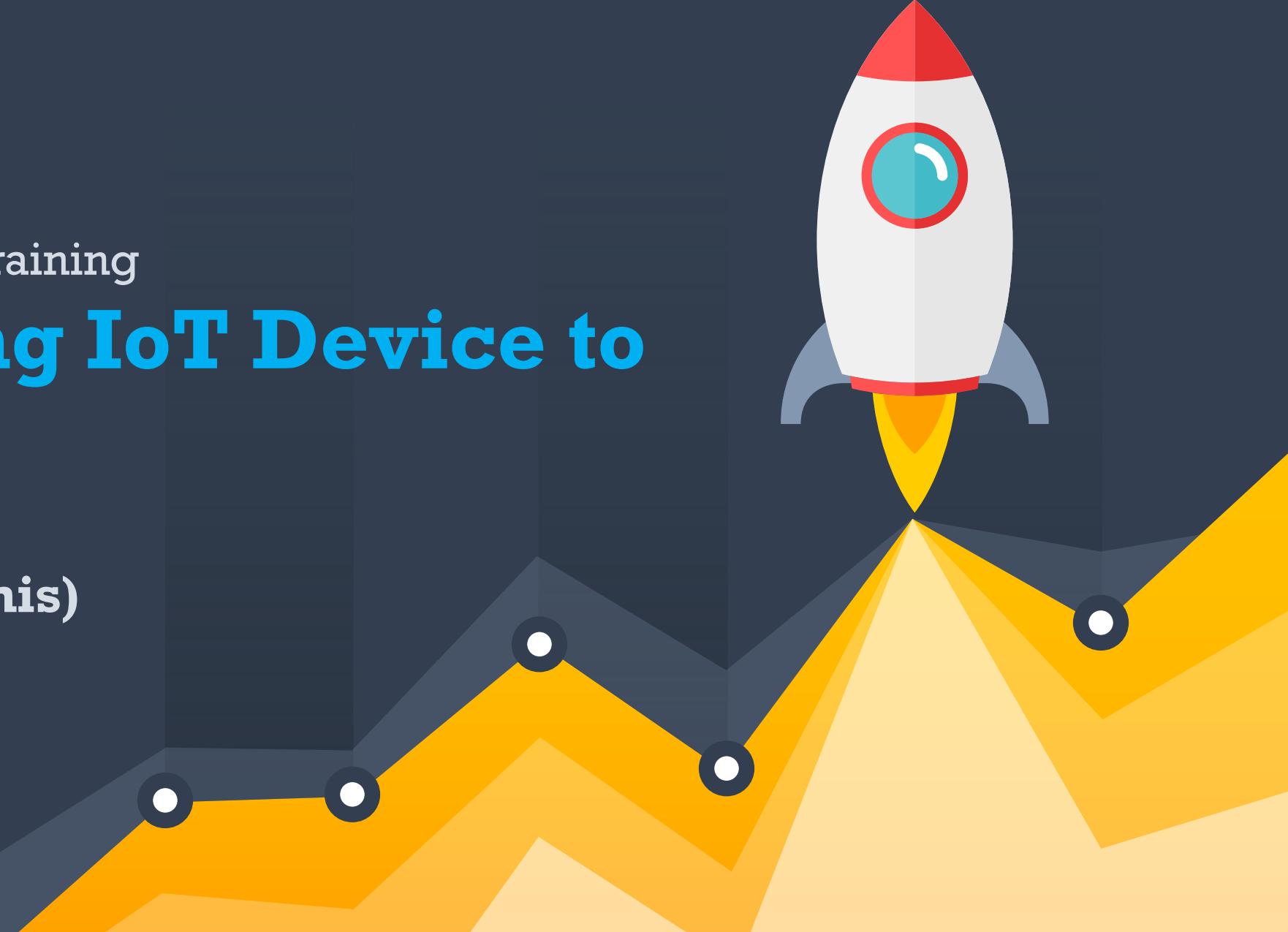




Webinar / Online Training

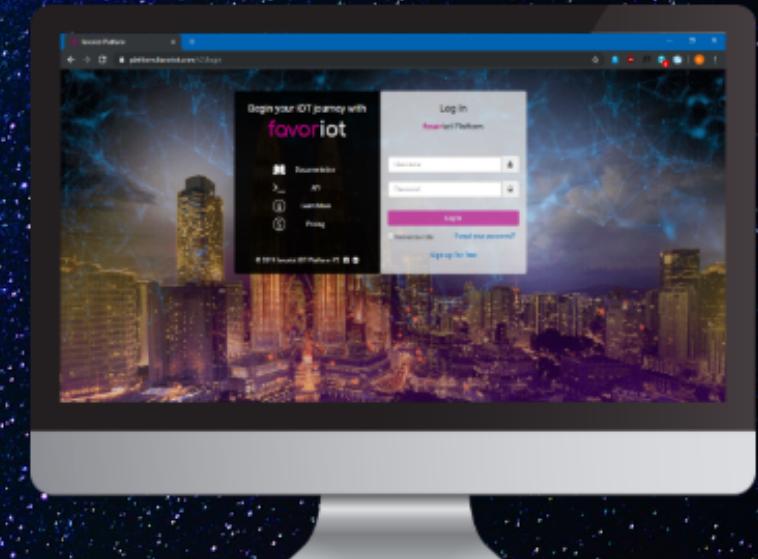
# Connecting IoT Device to Favoriot

**4 Jun 2020 (Khamis)**  
10.00 Pagi



# Release Now!

# Favoriot IoT Platform V2.0.0

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# Favoriot Device Management

