

IOT LAB - 5th Sem

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Program No : 11

Program Title : Gas Sensor

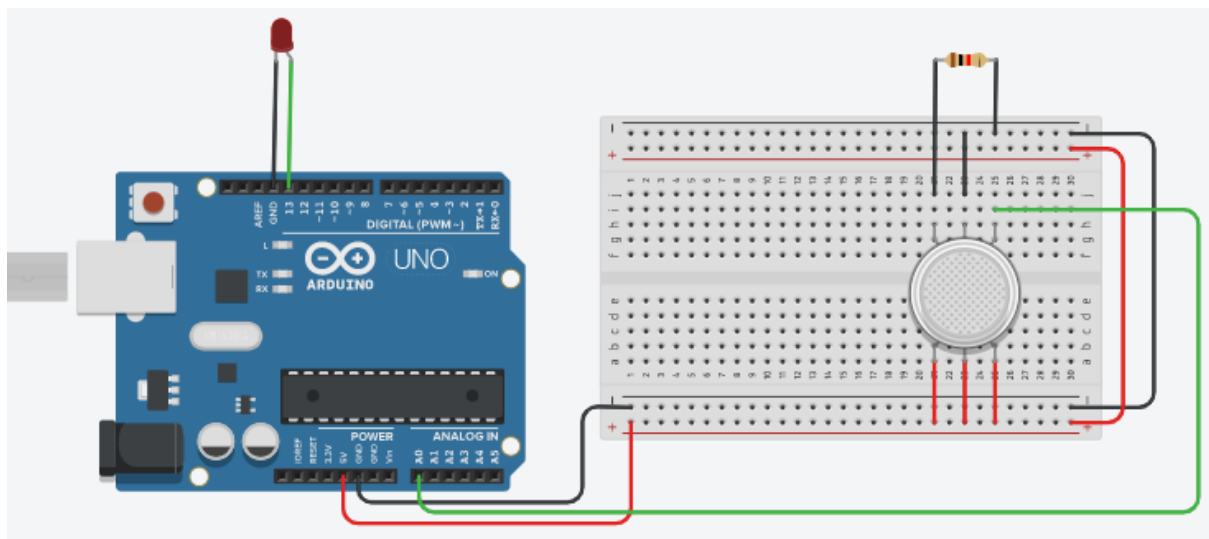
Aim :

To notify if there is a gas leakage near the sensor using an Arduino Uno board.

Hardware Required :

- Arduino Uno Board
- LED
- 330 Ohms Resistor
- Gas Sensor

Circuit Diagram :



Written Code :

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```
void setup()
{
    pinMode (13, OUTPUT);
    pinMode (A0, INPUT);
    Serial.begin (9600);
}

void loop()
{
    float gval = analogRead (A0);
    if (gval > 200)
        digitalWrite (13, HIGH);
    else
        digitalWrite (13, LOW);

    Serial.println ((String) "Gas Value : " + gval);
    delay (1500);
}
```

Observation /Output :

The LED is turned on when gas is detected.