## Name – Parag Gattani

Program No. – 10

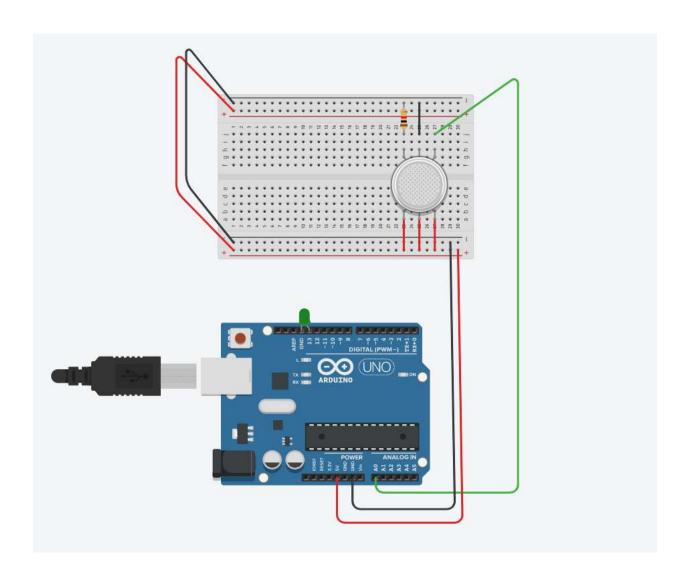
Program Title – Gas Sensor

#### **AIM**

To design a smart gas leakage indicator system.

#### HARDWARES REQUIRED

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



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	system.
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	LED, rusistor, Briadboard
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	}

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Sured. prenttr (sursonValue);

dulay (1000);
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# 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.