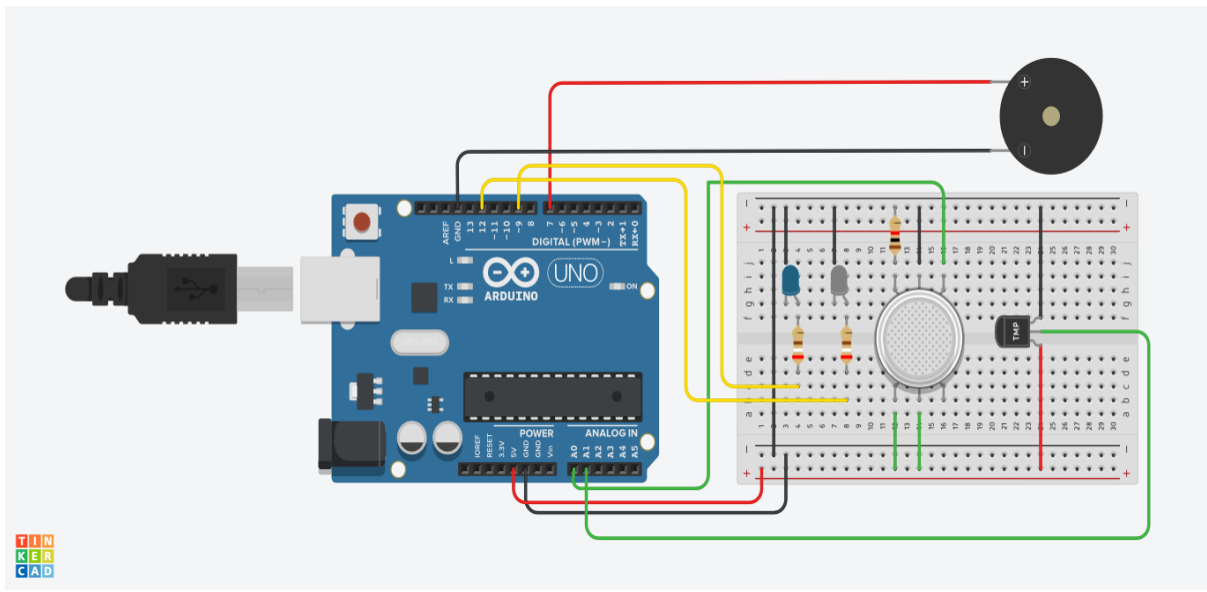


# SMOKE SENSOR



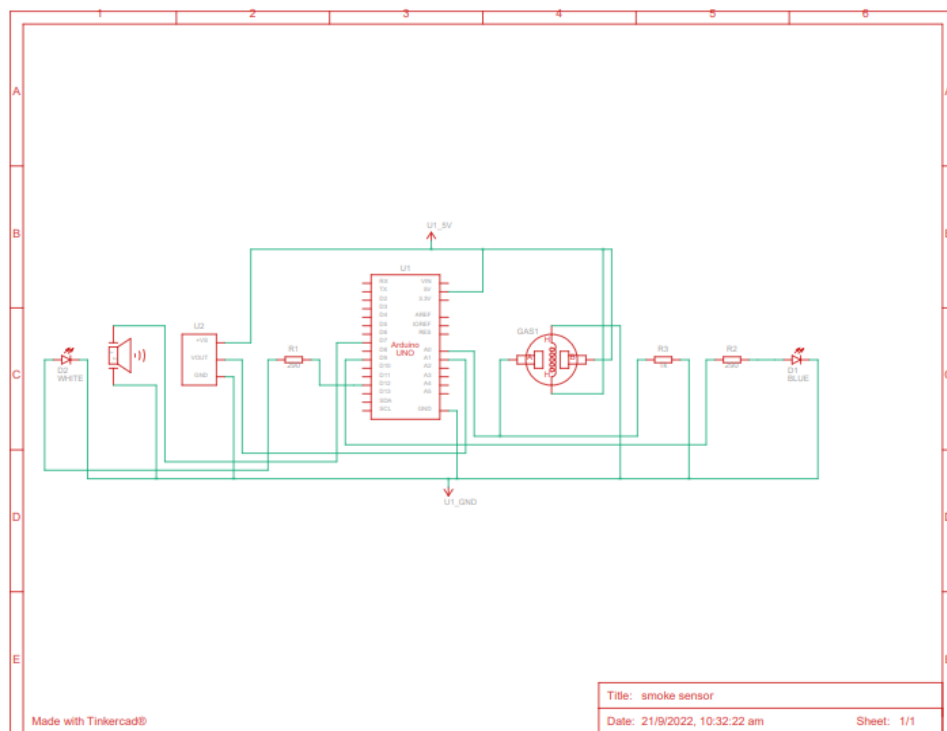
## CODE :

```
//AE CODE
int V_GasSen = 0;
int V_TempSens = 0;
int V_LEDlight=2;
void setup()
{
  pinMode(A0,INPUT);
  pinMode(7,OUTPUT);
  pinMode(4,OUTPUT);
  pinMode(A1,INPUT);
  pinMode(2,OUTPUT);
}

void loop()
{
  //smoke Alarm
  V_GasSen=analogRead(A0);
  if (V_GasSen >= 250)
  {
    tone(7,523,1000);
    digitalWrite(9,HIGH);
  }

  V_TempSens = -40 + 0.488155 * (analogRead(A1) - 20);
  if (V_TempSens >= 70)
  {
    tone(7,523,1000);
    digitalWrite(12,HIGH);
  }
  delay(10);
}
```

## BLACK DIAGRAM:



## COMPONENT LIST:

Name	Quantity	Component
R1 R2	2	290 $\Omega$ Resistor
D1	1	Blue LED
U1	1	Arduino Uno R3
PIEZO1	1	Piezo
U2	1	Temperature Sensor [TMP36]
GAS1	1	Gas Sensor
D2	1	White LED
R3	1	1 k $\Omega$ Resistor