

Automatic Car Parking System.

About This Project:

This Project Automatic Car Parking To Owner. Car parking issues have some problems with how to control the number of the car inside it, how to monitor the movement in/outside of the parking lot, how to check whether there is a place inside for more cars or not and the safety to park . The aim of this project is to solve these problems by designing a system to control the parking area using a microcontroller. The microcontroller serves as a programming tool to run the whole operation to reduce the cost in terms of requirements such as job opportunity and to increase security. Moreover, this system is faster, flexible and can meet market needs.

Block Diagram:

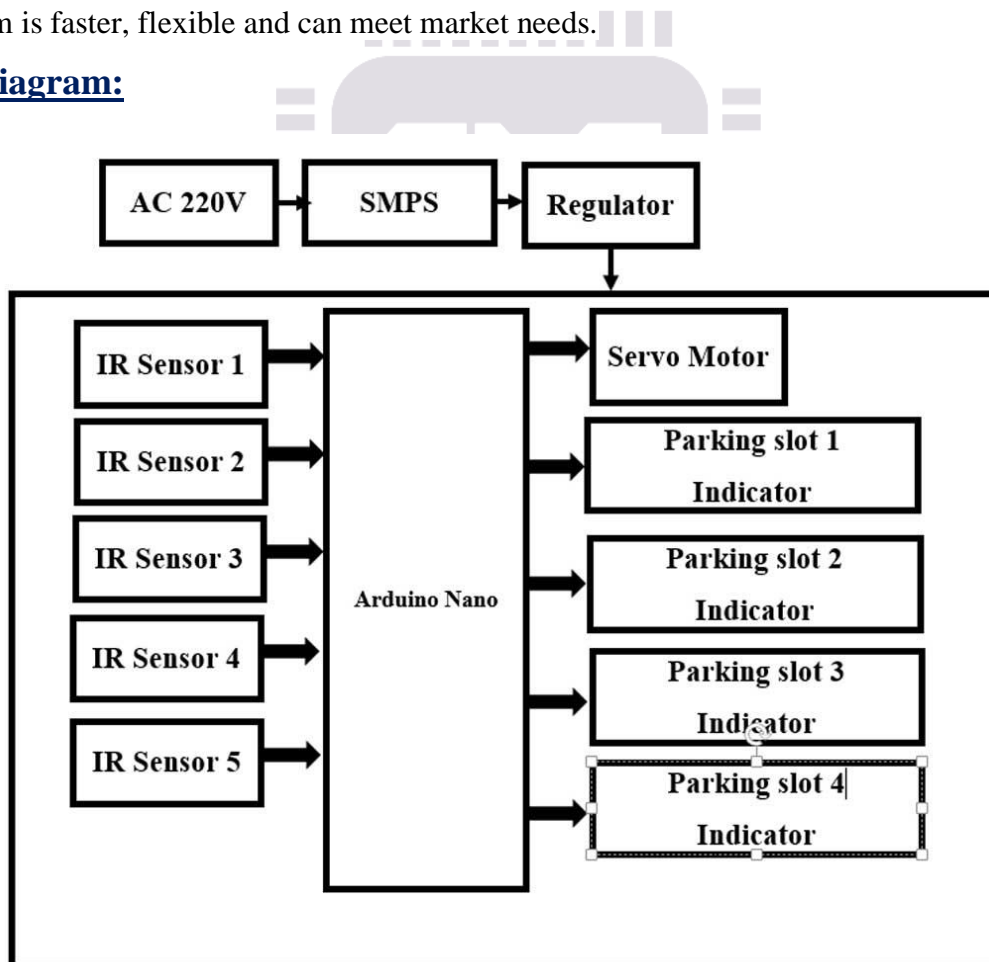


Figure: Block Diagram of Automatic Car Parking System.

Required Instrument:

- Arduino Nano
- IR Sensor
- Servo Motor
- LED
- SMPS.

Advantages:

There are many advantages of the project. Some of these are given below:

- Easy to Use this system.
- User Know the car limit's from outside of parking slot .
- Parking space can be used properly
- Cost Effective.

Applications:

This project has applications in many fields due its necessity. We have selected a few of them and they are given below:

- It can be used in any educational institutions
- It can be used in any industry or corporate offices
- It can be used in Hospitals
- It can be used to identify parking lot space.
- It can be used in residential areas

[N.B: Any modification of this project can be done as per your requirement. We will make the project according to your needs. Contact us with your any innovative engineering projects idea. We will help you to implement/developed your project.]

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