Name – Parag Gattani

Program No. – 10

Program Title – Gas Sensor

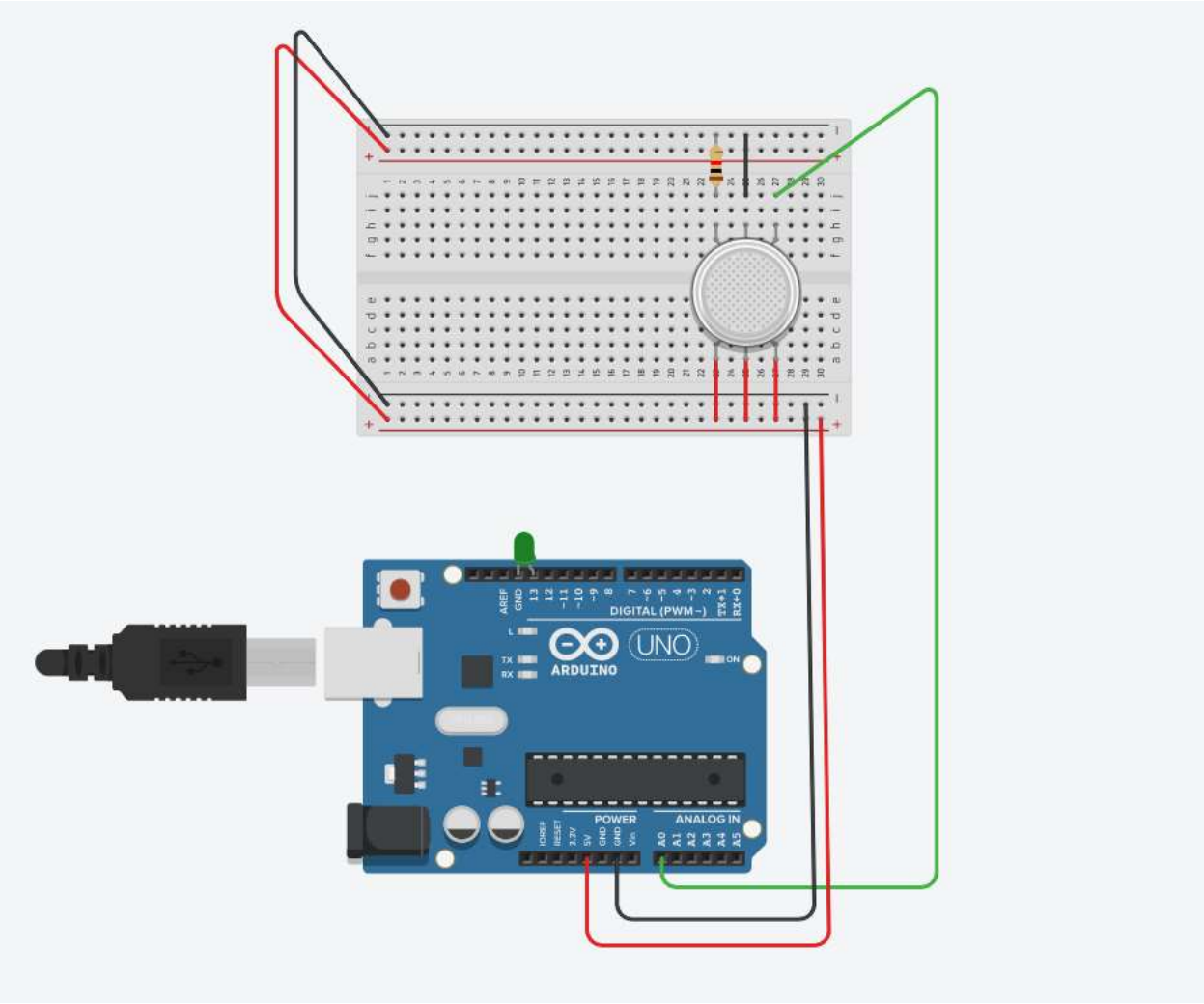
AIM

To design a smart gas leakage indicator system.

HARDWARES REQUIRED

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

CIRCUIT DIAGRAM



WRITE-UP

Name - Parag Gattani
USN - 1BM18CS067

14/10/2020

Exp.

Gas Sensor and LED

Aim

To design a smart gas leakage indicator system.

Hardwares required

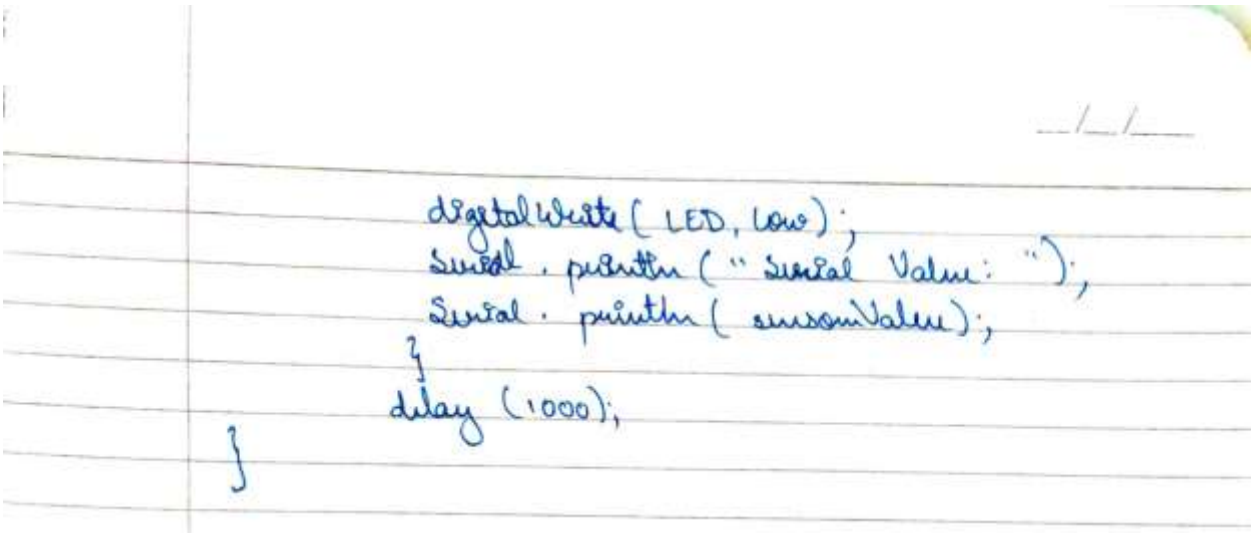
Gas Sensor, Arduino Board
LED, resistor, Breadboard

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);
     }
     delay else
     {
```



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.