The screenshot shows the Favoriot Device Management interface. The top navigation bar includes the Favoriot logo, user information (Mohamad Ariffin Zulkifli), account level (BEGINNER ACCOUNT), and standard icons for grid view, notifications, and user profile.

The left sidebar contains a navigation menu with the following items:

- Home
- Hierarchy
  - Add New
  - Projects
  - Applications
  - Groups
- Devices** (highlighted in pink)
- Data Stream
- Graphboards
- Rules
- Maps
- Tutorials
- API
- Documentation
- Favoriot Github
- Favoriot Support
- Features List

The main content area is titled "DEVICES". It features a search bar at the top right with a magnifying glass icon and a dropdown menu. Below the search bar is a table with the following columns: Device Name, Description, Device Developer ID, Group, Active, Connected, and Date Created. A single row is present in the table:

Device Name	Description	Device Developer ID	Group	Active	Connected	Date Created
ESP8266	ESP8266 Development Board	ESP8266@ariffinastute	room@ariffinastute	true	false	10/21/2019, 11:33:54 PM

A pink "Edit" button is located at the bottom right of the table.

# Favoriot Data Stream

The screenshot shows the Favoriot Data Stream interface. The top navigation bar includes the Favoriot logo, user profile (Mohamad Ariffin Zulkifli), and account level (BEGINNER ACCOUNT). The left sidebar contains links for Home, Hierachy, Data Stream (which is highlighted in pink), Graphboards, Rules, Maps, Tutorials, API, Documentation, Favoriot Github, Favoriot Support, Features List, and Market Place. The main content area is titled 'STREAMS' and displays a table of data entries. The table has columns for Select (checkboxes), Device (ESP8266@ariffinastute), Data (JSON objects like {"suhu": "30"}), and Date Created (e.g., 6/3/2020, 11:21:42 PM). A search bar is at the top right of the table.

Select	Device	Data	Date Created
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "30"}	6/3/2020, 11:21:42 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "35"}	6/3/2020, 11:21:38 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "39"}	6/3/2020, 11:21:32 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "30"}	6/3/2020, 11:21:28 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "44"}	6/3/2020, 11:21:23 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "37"}	6/3/2020, 11:21:18 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "42"}	6/3/2020, 11:21:13 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "25"}	6/3/2020, 11:21:07 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "34"}	6/3/2020, 11:21:03 PM
<input type="checkbox"/>	ESP8266@ariffinastute	{"suhu": "24"}	6/3/2020, 11:20:57 PM

Export as... Edit

# Favoriot Graphboards

The screenshot shows the Favoriot Graphboards interface. At the top, there is a navigation bar with a menu icon, the 'favoriot' logo, and three icons for settings, notifications (with a count of 0), and user profile.

The left sidebar contains a user profile for 'Mohamad Ariffin Zulkifli' and a 'BEGINNER ACCOUNT' badge. Below this are several menu items: Home, Hierachy, Data Stream, Graphboards (which is highlighted with a pink background), Rules, Maps, Tutorials, API, Documentation, Favoriot Github, Favoriot Support, Features List, and Market Place.

The main area is titled 'GRAPHBOARDS' and features a 'Create Graphboard' button. A graphboard titled 'WeatherMonitoring' is displayed, showing the device identifier '(Device: 'ESP8266@ariffinastute')' and the title 'Weather Monitoring'. The graphboard has a small preview window and a settings gear icon.

# Favoriot Rules

The screenshot shows the Favoriot web interface with the title "Favoriot Rules". The left sidebar displays a navigation menu with the following items:

- Mohamad Ariffin Zulkifli (User Profile)
- BEGINNER ACCOUNT
- Home
- Hierarchy
- Data Stream
- Graphboards
- Rules** (selected)
- Maps
- Tutorials
- API
- Documentation
- Favoriot Github
- Favoriot Support
- Features List
- Market Place

The main content area is titled "RULES" and contains a table with one row of data:

Rule Name	Description	Device
EmailAlert	Email Alert Notification	ESP8266@ariffinastute

At the top of the main content area, there are buttons for "Entries" (set to 10), "Create Rule", and a search bar. On the far right of the table, there is an "Edit" button.

