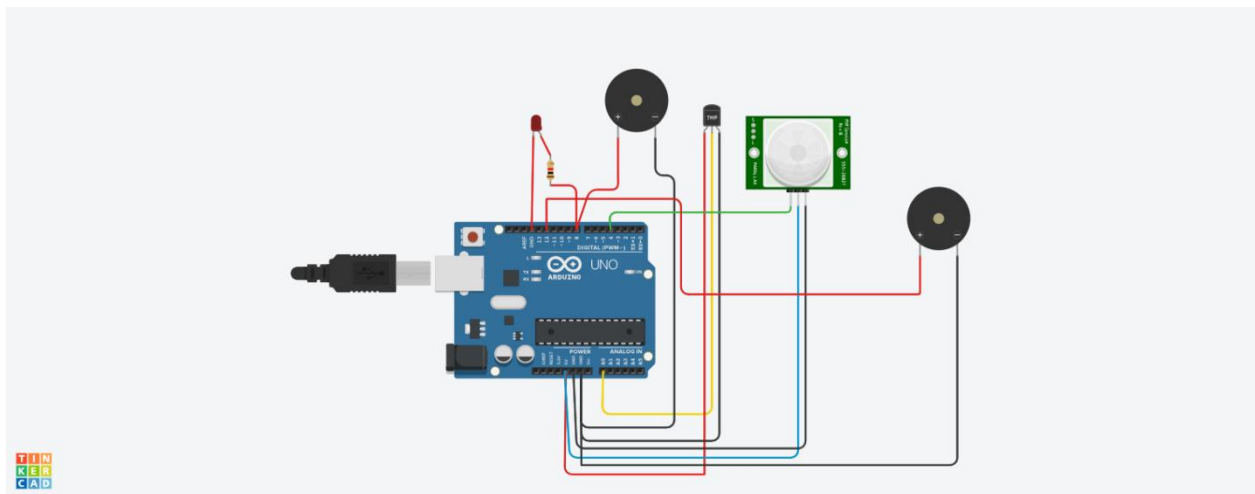


ASSIGNMENT-1

Team ID	PNT2022TMID44430
REG.NO	731219106009
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE .
Assignment -1	Make a smart home in tinkercad, using 2+sensors ,LED,buzzer in single code and circuit.



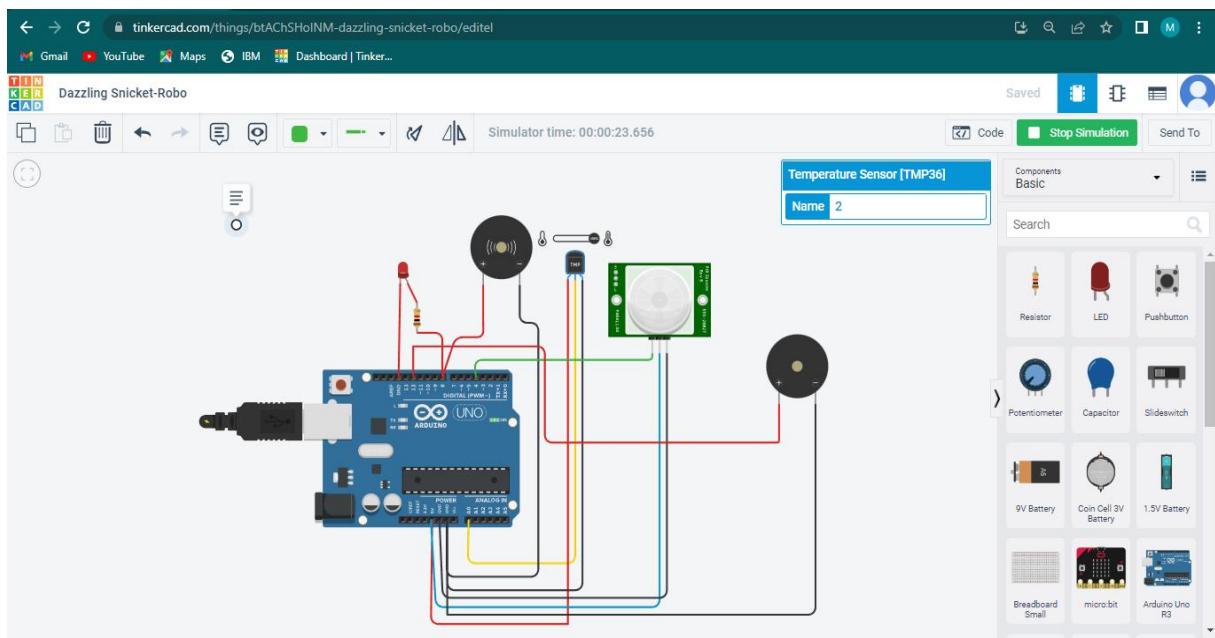
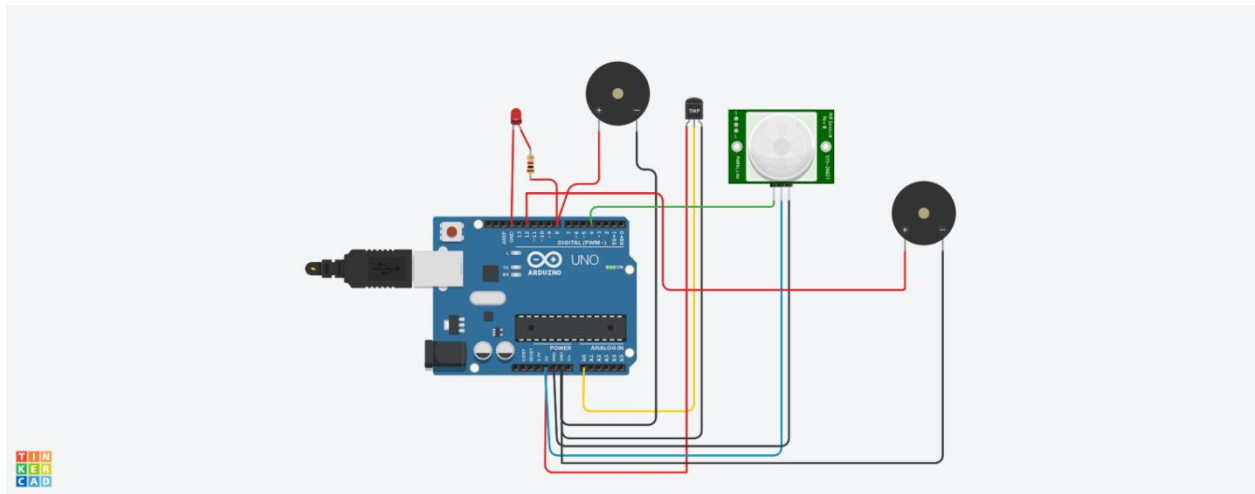
PROGRAM :

```
//Home automation
//buzzer
void setup()
{
  pinMode(12, OUTPUT);//for pir sensor o/p buzzer
  pinMode(8, OUTPUT);//for temp sensor o/p buzzer
  pinMode(4, INPUT);//feeding i/p to arduino from pir sensor
```

```
Serial.begin(9600);  
pinMode(13, OUTPUT);  
}  
void loop()  
{  
  //pir sensor  
  int p=digitalRead(4);  
  delay(20);  
  if(p)  
  {  
    tone(12,800);//if motion detected the buzzer will rung  
    delay(500);  
    noTone(12);  
    delay(100);  
  }  
  //temp sensor  
  double t=analogRead(A0);  
  double e=((t/1024)*5)-0.5)*100;  
  Serial.println(e);  
  delay(200);  
  if(e>25)  
  {  
    tone(8,9000);//if temperature greater than 50 deg the buzzer will rung  
    delay(500);  
    noTone(8);  
    delay(100);  
  }  
}
```

OUTPUT :

TEMPERATURE SENSOR:



PIR SENSOR :

