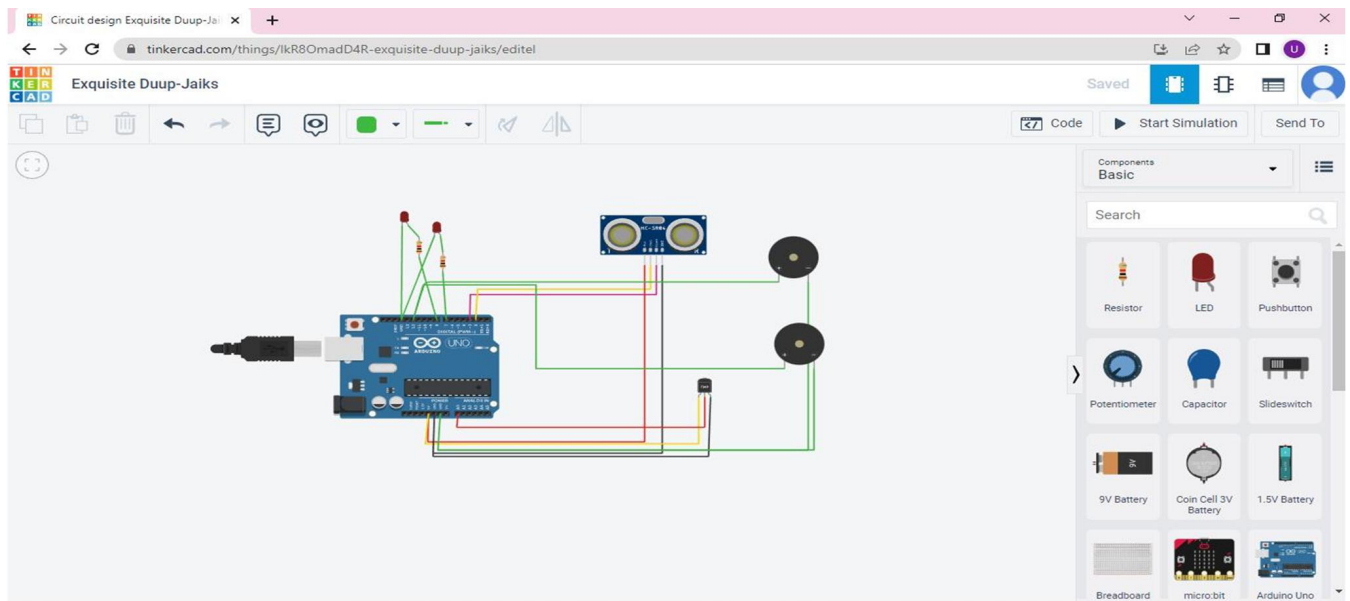
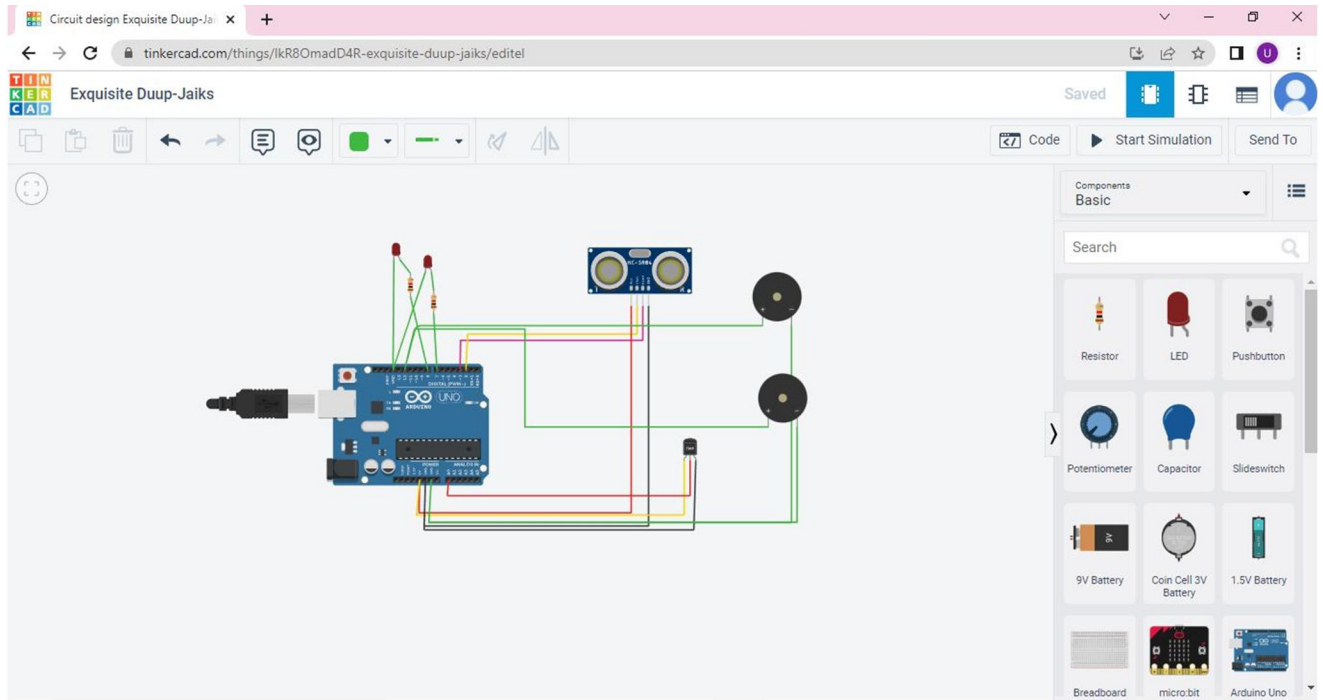


