

Date	01 May 2023
Team ID	NM2023TMID00662
Project Name	Assignment I
Maximum Marks	

IOT ASSIGNMENT

[SERVO MOTOR FOR DOOR LOCK SYSTEM]

WOKWI LINK:

<https://wokwi.com/projects/362679054878684161>

PROJECT CODE:

```
#include <Servo.h>int
pir=3;
int led1=7;int
led2=6;
int ServoPin=4;int
detect=0; int
buzzer=8; Servo
myServo;void
setup()
{
  pinMode(pir, INPUT);
  pinMode(led1, OUTPUT);
  pinMode(led2, OUTPUT);
  pinMode(buzzer, OUTPUT);
```

```
Serial.begin(115200);  
myServo.attach(ServoPin);  
myServo.write(0);  
}
```

```
void loop()
{
  detect=digitalRead(pir);
  if(detect==HIGH)
  {
    tone(buzzer,2000);
    delay(200); digitalWrite(led1,
    HIGH);noTone(buzzer);
    myServo.write(100);
    delay(10000);
    digitalWrite(led1, LOW);
    myServo.write(0);
  }
  Else
  {
    myServo.write(0);
    digitalWrite(led1, LOW);
    delay(1000); digitalWrite(led2,
    HIGH);delay(150);
    digitalWrite(led2, LOW);
  }
}
```

PROJECT OUTLOOK:



