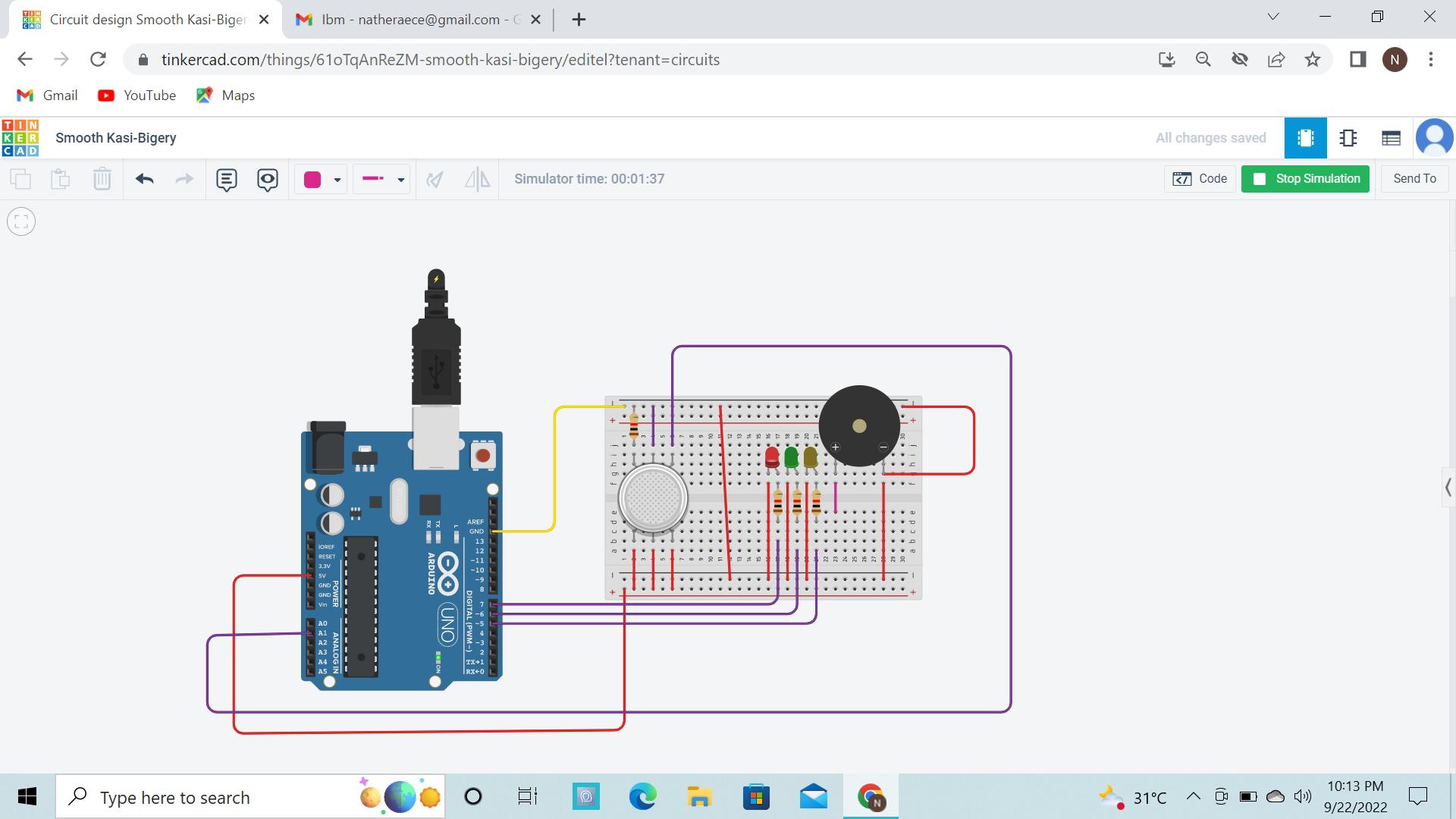
**SMOKE ALARM IN TINKERCAD USING IOT**

**Smoke alarm in tinkercad using arduino in iot**

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**Components**

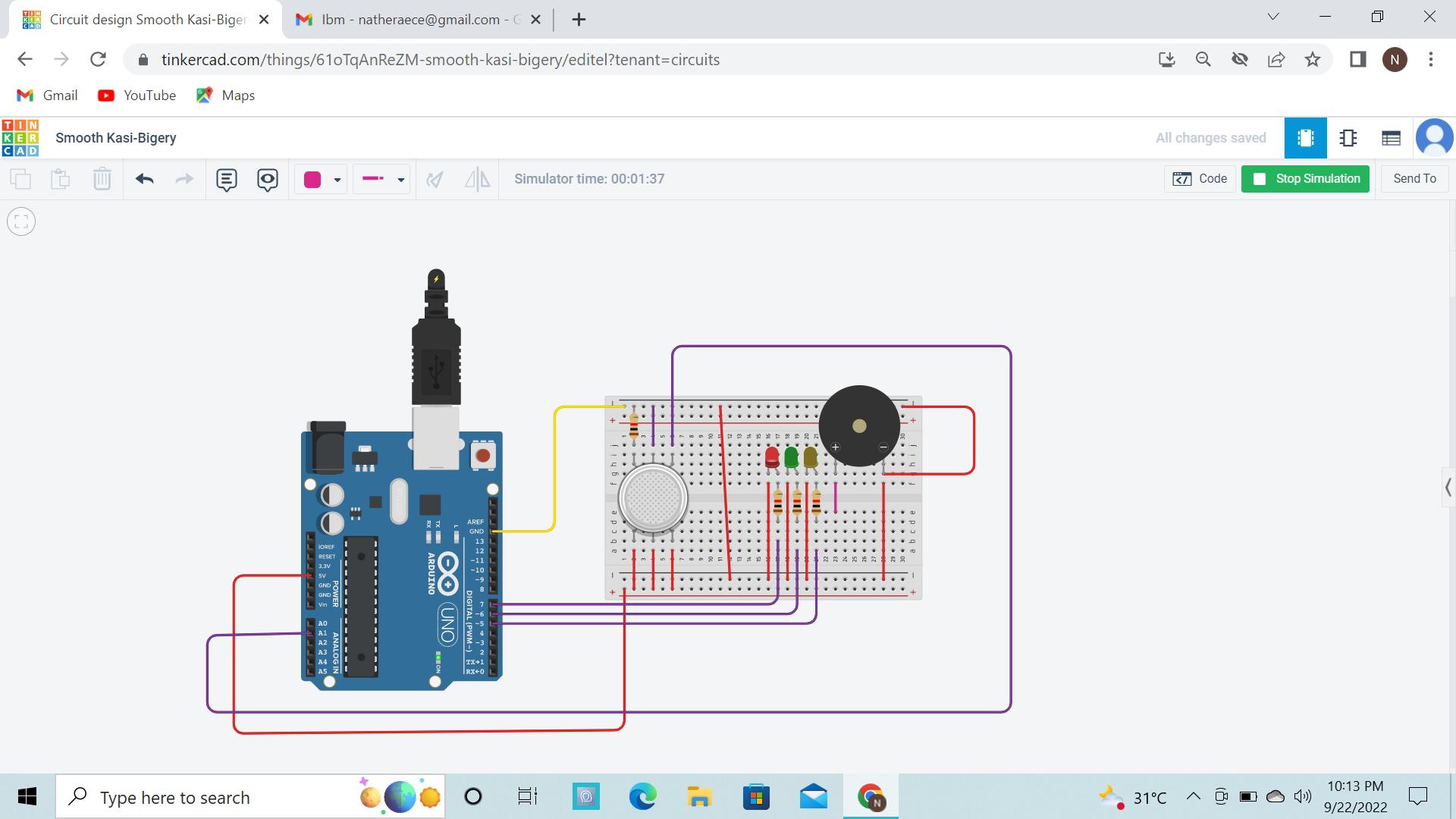
**Arduino**

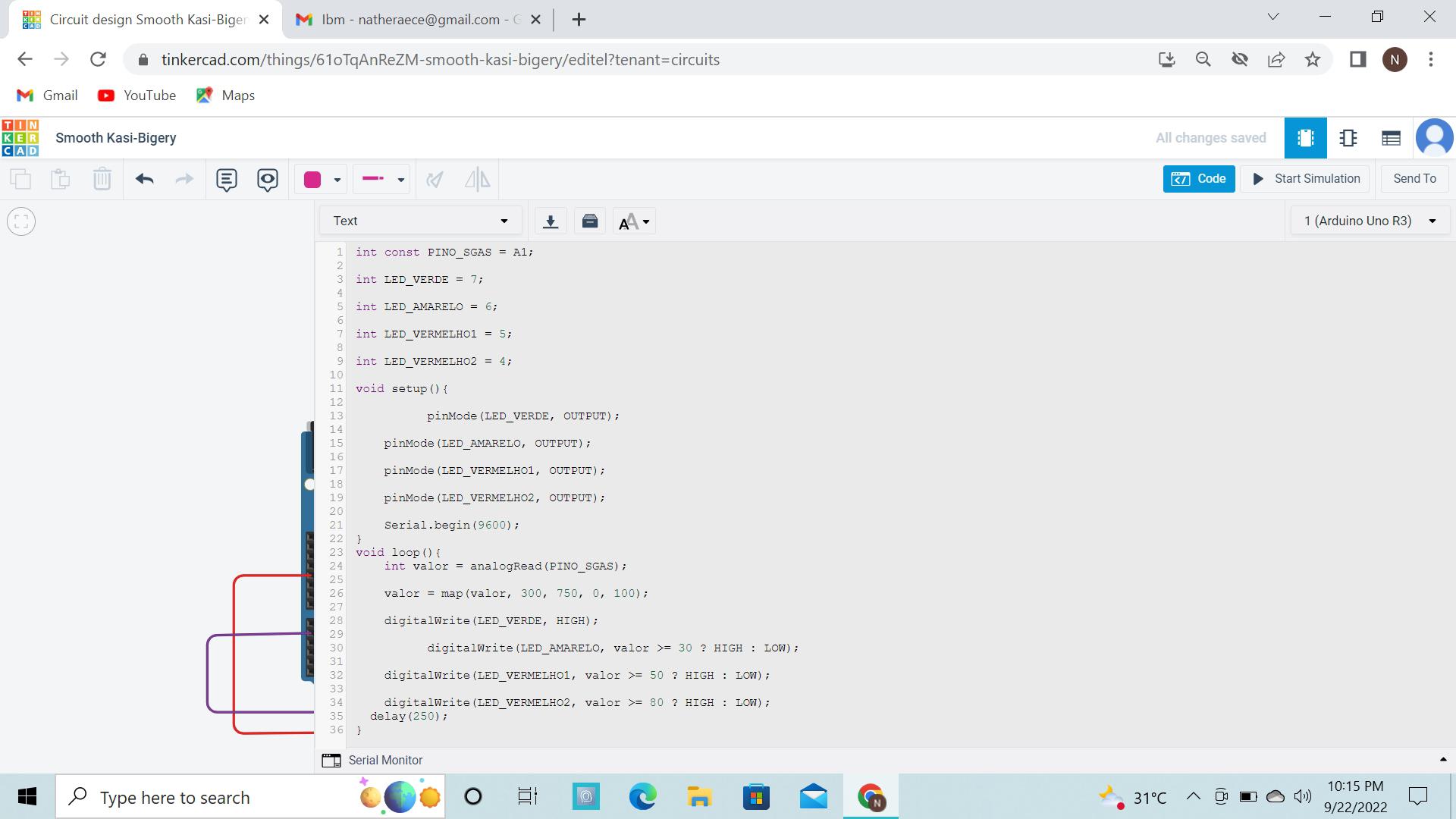
**Bread Board**

**LED x3**

**Buzzer**

**Gas sensor**

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**Coding**

**Int const PINO\_SGAS = A1;**

**Int LED\_VERDE = 7;**

**Int LED\_AMARELO = 6;**

**Int LED\_VERMELHO1 = 5;**

**Int LED\_VERMELHO2 = 4;**

**Void setup(){**

**pinMode(LED\_VERDE, OUTPUT);**

**pinMode(LED\_AMARELO, OUTPUT);**

**pinMode(LED\_VERMELHO1, OUTPUT);**

**pinMode(LED\_VERMELHO2, OUTPUT);**

**Serial.begin(9600);**

**}**

**Void loop(){**

**Int valor = analogRead(PINO\_SGAS);**

**Valor = map(valor, 300, 750, 0, 100);**

**digitalWrite(LED\_VERDE, HIGH);**

**digitalWrite(LED\_AMARELO, valor >= 30 ? HIGH : LOW);**

**digitalWrite(LED\_VERMELHO1, valor >= 50 ? HIGH : LOW);**

**digitalWrite(LED\_VERMELHO2, valor >= 80 ? HIGH : LOW);**

**delay(250);**

**}**