ASSIGNMENT -1

TEAM ID	PNT2022TMID44431
REGISTER NUMBER	731219106021
PROJECT NAME	GAS LEAKAGE MONITORING AND ALERTING SYSTEM.
ASSINMENT -1	MAKE A SMART HOME IN TINKERCAD,USING 2+ SENSORS,LED,BUZZER IN SINGLE CODE AND CIRCUIT .





PROGRAM :

```
int t=2;
```

```
int e=3;
```

```
void setup(){
```

```
  Serial.begin(9600);
```

```
  pinMode(t,OUTPUT);
```

```
  pinMode(e,INPUT);
```

```
  pinMode(12,OUTPUT);
```

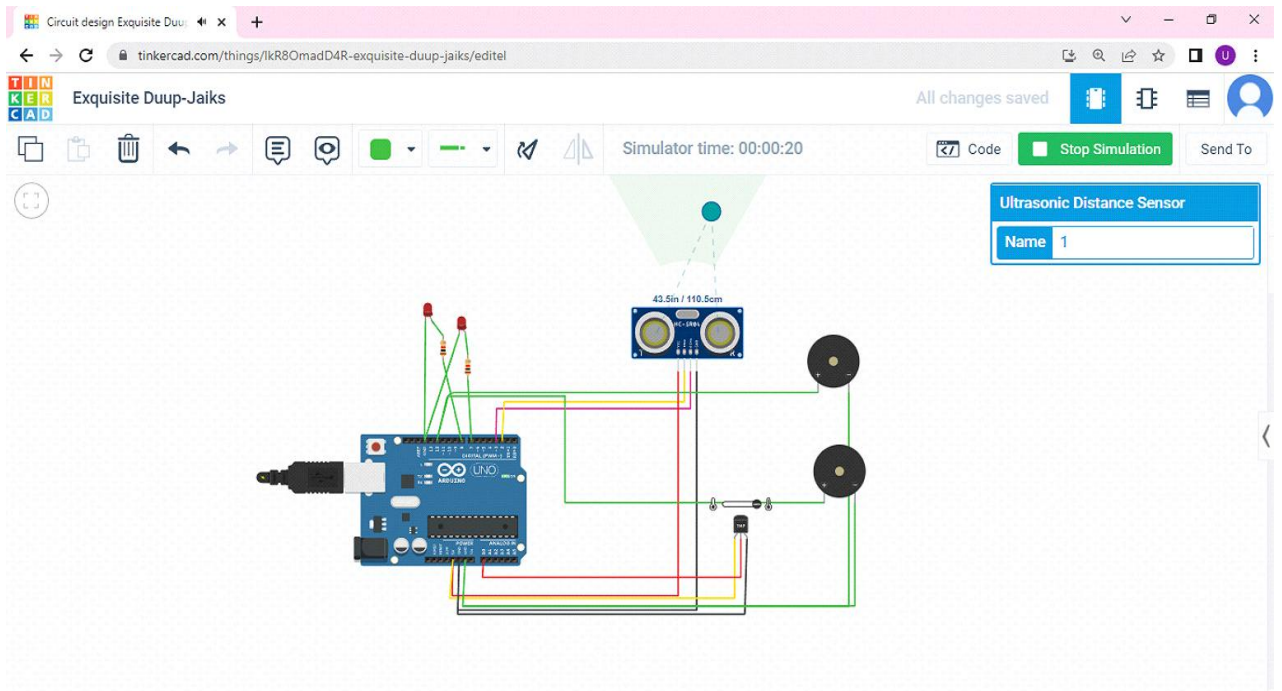
```
}void loop(){  
  digitalWrite(t,LOW);  
  digitalWrite(t,HIGH);  
  delayMicroseconds(10);  
  digitalWrite(t,LOW);  
  float dur=(e,HIGH);  
  float dis=(dur*0.0343)/2;  
  Serial.print("Distanceis");  
  Serial.println('dis');  
  if(dis>=100) {  
    digitalWrite(8,HIGH);  
    digitalWrite(7,HIGH);  
  }  
  if(dis>=100)  
  {  
    for(int i=0;i<=30000;i=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<3000;i=i+10)  
{  
tone(12,i);  
delay(1000);
```

```
noTone(12);  
delay(1000);  
}  
}  
if(t<100)  
{  
digitalWrite(8,LOW);  
digitalWrite(7,LOW);  
}  
}
```

OUTPUT :

ULTRASONIC SENSOR :



TEMPERATURE SENSOR :

