

# Project Development Phase

## Sprint-1

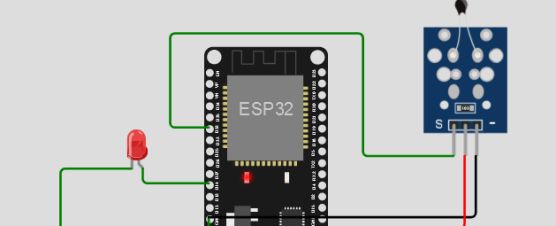
Team ID	PNT2022TMID40881
Project Name	Industry-Specific Intelligent Fire ManagementSystem

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sketch.ino diagram.json libraries.bt Library Manager

```
1 #include <WiFi.h>
2 #include <PubSubClient.h>
3 void callback(char* topic,byte* payload,unsigned int payloadLength)
4 #define ORG "In580q"
5 #define DEVICE_TYPE "abcd"
6 #define DEVICE_ID "12"
7 #define TOKEN "12345678"
8 String data3;
9
10 char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
11 char publishTopic[] = "iot-2/evt/Data/fmt/json";
12 char subscribeTopic[] = "iot-2/cmd/test/fmt/String";
13 char authMethod[] = "use-token-auth";
14 char token[] = TOKEN;
15 char clientId[] = "d:" + ORG + ":" + DEVICE_TYPE + ":" + DEVICE_ID;
16
17 WiFiClient wifiClient;
18 PubSubClient client(server,1883,callback,wifiClient);
19
20 void setup() {
21   Serial.begin(9600);
22   analogReadResolution(10);
23   pinMode(32,INPUT);
24   pinMode(14,OUTPUT);
25
26   wifiConnect();
27   mqttConnect();
28
29 }
30 void loop() {
```

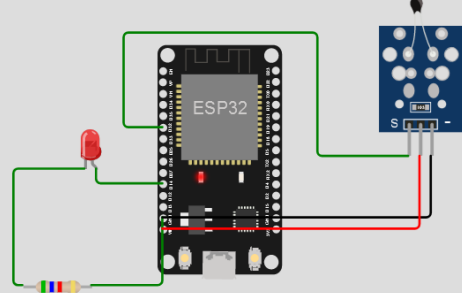
Simulation 03:32.942 30%



publish ok  
Temperature: 23.99 °C  
Sending payload:{"temp":23.99}  
publish ok  
Temperature: 23.99 °C  
Sending payload:{"temp":23.99}  
publish ok

← → ↺ https://wokwi.com/projects/348661563783119444 ☆ 🔍 ☰

🔄 ⏸ ⏹ 00:19.000 43%



publish ok  
Temperature: 23.99 °C  
Sending payload:{"temp":23.99}  
publish ok  
Temperature: 23.99 °C  
Sending payload:{"temp":23.99}  
publish ok

IBM Watson IoT Platform

nikeshm316@gmail.com  
ID: bn580q

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Device Drilldown - 12

Connection Information

Recent Events

Status

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Connection Information

Basic connection information about this device.

Device ID

12

Device Type

abcd

Date Added

16 Nov 2022 13:02

Added By

nikeshm316@gmail.com

Connection Status

Disconnected

Last Connected: 19 Nov 2022 14:02

Client Address: 50.31.197.64 Insecure

Duration: 2 minutes

Data Transferred: 1.7 KB

Recent Events

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Data	("temp":23.99)	json	a few seconds ago
Data	("temp":23.99)	json	a few seconds ago
Data	("temp":23.99)	json	a few seconds ago
Data	("temp":23.99)	json	a few seconds ago
Data	("temp":23.99)	json	a few seconds ago

0 Simulations running