

USE DASHBOARD NODES FOR CREATING UI (Web App)

Team ID	PNT2022TMID36752
Project Name	Real-Time River Water Quality Monitoring and Control System

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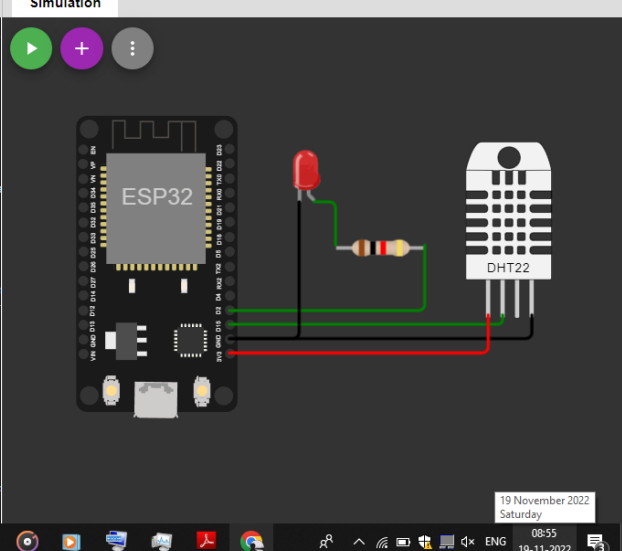
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sketch.ino diagram.json libraries.txt Library Manager

```
1 #include <WiFi.h> //library for wifi
2 #include <PubSubClient.h> //library for MQTT
3 #include "DHT.h" // Library for dht11
4 #define DHTPIN 15 // what pin we're connected to
5 #define DHTTYPE DHT22 // define type of sensor DHT 11
6 #define LED 2
7 DHT dht (DHTPIN, DHTTYPE); // creating the instance by passing pin
8
9 void callback(char* subscribetopic, byte* payload, unsigned int pa
10
11 //-----credentials of IBM Accounts-----
12
13 #define ORG "910vsj" //IBM ORGANITION ID
14 #define DEVICE_TYPE "demo123" //Device type mentioned in ibm watson
15 #define DEVICE_ID "demo123" //Device ID mentioned in ibm watson IOT
16 #define TOKEN "demo1234" //Token
17 String data3;
18 float t,h;
19
20
21 //----- Customise the above values -----
22 char server[] = ORG ".messaging.internetofthings.ibmcloud.com"; //
23 char publishTopic[] = "iot-2/evt/Data/fmt/json"; // topic name and
24 char subscribetopic[] = "iot-2/cmd/command/fmt/String"; // cmd REP
25 char authMethod[] = "use-token-auth"; // authentication method
```

Simulation



19 November 2022
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OUTPUT:

