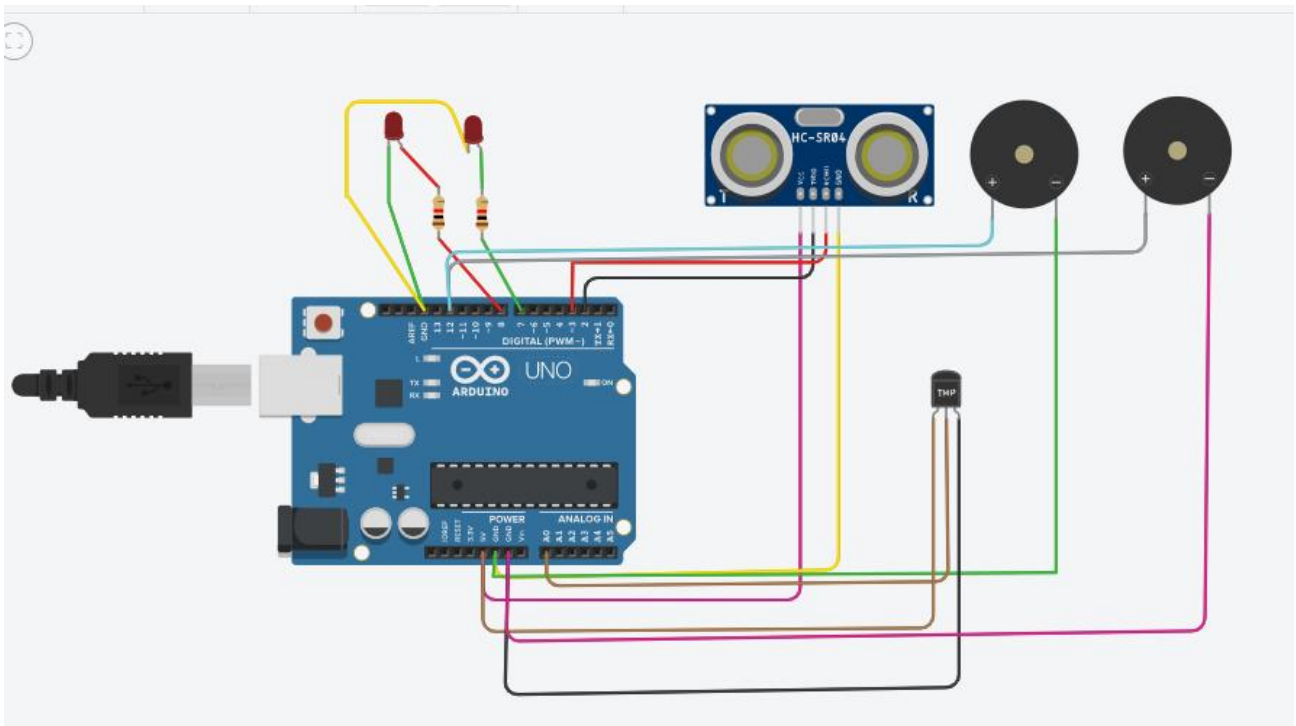


ASSIGNMENT

REG.NO	731219106004
TEAM ID	PNT2022TMID44437
PROJECT NAME	SmartFarmer-IOT Enabled Smart Farming Application

ASSIGNMENT-1: Make a smart Home in Tinkercad,using 2sensors,LED,Buzzer in single code and circuit.



Coding:

```
int t=2;
int e=3;

void
setup(){ Serial.begin(9
600);
pinMode(t,OUTPUT);
pinMode(e,INPUT);
```

```

pinMode(12,OUTPUT);
}void
loop(){ digitalWrite(t,L
OW);
digitalWrite(t,HIGH);
delayMicroseconds(10);
digitalWrite(t,LOW);
float dur=(e,HIGH);

float dis=(dur*0.0343)/2;
Serial.print("Distanceis");
Serial.println('dis');
if(dis>=100){ digitalWrite(
8,HIGH);
digitalWrite(7,HIGH);
}
if(dis>=100)
{
for(int i=0;i<=30000;i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}
double a= analogRead(A0);
double t=((a/1024)*5)-0.5)*100;
Serial.print("Temp Value");
Serial.println(t);
delay(1000);
if(t>=100) {
digitalWrite(8,HIGH);
digitalWrite(7,HIGH);
}
if(t=100)
{
for(int i=0; i<=30000;i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}
if(t<100)
{
digitalWrite(8,LOW);
digitalWrite(7,LOW);
}
}

```

Output:

