

Tinkercad | Create 3D digital de... X (362) Fire Alarm System Project X Fire Alarm System Project by In... X Circuit design Terrific Maimu-Leelo X

tinkercad.com/things/3abYGmHn3Pb-terrific-maimu-leelo/edited?tenant=circuits

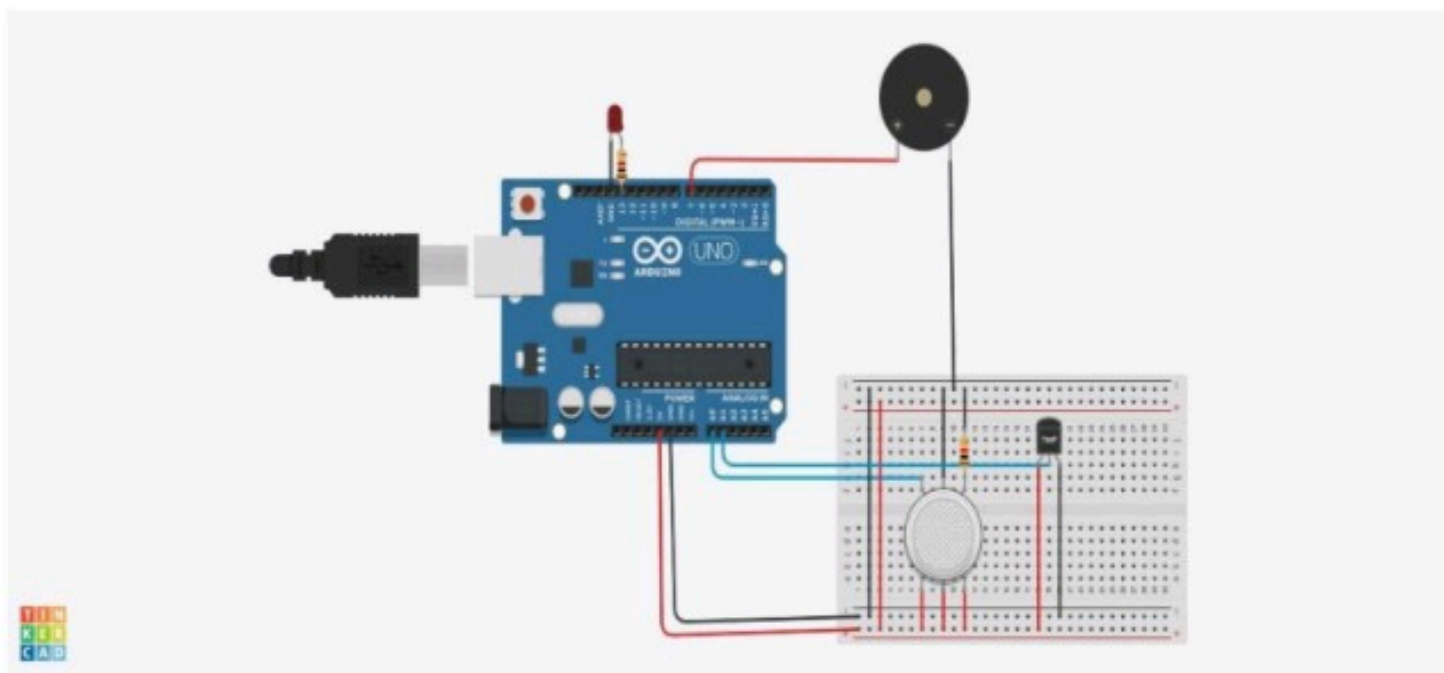
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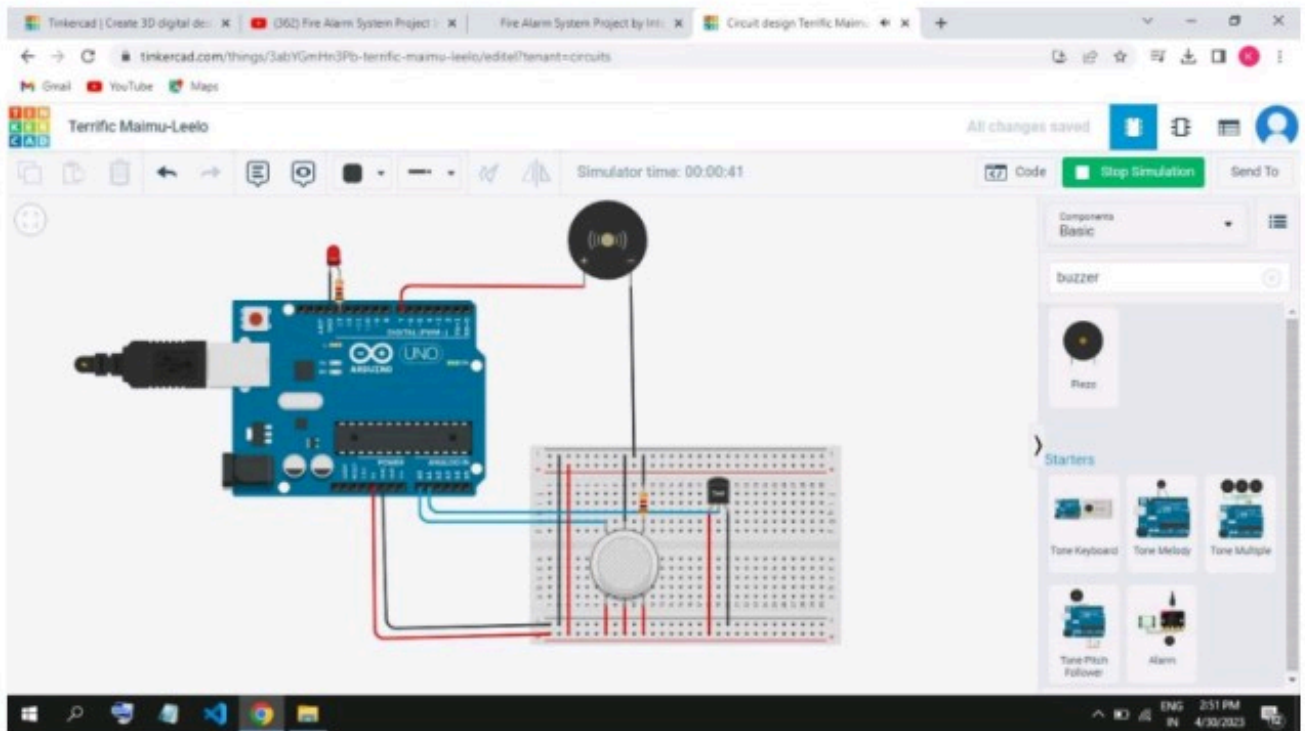
Terrific Maimu-Leelo All changes saved