# Favoriot Maps

The screenshot shows the Favoriot platform interface. The top navigation bar includes the 'favoriot' logo, user information (Mohamad Ariffin Zulkifli), and account status (BEGINNER ACCOUNT). The left sidebar menu lists various features: Home, Hierarchy (with sub-options Add New, Projects, Applications, Groups, Devices), Data Stream, Graphboards, Rules, Maps (selected and highlighted in pink), Tutorials, API, Documentation, Favoriot Github, Favoriot Support, and Features List. The main content area is titled 'MAP' and displays 'Device Info' with a count of 'Total Devices: 1'. Below this is a map view with 'Map' and 'Satellite' tabs, and a zoom-in icon. A callout box provides detailed device information for 'ESP8266@ariffinastute':  
Created On: 10/21/2019, 11:33:54 PM  
Device Type: others  
Sensor Type: others  
Lat: 100.4759  
Long: 5.315  
Data Stream (Latest data)  
suhu: 30

<https://www.favoriot.com/iotplatform/pricing>

**Free**  
(Free)

**Beginner**  
(MYR 100)

**IoT-Ecosystem**  
(MYR 3,000)

**Customize**

Register

\* API Limit

Great for simple  
use cases. You  
don't need to  
be familiar with  
the platform.

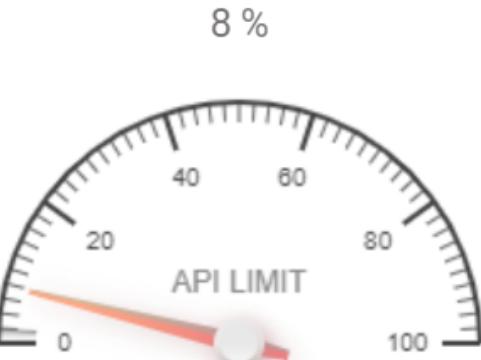
Support Through  
Email

500 APIs

Value Added  
Support

Free En-

1-year Data  
Retention



385 from 5000

Refreshes everyday at 12:00 AM (GMT +8)

API is used for every interaction with the platform, either sending data, viewing data on certain pages etc.



1-year Data Retention

Referral:

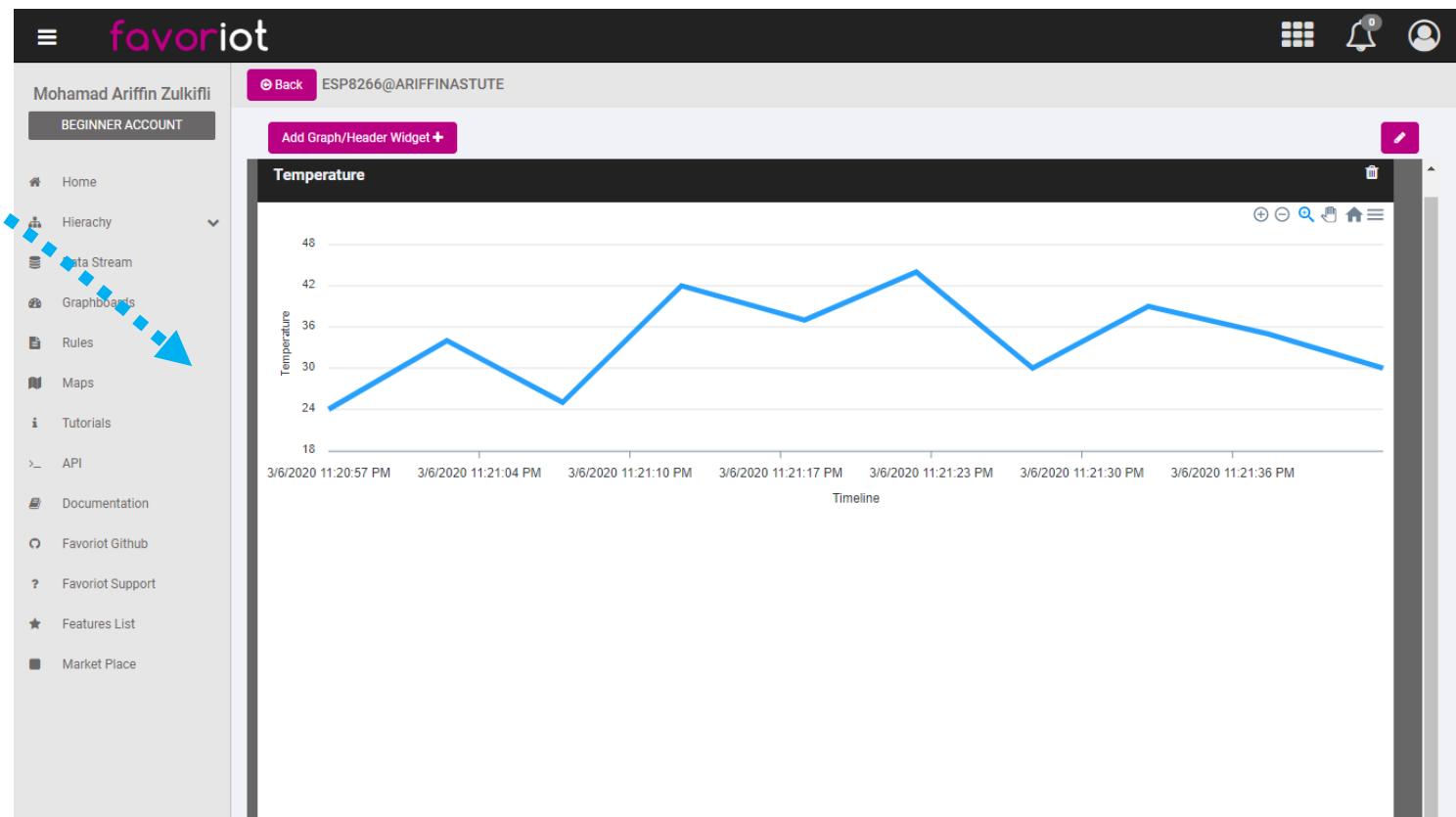
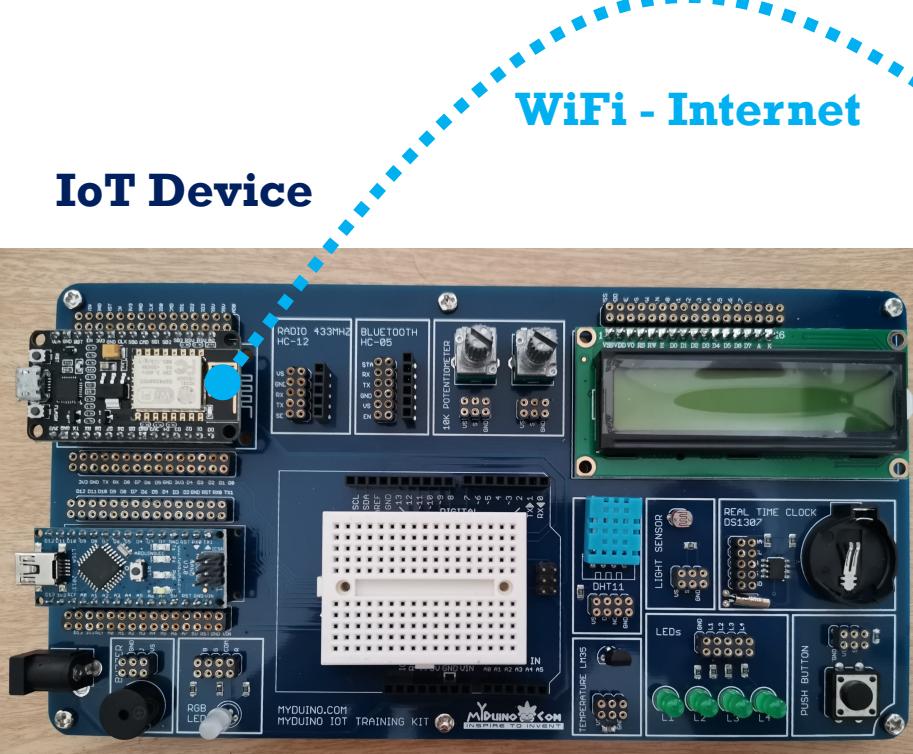
Referral:

