Project Development Phase

Delivery of Sprint 1

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

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);
}
```