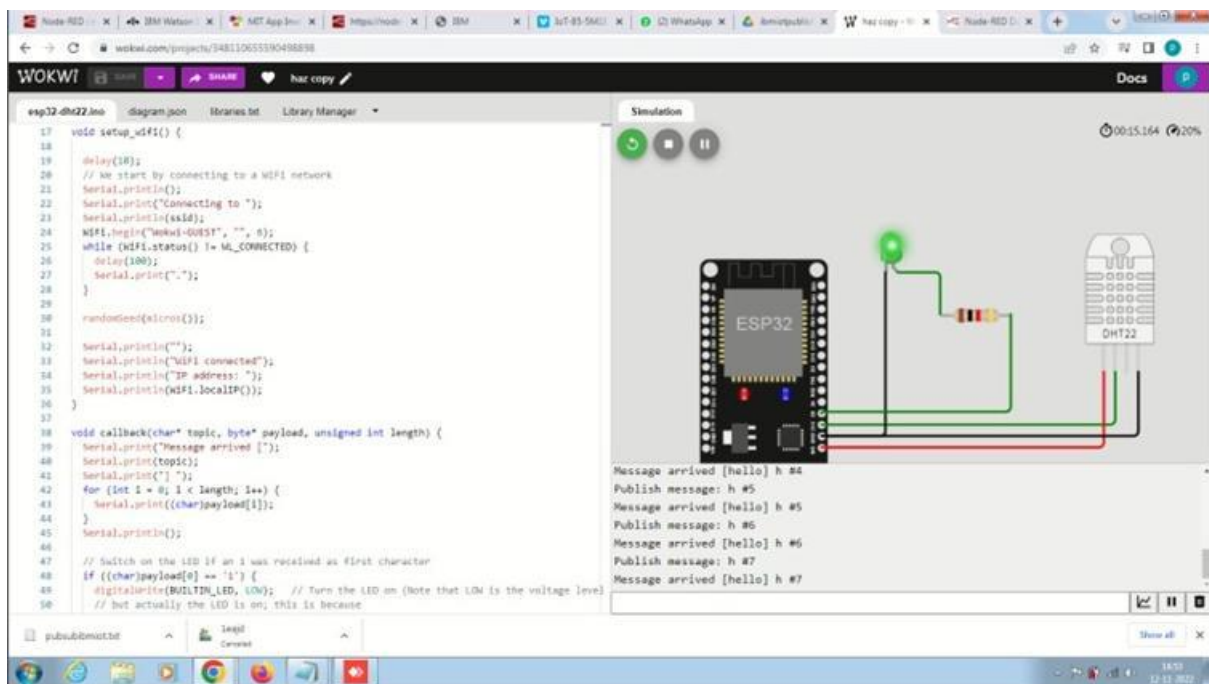
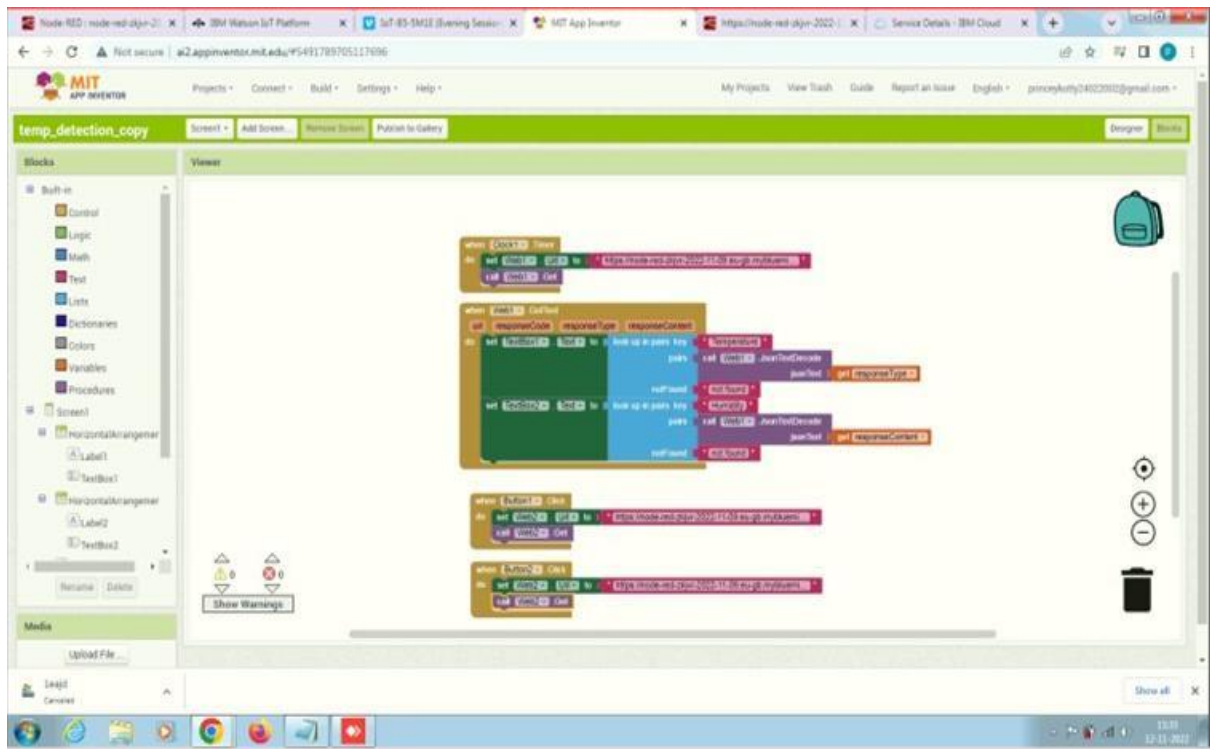


Date	1 NOVEMBER 2022
Team ID	PNT2022TMID01115
Project Name	Project-Hazardous Area Monitoring for Industrial Plant powered by IoT

SPRINT 4

SOFTWARE: MIT APP INVENTOR





Node-RED v2.0.4 | IBM Watson | MIT App Inventor | https://node... | IBM | 3/17-83-560 | WhatsApp | Bmcqpubli... | W | has copy - 10 | Node-RED v2.0.4 | Wokwi |

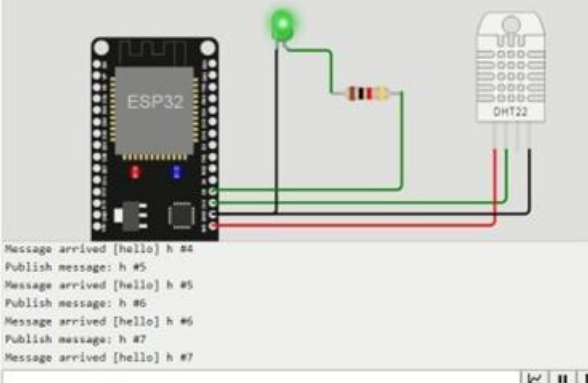
WOKWI | [SHARE](#) | [has copy](#) | [Docs](#)

esp32-dht22.ino | [diagram.json](#) | [libraries.txt](#) | [Library Manager](#)

```
17 void setup_wifi() {
18
19   delay(10);
20   // We start by connecting to a WiFi network
21   Serial.println();
22   Serial.print("Connecting to ");
23   Serial.println(ssid);
24   WiFi.begin("Wokwi-GUEST", "");
25   while (WiFi.status() != WL_CONNECTED) {
26     delay(100);
27     Serial.print(".");
28   }
29
30   randomSeed(micros());
31
32   Serial.println("");
33   Serial.println("WiFi connected");
34   Serial.println("IP address: ");
35   Serial.println(WiFi.localIP());
36 }
37
38 void callback(char* topic, byte* payload, unsigned int length) {
39   Serial.print("Message arrived [");
40   Serial.print(topic);
41   Serial.print("] ");
42   Serial.print(" ");
43   for (int i = 0; i < length; i++) {
44     Serial.print((char)payload[i]);
45   }
46   Serial.println();
47
48   // Switch on the LED if an 1 was received as first character
49   if ((char)payload[0] == '1') {
50     digitalWrite(BUILTIN_LED, LOW); // Turn the LED on (Note that LOW is the voltage level)
51     // but actually the LED is on, this is because
```

Simulation

00:15.164 20%



Message arrived [hello] h #4
Publish message: h #5
Message arrived [hello] h #5
Publish message: h #6
Message arrived [hello] h #6
Publish message: h #7
Message arrived [hello] h #7

pubsubmactb | [LED](#) | [Control](#) | [Show all](#)

18:51 12-11-2022

