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Program No. – 10

Program Title – Gas Sensor
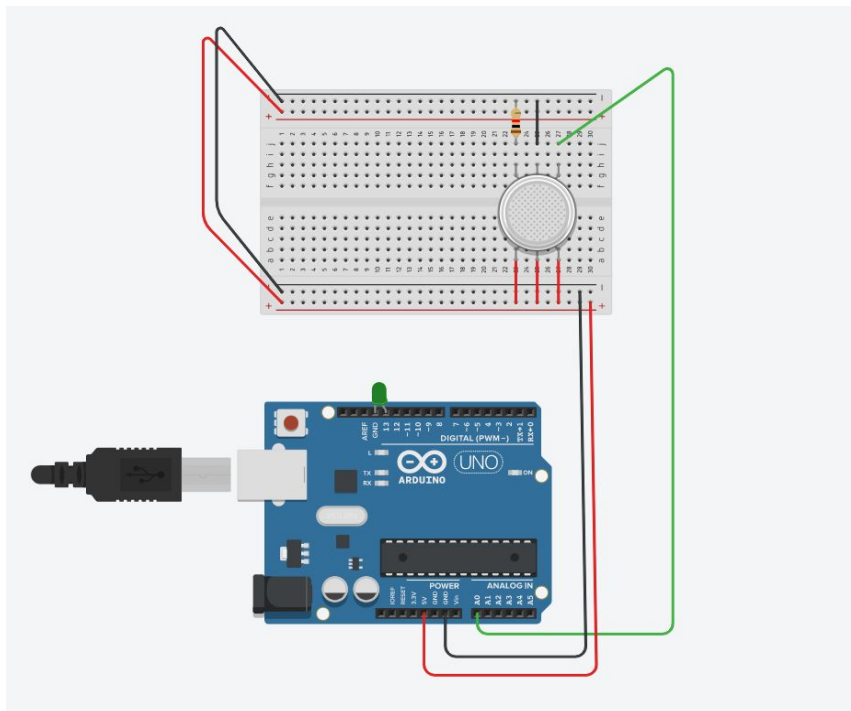

AIM

To design a smart gas leakage indicator system.

HARDWARES REQUIRED

- Arduino Board
- Gas sensor
- Resistor
- LED
- Breadboard Small

CIRCUIT DIAGRAM

WRITE-UP

PFA

CODE

```
int LED = 13;

const int gas = 0;

int Gaspin = A0;


void setup()

{

        Serial.begin(9600);

}

void loop()

{

        float sensorValue = analogRead(Gaspin);

        if(sensorValue >= 300)

        {

                digitalWrite(LED, HIGH);

                Serial.print(sensorValue);

                Serial.println(" *** SMOKE DETECTED ***");

                delay(sensorValue);
```

```
        }

        else

        {

                digitalWrite(LED, LOW);

                Serial.println("Serial Value : ");

                Serial.println(sensorValue);

        }

        delay(1000);

    }
```

OUTPUT

Designed a smart gas leakage indicator system.