

## Assignment -1

### Home Automation

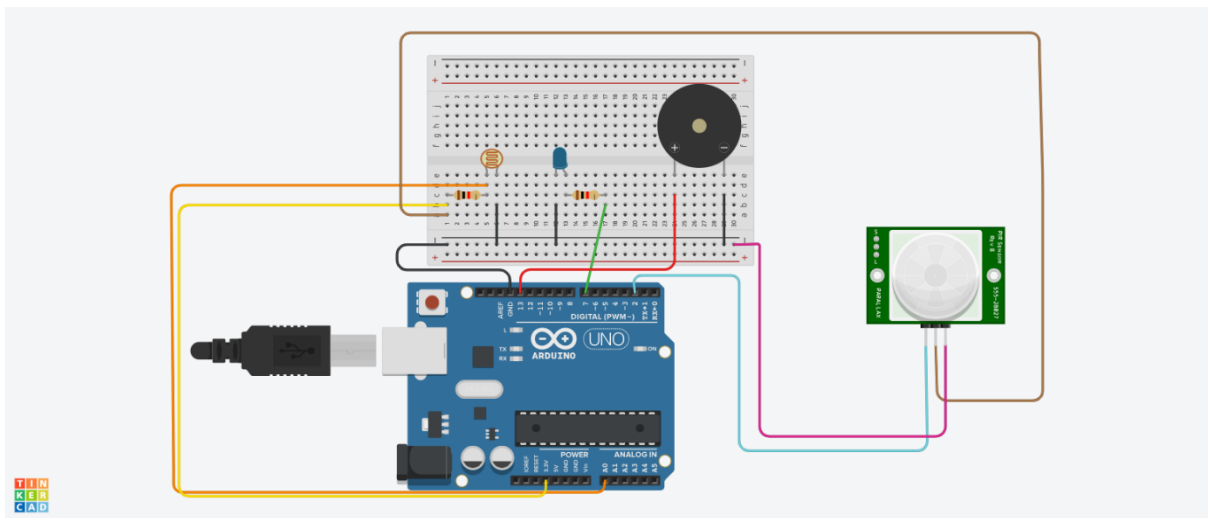
Assignment Date	17 September 2022
Student Name	Ms.Keerthana dhananchezian
Student Roll Number	510119106005
Maximum Marks	2 Marks

#### Question:

Home automation using 2 or 3 sensors ,buzzer and LED.

#### Solution:

**Circuit: Touchless door bell and automatic night lamp**



#### Coding:

```
void setup()
{
  Serial.begin(9600);
  pinMode(7,OUTPUT);
  pinMode(2,INPUT);
  pinMode(13,OUTPUT);
}
void loop()
{
  int c = analogRead(A0);
  Serial.println(c);
  if(c<500)
  {
    digitalWrite(7,LOW);
```

```
}  
else  
{  
    digitalWrite(7,HIGH);  
}  
{  
    if(digitalRead(2)==HIGH)  
    {  
        digitalWrite(13,HIGH);  
    }  
    else  
    {  
        digitalWrite(13,LOW);  
    }  
}  
}
```