Sakshi Srivastava

1BM18CS090

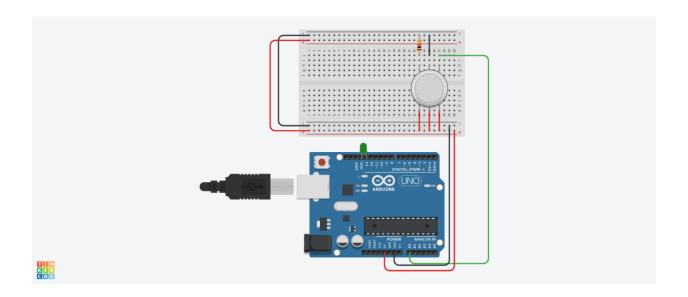
PROGRAM TITLE: GAS SENSOR

Aim: DESIGN A SMART GAS LEAKAGE INDICATOR SYSTEM (GAS SENSOR AND LED)

Hardware Required:

- Arduino Board
- LED
- Breadboard
- Gas Sensor
- Resistor

Circuit Diagram:



Write-Up:

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HARDWARE REQUIRED	
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Serial. puntin ("- 3 MOKE DETECTED");	
delay (rensorvatue);	
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else	
I digital White (LED, LOW);	
Sevent print (" Sunor Value :").	
Serval. printle (sensorvalue).	
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11 (1000)	
delay (1000);	
1	

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("Sensor
Value: ");
Serial.println(sensorValue);
 delay(1000);
```

OBSERVATION/OUTPUT:

The gas sensor checks whether there is a leakage or not. If yes, it displays SMOKE DETECTED otherwise it displays the sensor value.