

**Home**

## Cal-Track

**Your personal calorie tracker**

**Welcome! Eat better, Keep track of your calories!**



To analyze your calorie input based on your recipe and ingredients LogIn to your account, or SignUp to create an account.

**SIGN UP**   **LOG IN**

**SignUp Page**

Please SignUp to create an account

First Name \*

Last Name \*

Device ID \*

Username \*

Email address \*

Contact Number \*

Password \*

Confirm password \*

Accept terms and conditions

**SUBMIT**   **CANCEL**

**GO TO HOME**

**Login Page**

Please input your login credentials

Username \*

Password \*

**SUBMIT**   **CANCEL**

**GO TO HOME**

**Authentication Page**

Please Follow the Instruction to Authenticate Your Device

1) Go to **192.168.1.5**

2) Press authenticate button

Note : If your device is not authenticated please **Try Again!**

**GO BACK TO INSTRUCTION PAGE**

**GO TO HOME**

**Instructions Page**

**WiFi is not connected or NodeMCU is in sleep state.**

**Please follow the instructions,**

1. Press the reset button
2. If WiFi needs to be configured or changed
- i) Connect the device to 'Caloriecount' WiFi network
- ii) Go to <http://192.168.4.1>
- iii) Press the configure button, and add your home WiFi credentials to get connected.

Note : If your credentials are correct CalorieCount WiFi network will be terminated, and the device will be connected with your home network.

If not please **Try Again!**

**GO TO HOME**

**Check My Calorie Count**

Please input your ingredients here!

Quantity \*

Ingredients \*

**SUBMIT**   **CANCEL**

E.g.: Quantity : 0.5 , Ingredient : tbsp sugar

Quantity	Ingredients
2	hamburger
3	dosa
2	apples

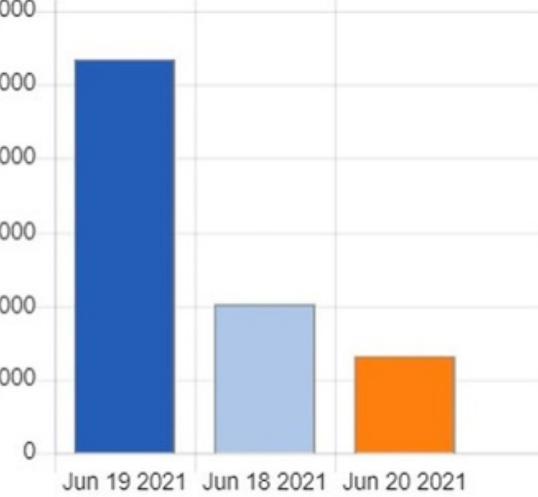
**902 units**

**CALCULATE**   **RESET**

**ANALYZE**   **GO TO HOME**

**View Daily Calorie Intake**

**Your Daily Calorie Intake**



Date	Calories
Jun 19 2021	5200
Jun 18 2021	2000
Jun 20 2021	1200

**GO BACK TO CALORIE COUNTER PAGE**

**GO TO HOME**

# CAL-Track

# IoT Project

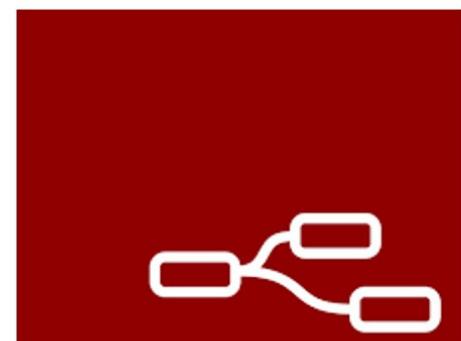
Group 6



**Firebase**



 **MQTT**

The MQTT logo icon consists of three white curved lines on a dark purple square background.

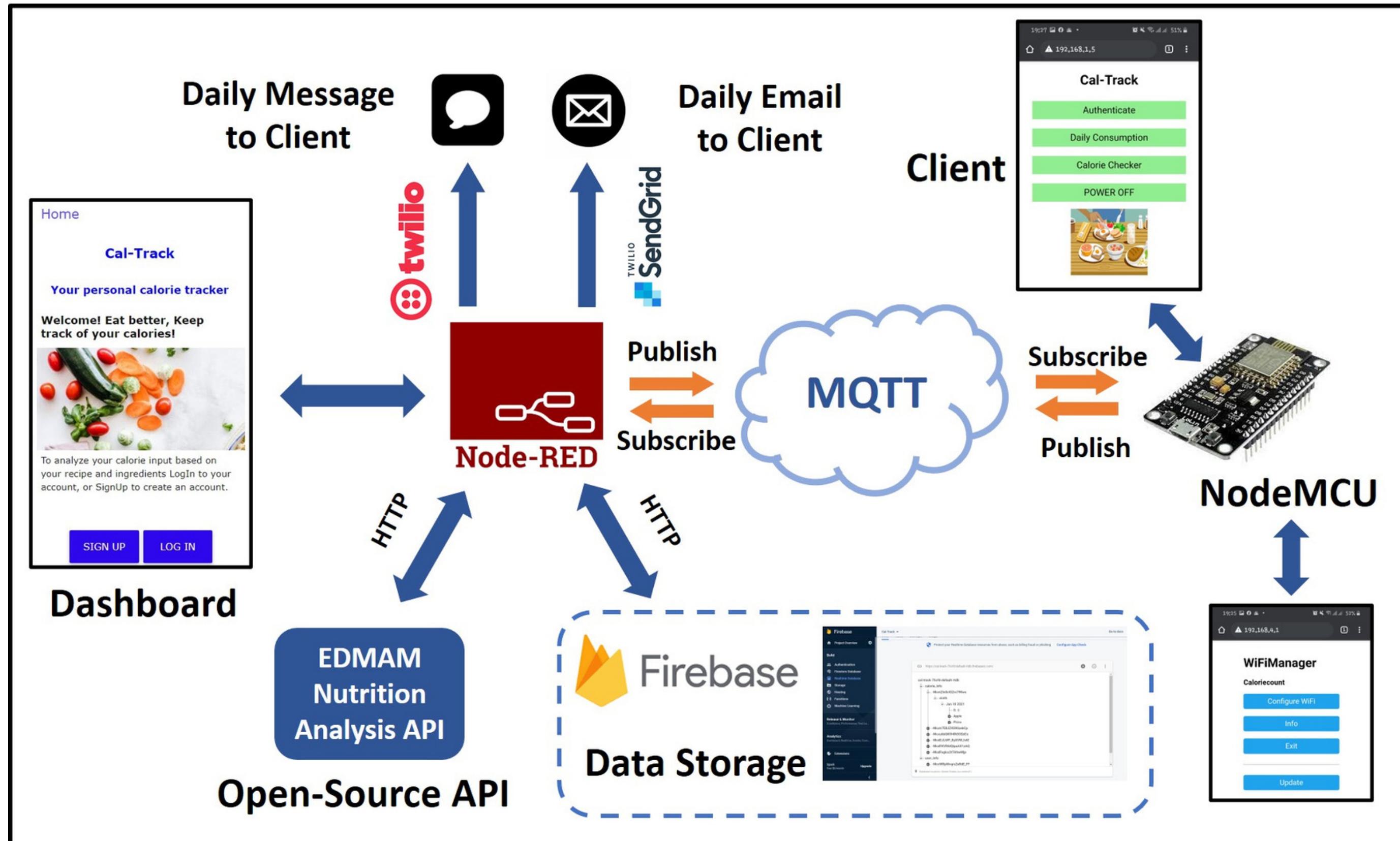
**Node-RED**