Component List Download CSV

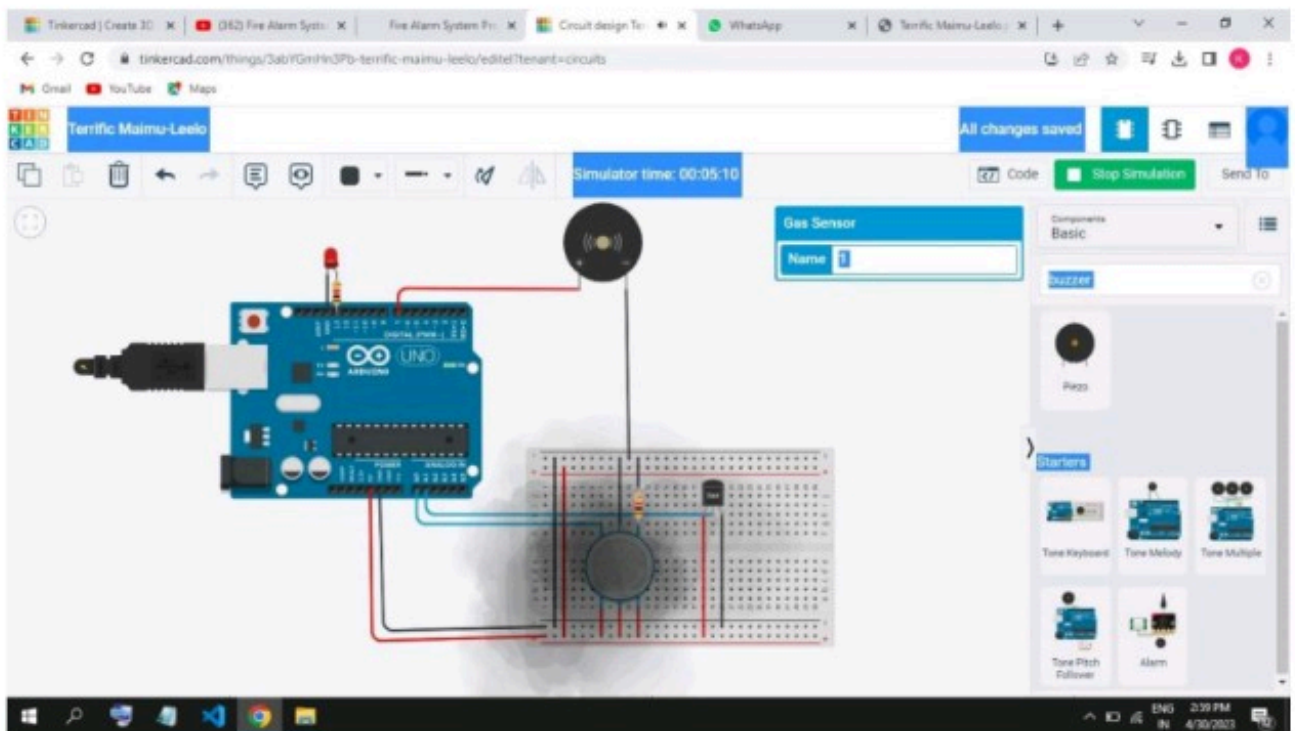
Name	Quantity	Component
U1	1	Arduino Uno R3
D1	1	Red LED
R3 R1	2	1 kΩ Resistor
GAS1	1	Gas Sensor
U2	1	Temperature Sensor [TMP36]
PIEZ01	1	Piezo

Windows taskbar: 2:18 PM 4/30/2023





;



Code:

```
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);
}
```