

FINAL CODE

Team Id	PNT2022TMID14029
Project Name	Gas Leakage Monitoring and Alerting System for Industries

Project Code

```
#include <ESP8266WiFi.h>

const char *ssid = "naren";

// wifi name

const char *password = "1234567890";

// wifi password

const char *host = "maker.ifttt.com";

int gas_sensor = 8;

// connect gas sensor

int buzzerNLed = 9;

// connect led and buzzer

void setup()
{
    pinMode(sensor, INPUT); // sensor pin INPUT
    pinMode(buzzerNLed, OOUTPUT)

    Serial.begin(115200);
    Serial.println("Email from Node Mcu");
    delay(100);
    delay(1000);

    connectWiFi();
```

```

}

void loop()
{
    WiFiClient client;
    const int httpPort = 80;
    if (!client.connect(host, httpPort))
    {
        Serial.println("connection failed");
        return;
    }
    if (digitalRead(sensor) == 1)
    {
        String url = "/trigger/gassensor/with/key/ghy70ATSHWJ2kmWJaw-
CJUNl9LSiPF-JEWxyMwRXsGU";
        Serial.print("Requesting URL: ");
        Serial.println(url);
        client.print(String("GET ") + url + " HTTP/1.1\r\n" + "Host: " + host +
"\r\n" + "Connection: lose\r\n\r\n");
    }
    else
    {
        Serial.println("Object Not Detected");
    }

    delay(5000);

    while ((!(WiFi.status() == WL_CONNECTED)))

```

```
{  
    connectWiFi();  
}  
}
```

```
void connectWiFi()  
{  
    pinMode(2, OUTPUT);  
    int i = 0;  
    WiFi.disconnect();  
    // WiFi.mode(WIFI_STA);  
    Serial.println("Connecting to wifi.....");  
  
    WiFi.begin(ssid, password);  
    while ((!(WiFi.status() == WL_CONNECTED)))  
    {  
        digitalWrite(2, HIGH);  
        delay(300);  
        digitalWrite(2, LOW);  
        delay(200);  
  
        Serial.println(" - ");  
  
        i++;  
        if (i > 10)  
        {  
            return;  
        }  
    }  
}
```

```
    }  
}  
Serial.println("");  
Serial.println("WiFi connected");  
Serial.println("NodeMCU Local IP is : ");  
Serial.print((WiFi.localIP()));  
  
digitalWrite(2, HIGH);  
delay(400);  
digitalWrite(2, LOW);  
}
```