

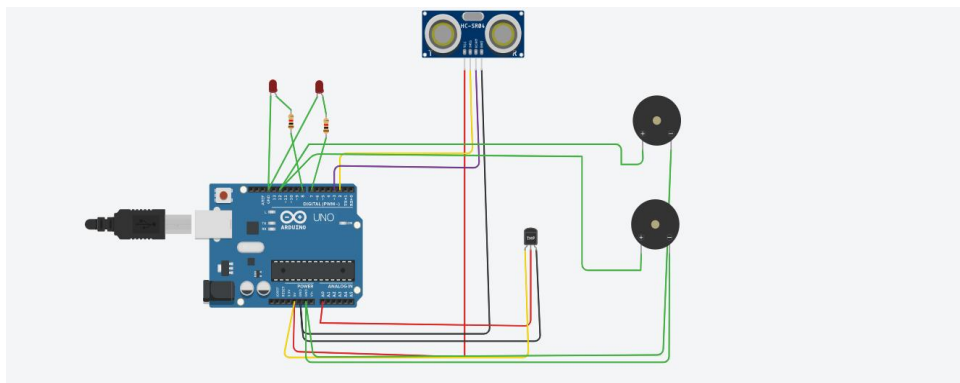
ASSIGNMENT-1

REG NO:	731219106016
BATCH ID:	PNT2022TMID44437
PROJECT NAME:	SmartFarmer-IOT Enabled Smart Farming Application

ASSIGNMENT-1:

make a smart Home in Tinkercad,using 2sensor,LED,Buzzer in single code and Circuit

CIRCUIT:



PROGRAM:

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

void setup(){
  Serial.begin(9600);
  pinMode(t,OUTPUT);
  pinMode(e,INPUT);
  pinMode(12,OUTPUT);
}void loop(){
  digitalWrite(t,LOW);
  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=1+10)
    {
```

```

tone(12,1);
delay(1000);
noTone(13);
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:

