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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);
    }
    else
    {
```

```
digitalWrite ( LED, Low);
Serial . println ( " Serial Value: ");
Serial . println ( sensorValue);
}
delay (1000);
}
```