SPRINT 4

Check the Project:

WOKWI SIMULATOR LINK:

https://wokwi.com/projects/347212137885598290

NODE-RED DASHBOARD UI LINK: https://node-red-dashboard059.eu-gb.mybluemix.net/ui/#!/0?socketid=Dsj 6KQ1Dt6bk-4LAAAW

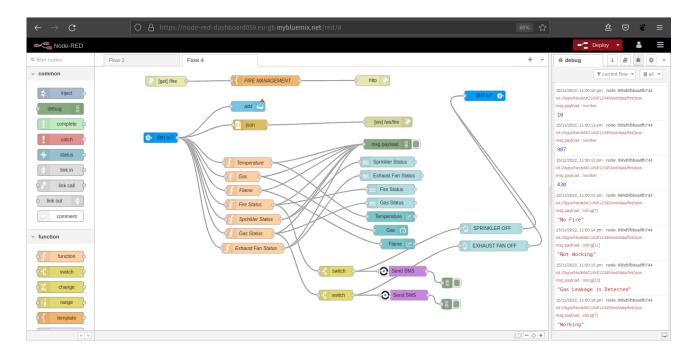
WEB PAGE LINK: https://node-red-dashboard059.eu-gb.mybluemix.net/fire

Preview

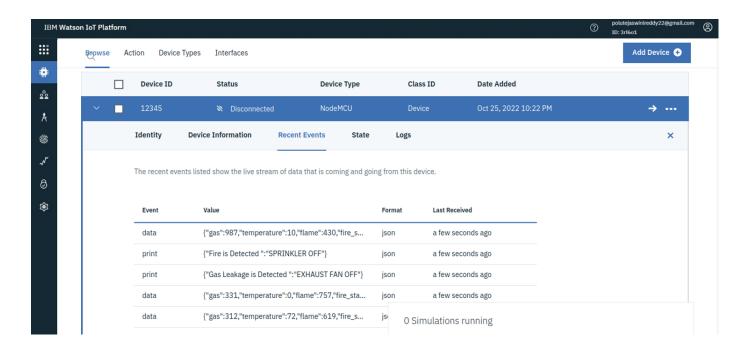
WOKWI SIMULATOR:

```
₩OKWÎ 🖪 SAVE 🔻 🥕 SHARE 🛡
   esp32-dht22.ino diagram.json libraries.txt Library Manager ▼
             #include <time.h>
#include <WiFi.h>
#include <PubSubClient.h>
                                                                                                                                               #define DEVICE_TYPE "NodeMCU"
#define DEVICE_ID "12345"
#define TOKEN "12345678"
                                                                                                                                             Connecting to Wifi.WiFi connected, IP address: 10.10.0.2
            char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
char publishTopic[] = "iot-2/evt/data/fmt/json";
char authWethod[] = "use-token-auth";
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
                                                                                                                                             Reconnecting MQTT client to
                                                                                                                                             wt19pm.messaging.internetofthings.ibmcloud.com
                                                                                                                                            Publish OK
                                                                                                                                             Publish OK
             PubSubClient client(server, 1883, wificlient);
              float temperature = 0;
             int gas = 0;
int flame = 0;
             String flame_status = "";
String Gas_status = "";
String exhaust_fan_status = "";
String sprinkler_status = "";
             void setup() {
   Serial.begin(99900);
                wifiConnect();
                                                                                                                                                                                                                                                           M II
                mqttConnect();
```

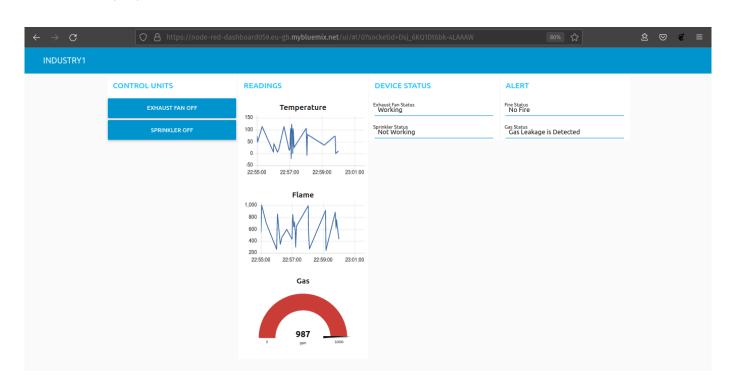
NODE RED:



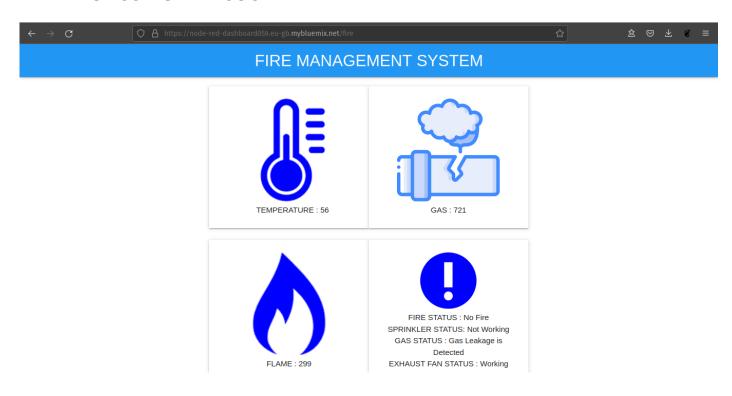
IBM WATSON IOT:



NODE RED(UI):



WEB PAGE USING WEB SOCKET:



SMS ALERT:

