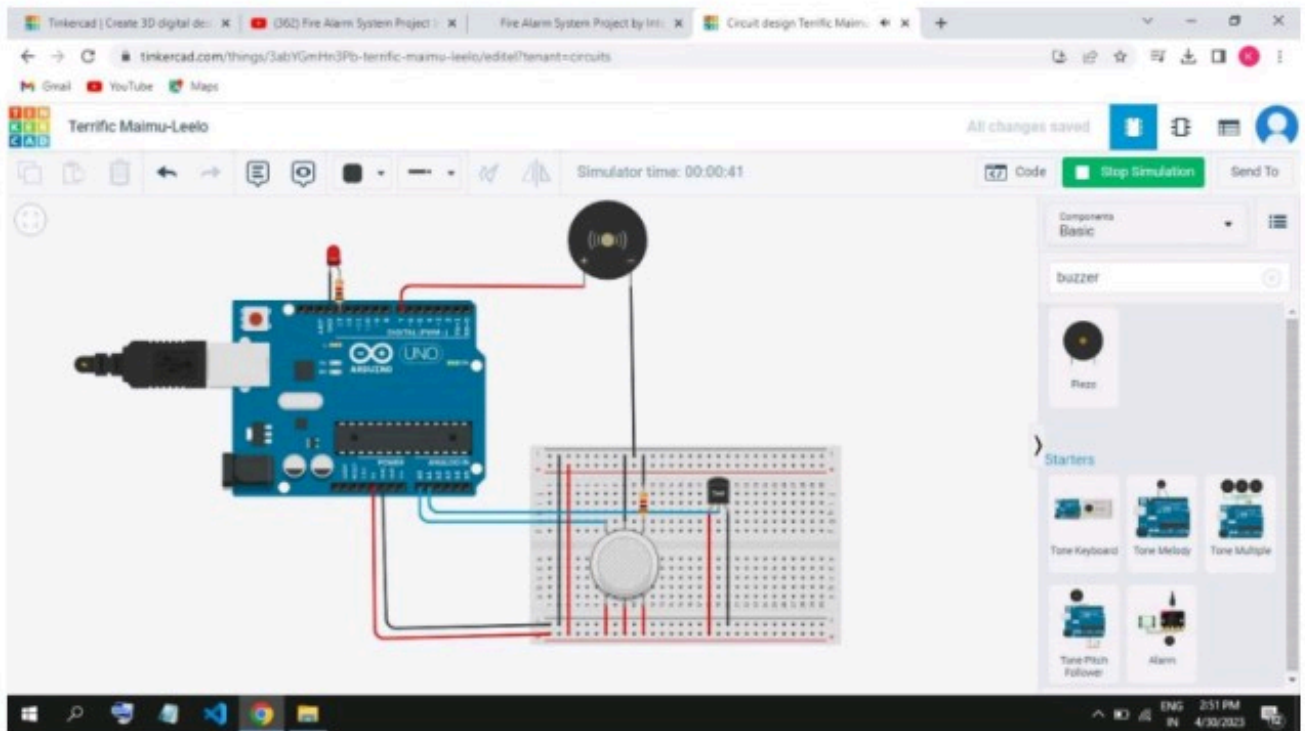Terrific Maimu-Leelo                                    All changes saved

Component List                                                        📄 Download CSV

| Name | Quantity | Component |
| --- | --- | --- |
| U1 | 1 | Arduino Uno R3 |
| D1 | 1 | Red LED |
| R3 R1 | 2 | 1 kΩ Resistor |
| GAS1 | 1 | Gas Sensor |
| U2 | 1 | Temperature Sensor [TMP36] |
| PIEZO1 | 1 | Piezo |

