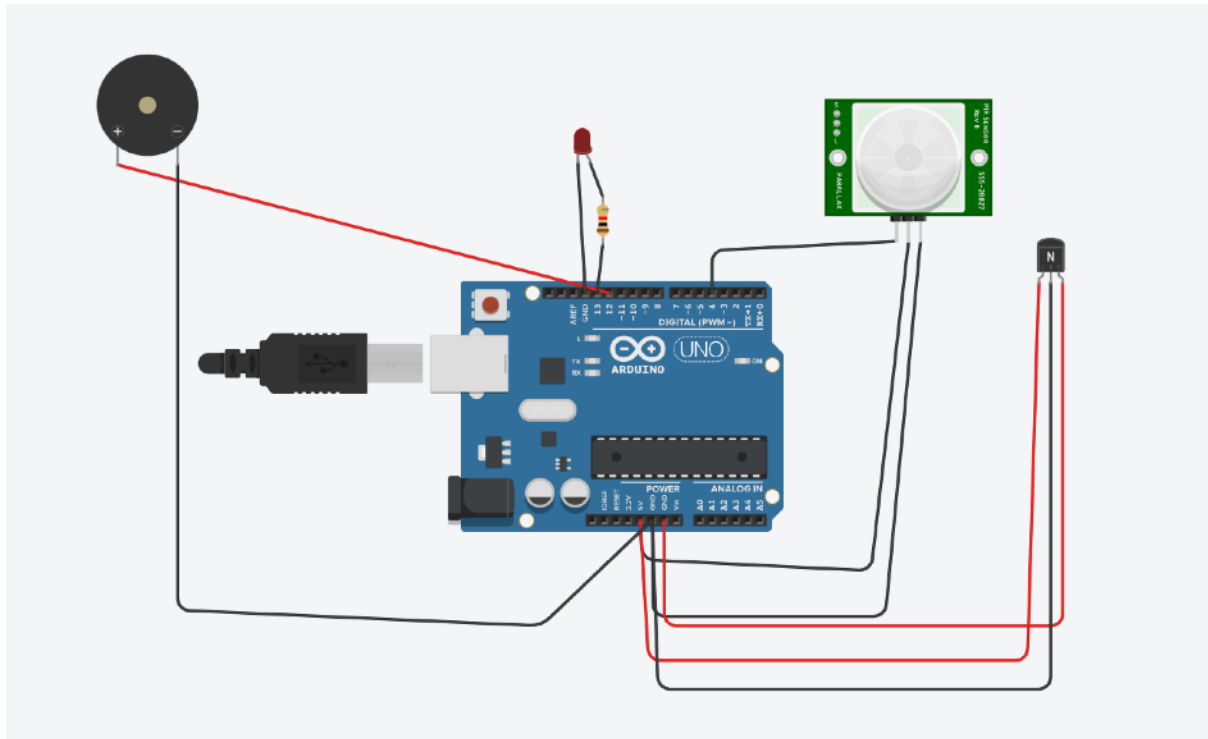


## Assignment 1 : Home Automation (Motion Capture – Security)

Assignment date	19 September 2022
Student name	Akash M Rao
Student name	910619106003
Max marks	2



```
void setup()
{
  Serial.begin(9600);
  pinMode(4,INPUT);
  pinMode(13,OUTPUT);
  pinMode(12,OUTPUT);
}

void loop()
{
  double p = digitalRead(4);
  Serial.println(p);
}
```

```
digitalWrite(13,LOW);  
double a=analogRead(A0);  
double t=((a/1024)*5)-0.5)*100;  
Serial.print("TEMP value:");  
Serial.println(t);  
delay(1000);
```

```
if(p)  
{  
    Serial.println("Motion detected!!!");  
    digitalWrite(13,HIGH);  
    digitalWrite(12,HIGH);  
}  
delay(1000);  
}
```