Universities/Colleges/Training  
Centres Plan

How to Become Referral

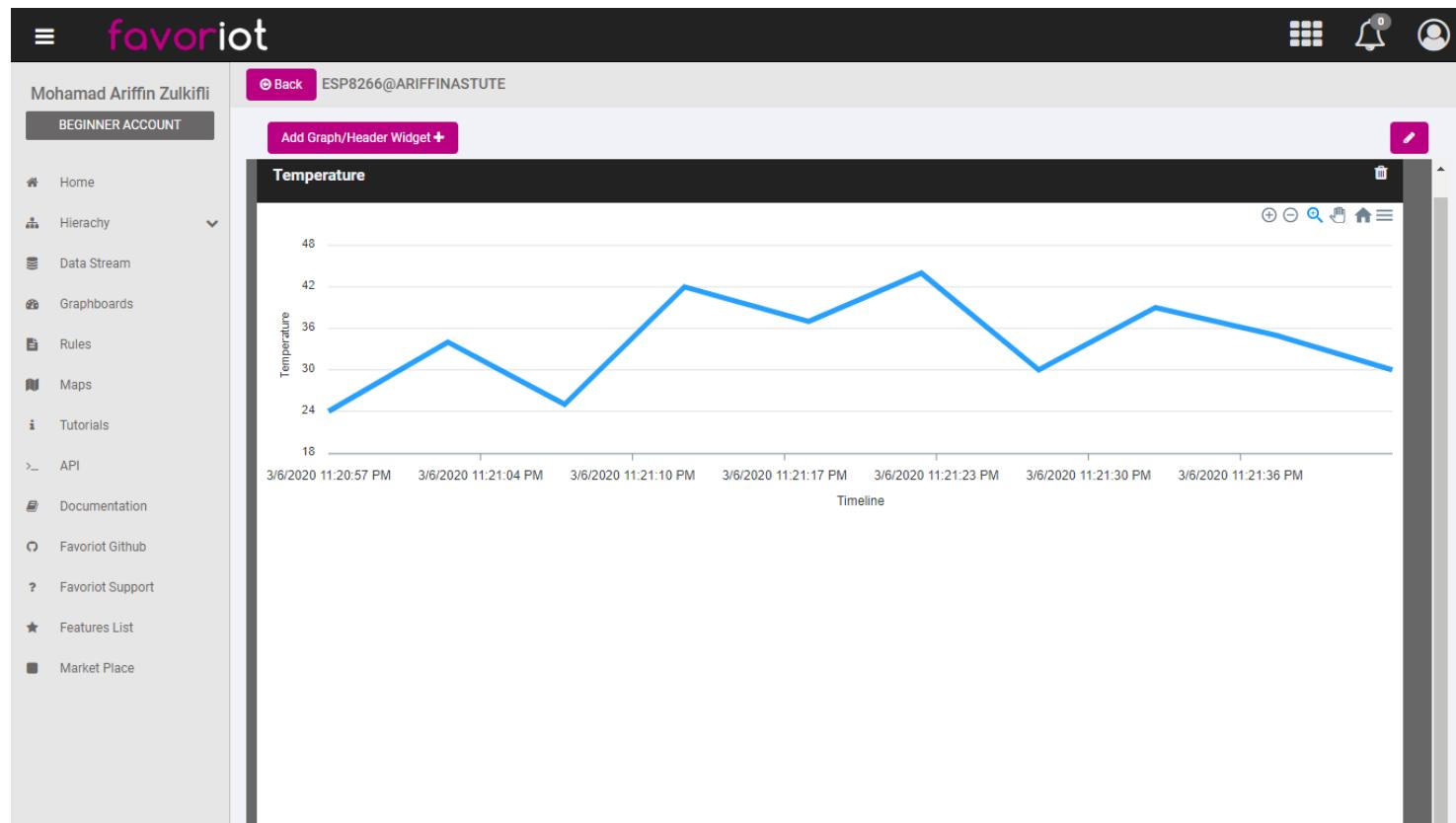
How to Become Referral

## IoT Platform, Favoriot



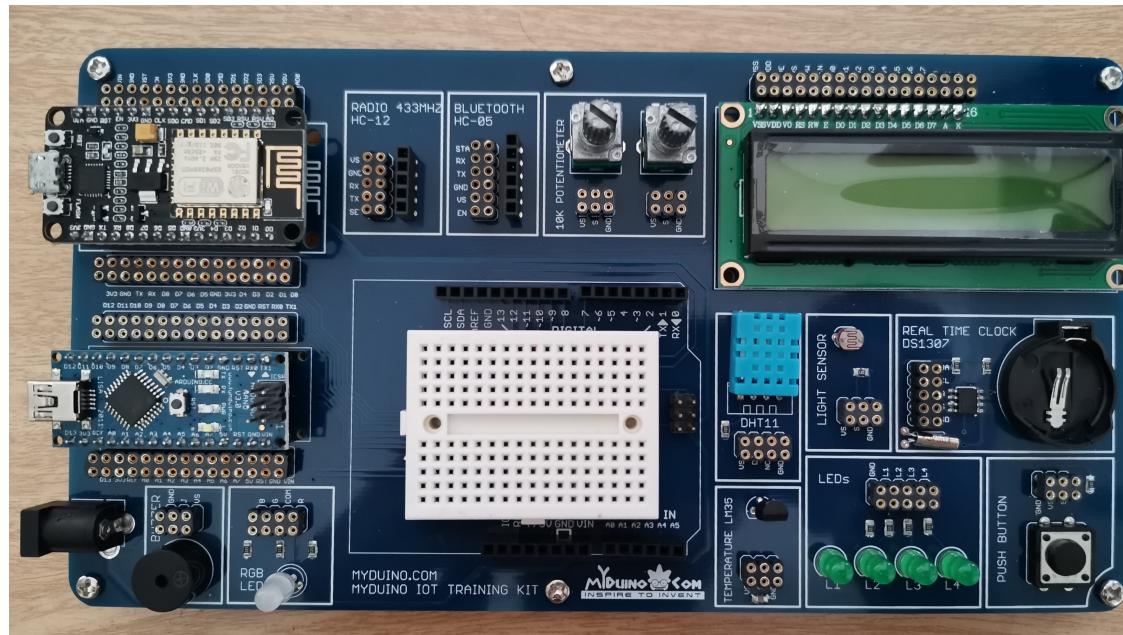
- NodeMCU (Microcontroller + WiFi, ESP8266)
- DHT11 Sensor (Input, Temperature & Humidity)

