



# IoT Smart Parking System

*USING RFID & ANDROID APP*

## Group 10

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# The Problem

Parking in Dhaka poses a serious challenge to the vehicle owners for there is a **huge lack of parking facilities** across this concrete jungle. This only leads to **illegal parking on the streets**, intensifying thereby the already aggravated **traffic gridlock** on the city roads.

# Key Ideas

- Automatic Parking system with **zero human intervention**.
- **RFID** Scan will be used for access **Verification**.
- **Proximity sensors** will be used to detect **empty spots**.
- **User-friendly App** to help users interact.





# Objective

***"For users to find empty parking spots and book their own conveniently using an app."***



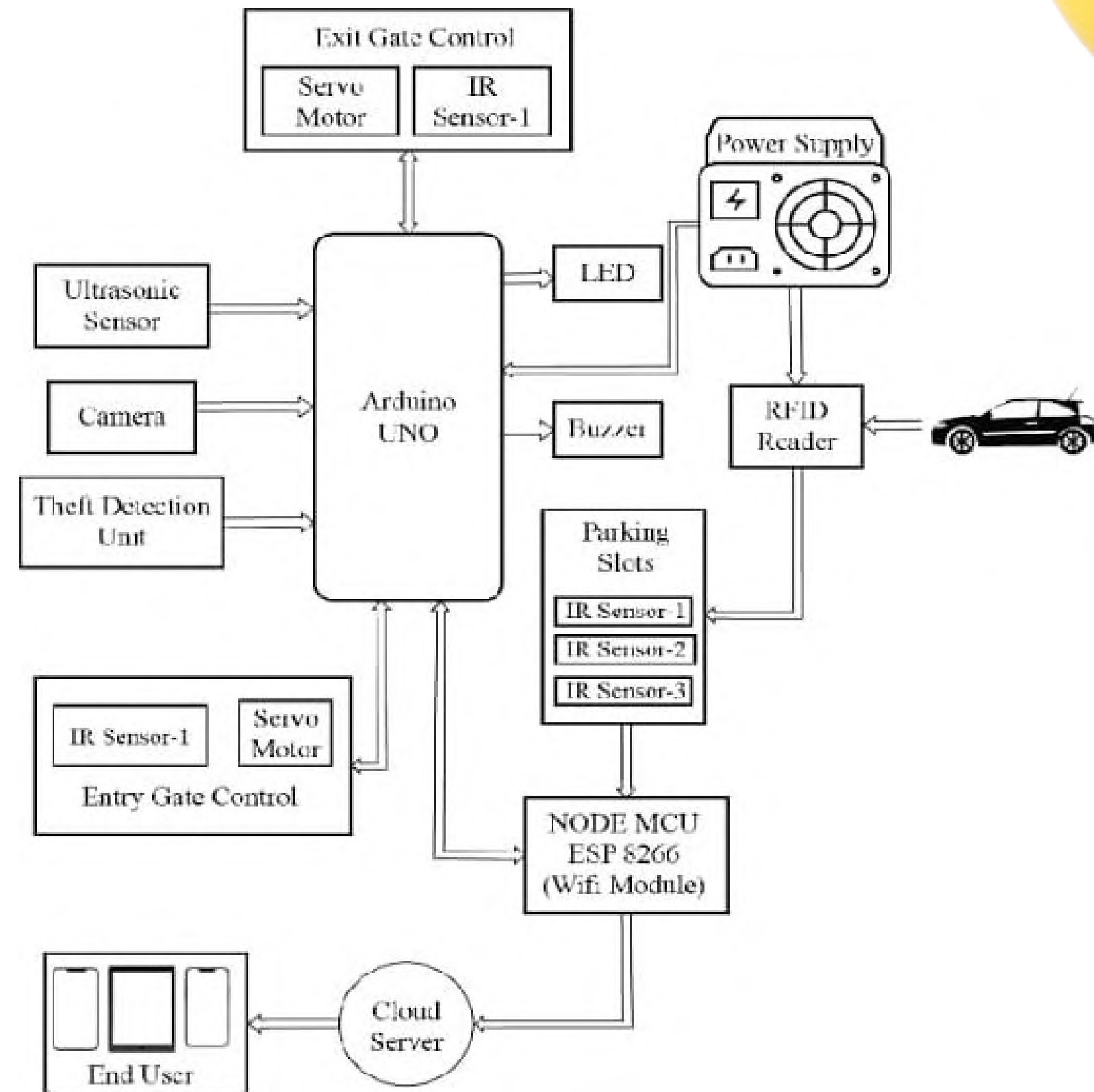
# Technologies Required:

- RFID Scanner
- ESP8266 Wi-Fi Module
- Module Motors
- IR Sensors
- Microcontroller
- Electronic Components





# Sample Project Flow Diagram





# Thank you!

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