

# **IOT BASED SMART GATE**

## **Synopsis**



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## **INTRODUCTION:-**

The aim is to make a gate to protect people from corona at gates because where ever we go every one checks our temperature first. At that time some people touches each other by mistakenly. By this gate they can maintain distance from each other.

In this gate we have mlx 90614 sensor for checking temperature, ultrasonic sensor for distance mapping, servo motor for open the gate automatically and we have a device in which we have a data for that person who passes the gate.

## **EXISTING SYSTEM:-**

At that time we have a machinelike this but in this gate we have a servo motor which open gate automatically with in certain temperature.

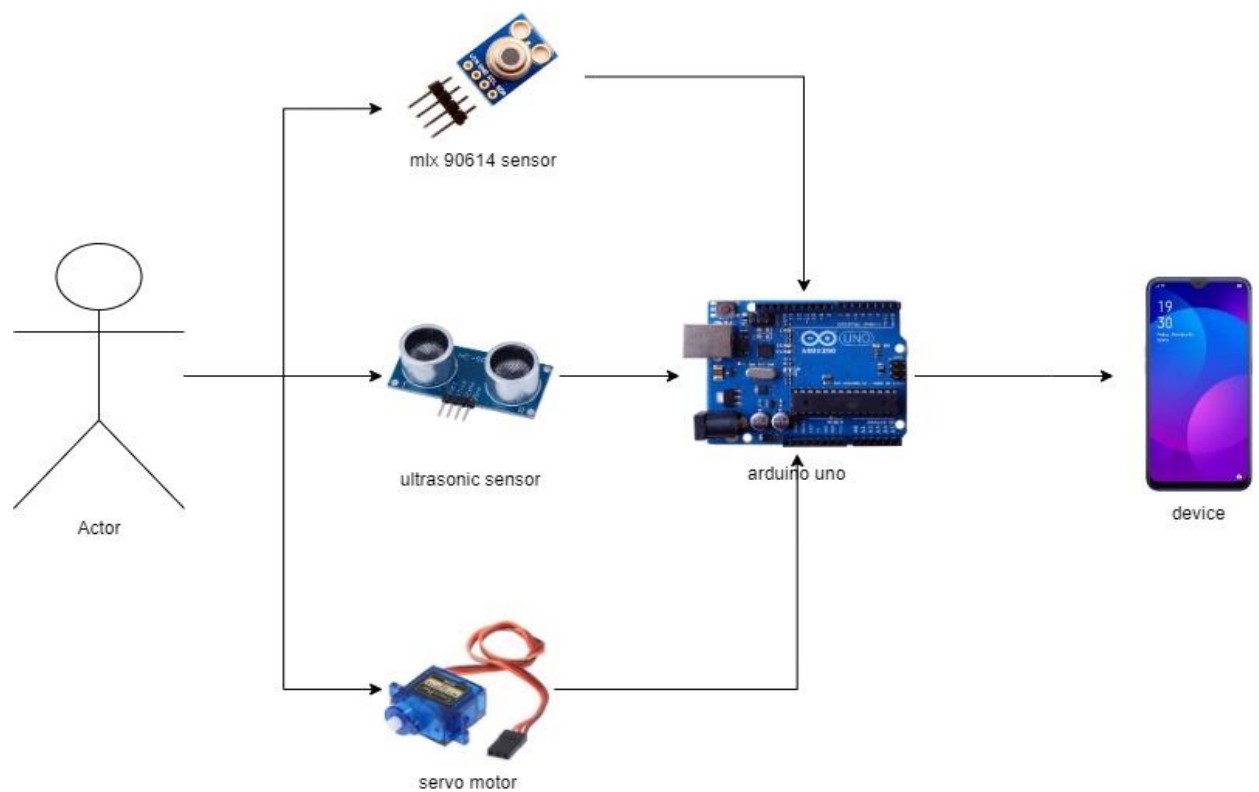
## **OBJECTIVE OF THE PROJECT:-**

The main objective is to protect our family members and other people from corona virus.

## METHODOLOGY:-

When any person passes through this gate it will identify the persons body temperature if temperature is within a certain range then servo motor open the gate.

## Layout:-



## **SOFTWARE REQUIRMENTS:-**

- Windows 7 or Higher
- Any operating systems
- Any android mobile phone

## **HARDWARE REQUIRMENTS:-**

- Servo motor
- MLX 90614 sensor
- Arduino uno
- Ultra sonic sensor

Etc.

## **Future Scope:-**

- We can use it in many places like hotels, restaurants, malls, banks.  
Etc.
- It can save many people from corona.
- It reduces labour.

## **CONCULSION:-**

At the end of this project, we will get a fully functional smart gate.

## **WEBSITE REFERENCE:-**

[www.google.com](http://www.google.com)