# IoT Platform, Favoriot



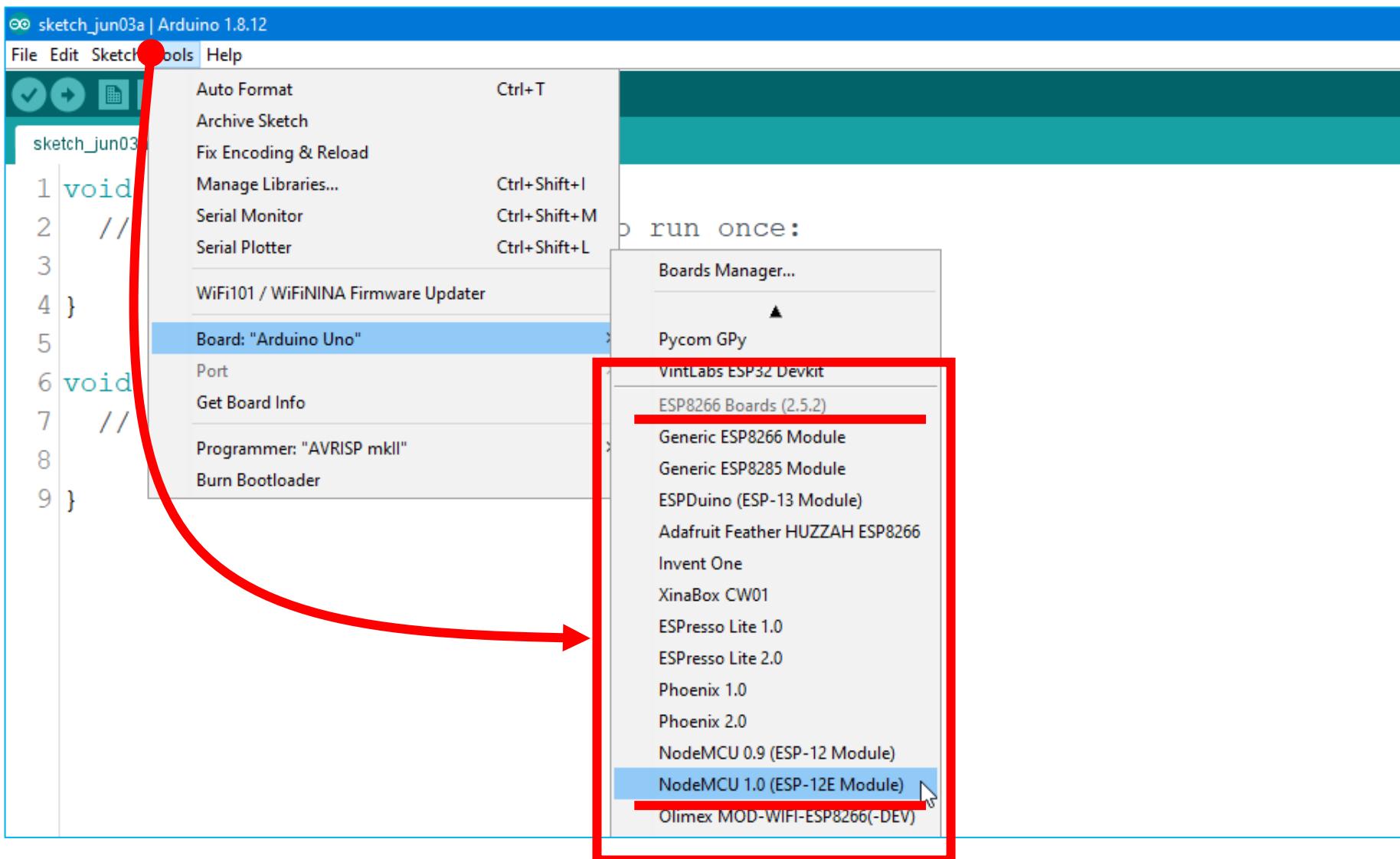
- Create New Device
- Update sensor's data to Data Stream
- Create Graphboards
- Create Rules for Email Notification

## IoT Platform, Favoriot



- Make sure Arduino IDE compatible to program ESP8266
- Interfacing DHT11 to NodeMCU (Wiring)
- Arduino IDE to create ESP8266 sketch for:
  1. Connecting to nearest able to use WiFi router
  2. Acquisition of temperature & humidity data from DHT11
  3. Send data to Favoriot using FavoriotHTTP library

- Make sure Arduino IDE compatible to program ESP8266



# <https://github.com/ariffinzulkifli/FavoriotHTTP>

Why GitHub? Team Enterprise Explore Marketplace Pricing Search / Sign in Sign up

ariffinzulkifli / FavoriotHTTP Watch 1 Star 1 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Security 0 Insights

An Arduino library for updating sensors data to Favoriot Data Stream. <https://platform.favoriot.com/v2/sign...>

arduino arduino-library arduino-esp8266

41 commits 2 branches 0 packages 2 releases 1 contributor MIT

Branch: master New pull request Find file Clone or download ▾

File	Change	Date
ariffinzulkifli Update README.md		Latest commit 607f45e on Apr 24
examples	deleted: Favoriot.cpp	last month
FavoriotHTTP.cpp	new file: FavoriotHTTP.cpp	last month
FavoriotHTTP.h	new file: FavoriotHTTP.cpp	last month
FavoriotHTTPS.cpp	new file: FavoriotHTTP.cpp	last month
FavoriotHTTPS.h	new file: FavoriotHTTP.cpp	last month
LICENSE	Create LICENSE	4 months ago
README.md	Update README.md	last month

