

Project Development Phase

Delivery of Sprint 3

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

Code:

```
#include <ESP8266WiFi.h>

const char *ssid = "mahalakshmi";

// 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-CJUNI9LSiPF-
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);
}
```