;
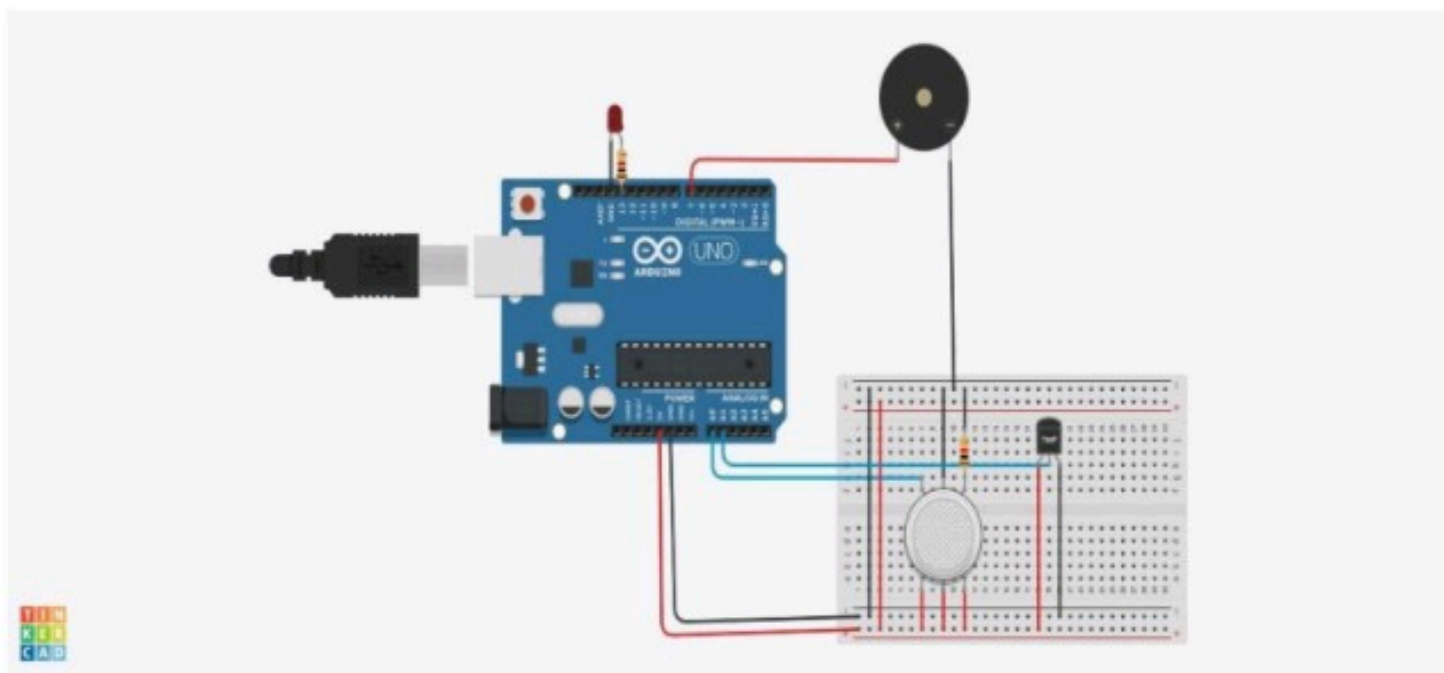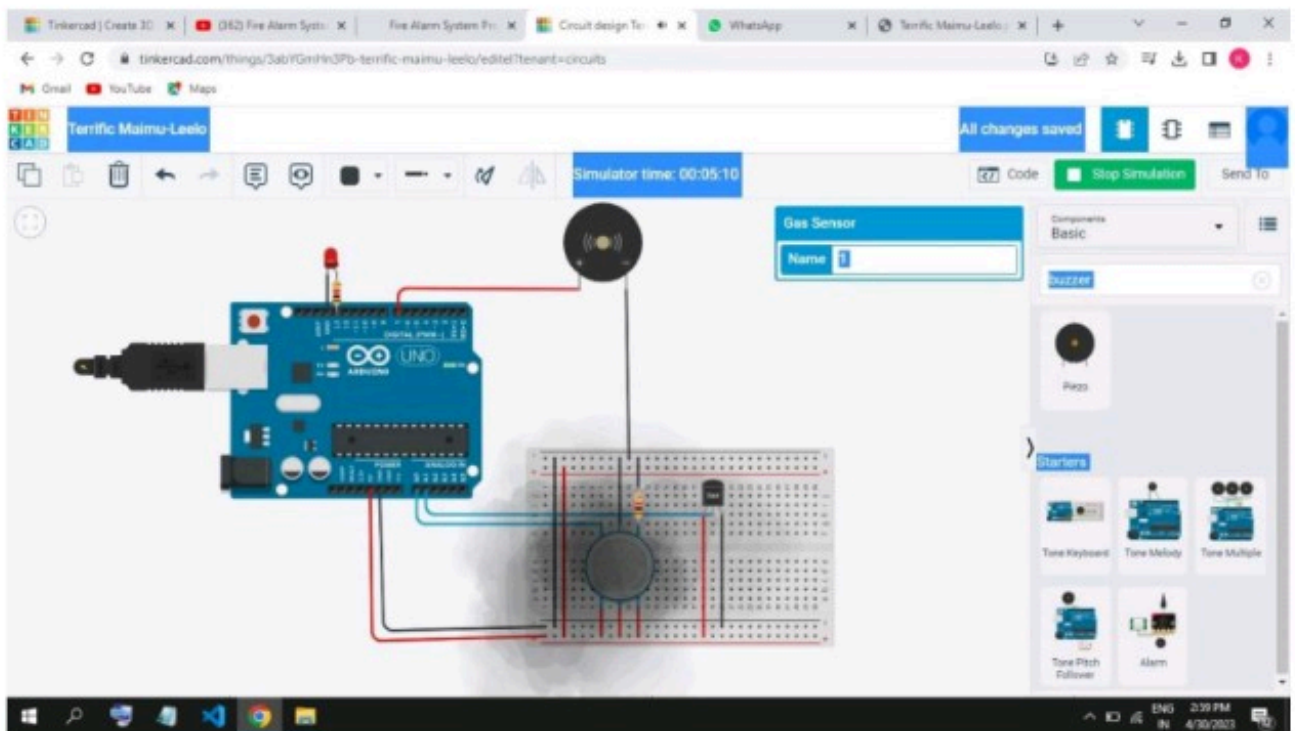
```
float vout;

float temp;

float vout1;

int LED=13;


int gasSensor;

int piezo=7;


void setup()

{

 pinMode(A0,INPUT);

 pinMode(A1,INPUT);

 pinMode(LED,OUTPUT);

 pinMode(piezo,OUTPUT);

 Serial.begin(9600);

}

void loop()

{

 vout=analogRead(A1);

 vout1=(vout/1023)*5000;

 temp=(vout1-500)/10;

 gasSensor=analogRead(A0);

 if(temp>=80)

 {

  digitalWrite(LED,HIGH);

 }

 else

 {
```

```
    digitalWrite(LED,LOW);
  }
if(gasSensor>=100)
{
  digitalWrite(piezo,HIGH);
}
else
{
  digitalWrite(piezo,LOW);
}
Serial.print("in DegreeC=");
Serial.print(" ");
Serial.print(temp);
Serial.print("\t");
Serial.print("GasSensor= ");
Serial.print(" ");
Serial.print(gasSensor);
Serial.println();
delay(1000);
}
```