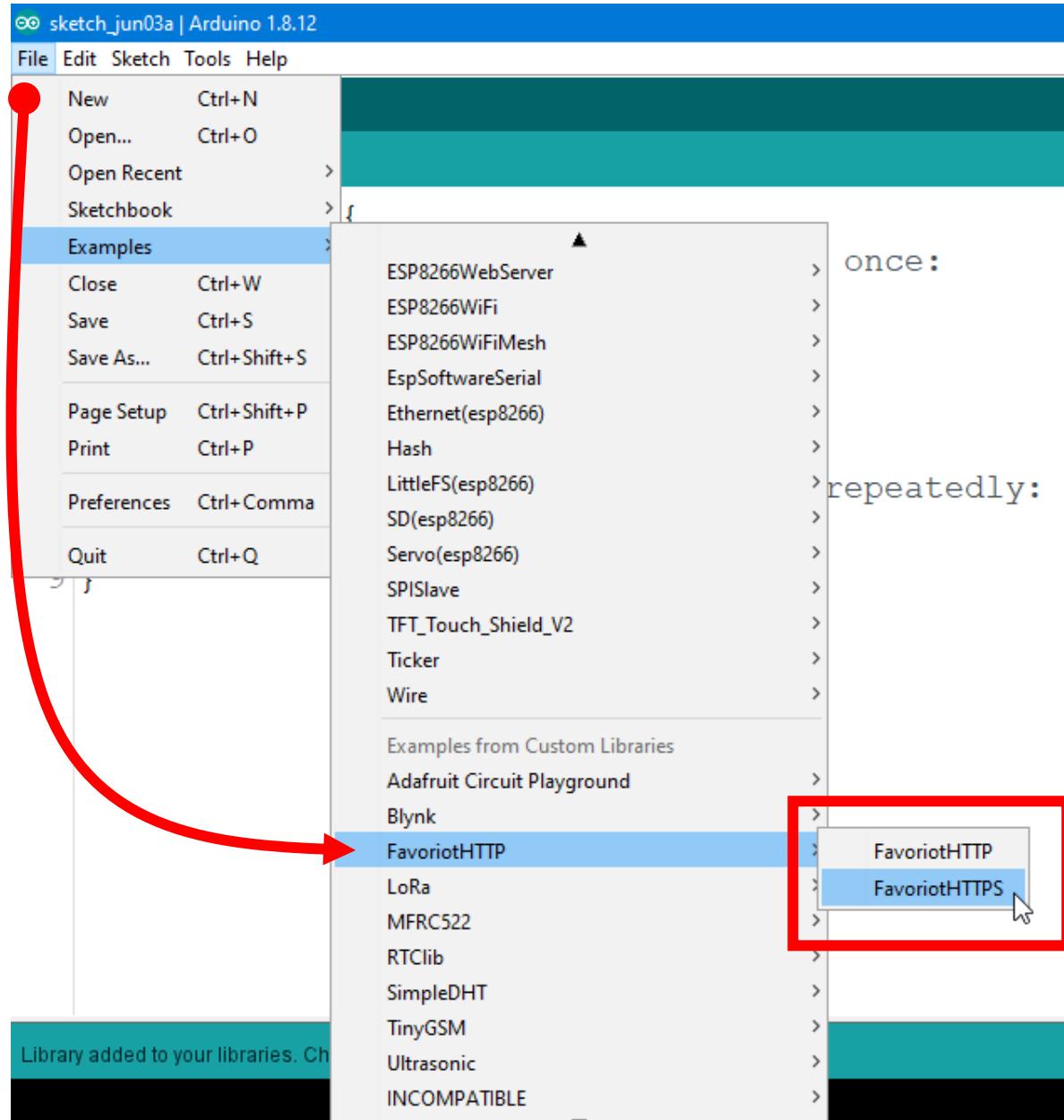
# <https://github.com/ariffinzulkifli/FavoriotHTTP>



