## SMART PARKING SYSTEM USING IOT

### Objective

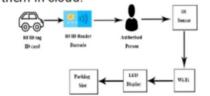
A vehicle parking system that helps drivers find a vacant spot. Using sensors in each parking space that detect the presence or absence of a vehicle, sings direct incoming drivers to available locations.

#### Need Of Smart Parking

This ever growing traffic congestion and Components And Working uncertainty in the parking availability and payment have thus enforced the need for a smart parking system.

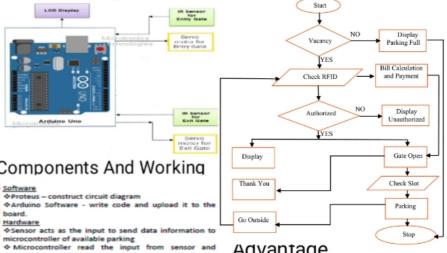
#### IOT Parking System

This IOT-Based parking system is created by using controllers ,sensors, servers and cloud. Controllers and sensors will be placed on the ceiling of each parking slot to detect the presence of a car. Server collect the results of the sensors and stor Circuit Diagram them in cloud.



#### **Block Diagram**

## Flow Chart



Advantage

traffic flow.

A smart parking technology will help optimise parking space usage,

improve the efficiency of the parking

operations and help the smoother

board.

determine available parking and priority parking given to the vehicles user.

LCD display show the parking lot number to be given

♦ LED are used to acknowledge the u their parking spot. ♦ RFID reader acts as input that will re-card of vehicle user

♦Servo Motor acts as the receive signal from micros

# Final Result