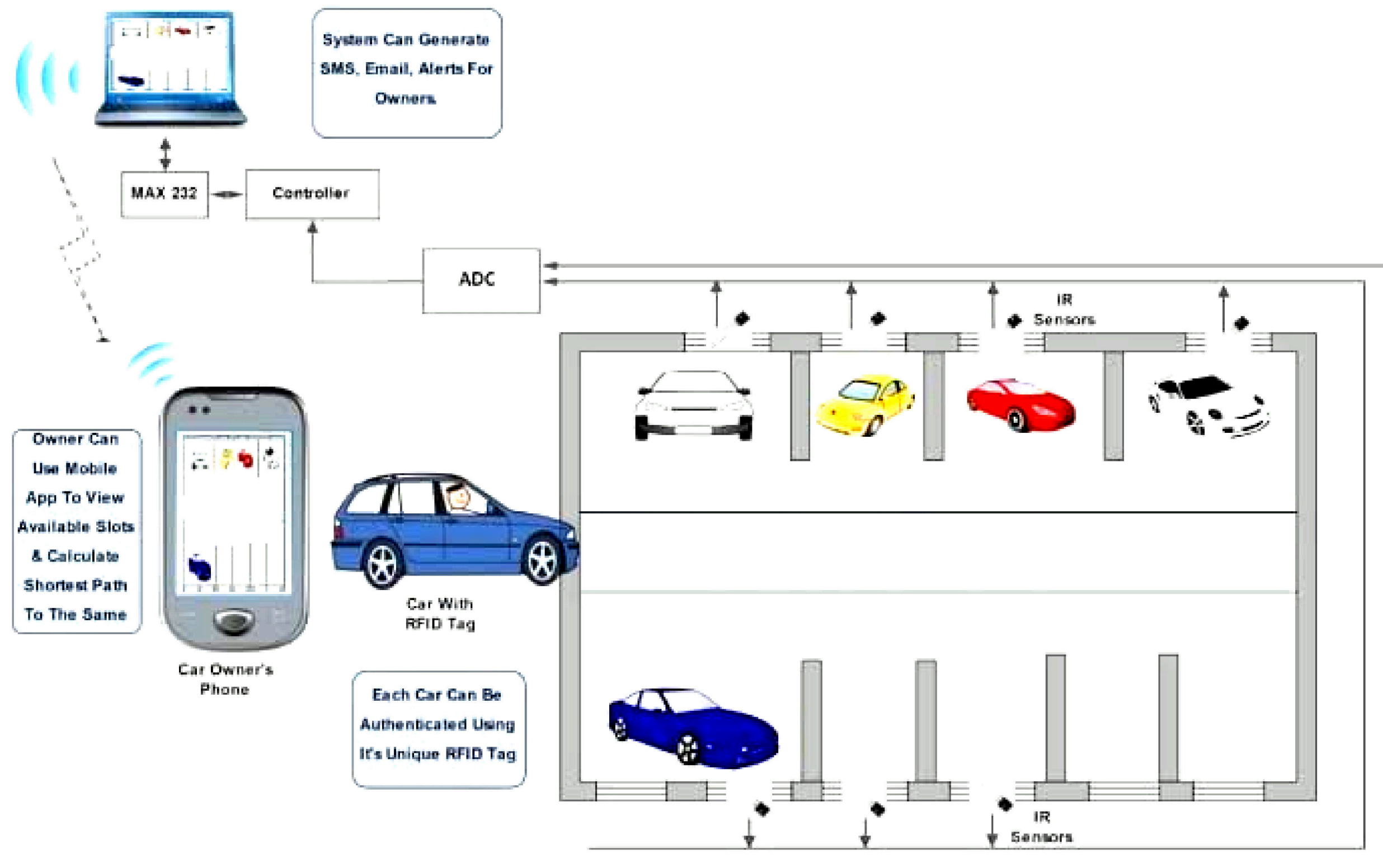
System Development Approach

Radio-Frequency Identification (RFID) technology uses electromagnetic fields to identify and track tags attached to objects, including vehicles.

Algorithm and Deployment

Implementing RFID in parking systems enables automated entry and exit, real-time occupancy monitoring, and streamlined payment processes.

Results

Conclusion

In conclusion, RFID technology offers a powerful solution for optimizing car parking efficiency, leading to reduced congestion, improved user experience, and enhanced security.

Future scope

The future of parking efficiency lies in the integration of RFID with **smart city** initiatives, autonomous vehicles, and predictive analytics.

Thanking you