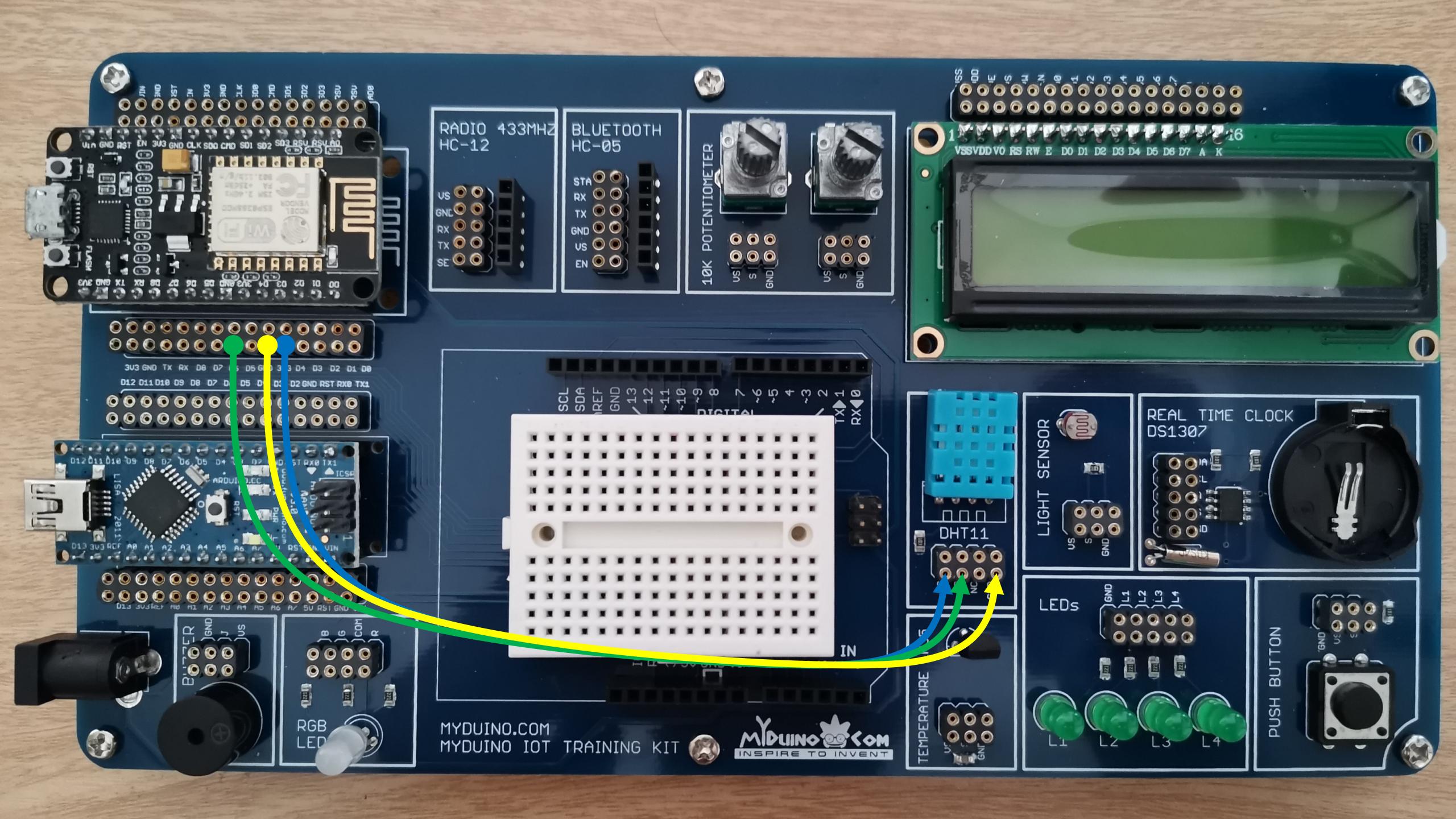
The screenshot shows the Arduino IDE interface with a sketch titled "FavoriotHTTPS". The code implements the Favoriot HTTPS library to connect an Arduino to the cloud. It includes configuration for WiFi SSID and password, and a device access token. The sketch starts with the header inclusion, followed by constants for WiFi credentials and a device access token. It then declares the FavoriotHTTPS class and initializes it in the setup() function, using Serial.begin(9600) for communication.

```
15 #include <FavoriotHTTPS.h>
16
17 const char ssid[]      = "YourWiFiSSID";           // replace with your WiFi SSID
18 const char password[]  = "YourWiFiPassword";        // replace with your WiFi password
19 const char apikey[]    = "YourDeviceAccessToken";   // replace with your Favoriot Device Access Token
20
21 FavoriotHTTPS favoriot;
22
23 unsigned long previousMillis = 0;
24
25 void setup() {
26   Serial.begin(9600);
27
28   // STEP 1 - Initialized Favoriot connectivity
29   favoriot.begin(ssid, password, apikey);
30 }
31
32 void loop() {
```

- Adding FavoriotHTTP Library into Arduino IDE



***Let's Get Hands-on***





## FavoriotHTTPS

```
15 #include <FavoriotHTTPS.h>
16
17 const char ssid[]      = "YourWiFiSSID";           //
18 const char password[]  = "YourWiFiPassword";        //
19 const char apikey[]    = "YourDeviceAccessToken";   //
20
21 FavoriotHTTPS favoriot;
22
23 unsigned long previousMillis = 0;
24
25 void setup() {
26     Serial.begin(9600);
27
28     // STEP 1 - Initialized Favoriot connectivity
29     favoriot.begin(ssid, password, apikey);
30 }
31
32 void loop() {
```

## Required Information

1. WiFi SSID & Password
2. Favoriot Device Access Token
3. Data Acquisition from Sensor
4. Favoriot Device Developer Id
5. Dataset including key & value

key    value  
↓    ↓  
`favoriot.dataStream("suhu1", String(s1));`  
-  
-  
-  
`favoriot.dataStream("suhu20", String(s20));`