## INTRODUCTION

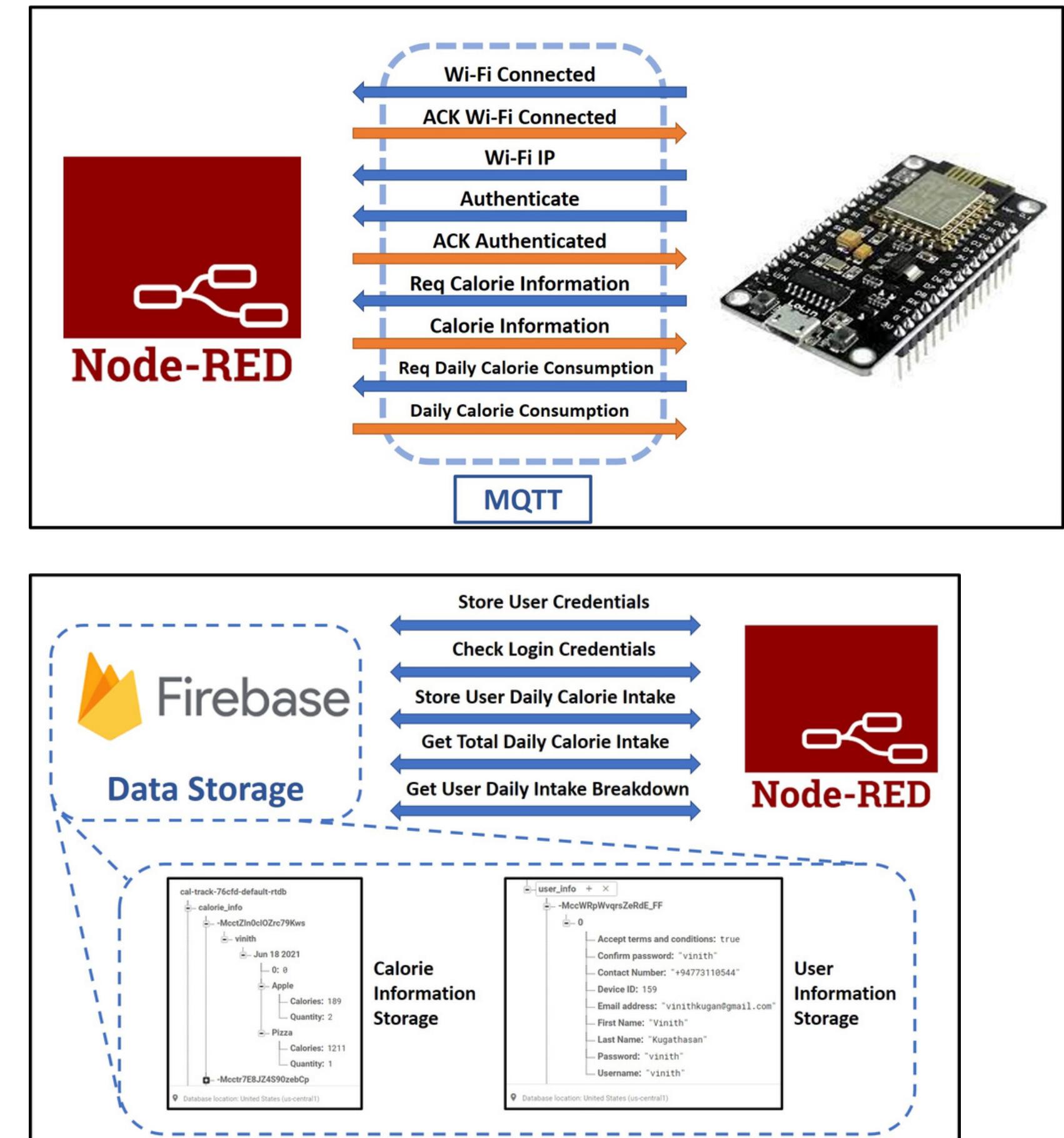
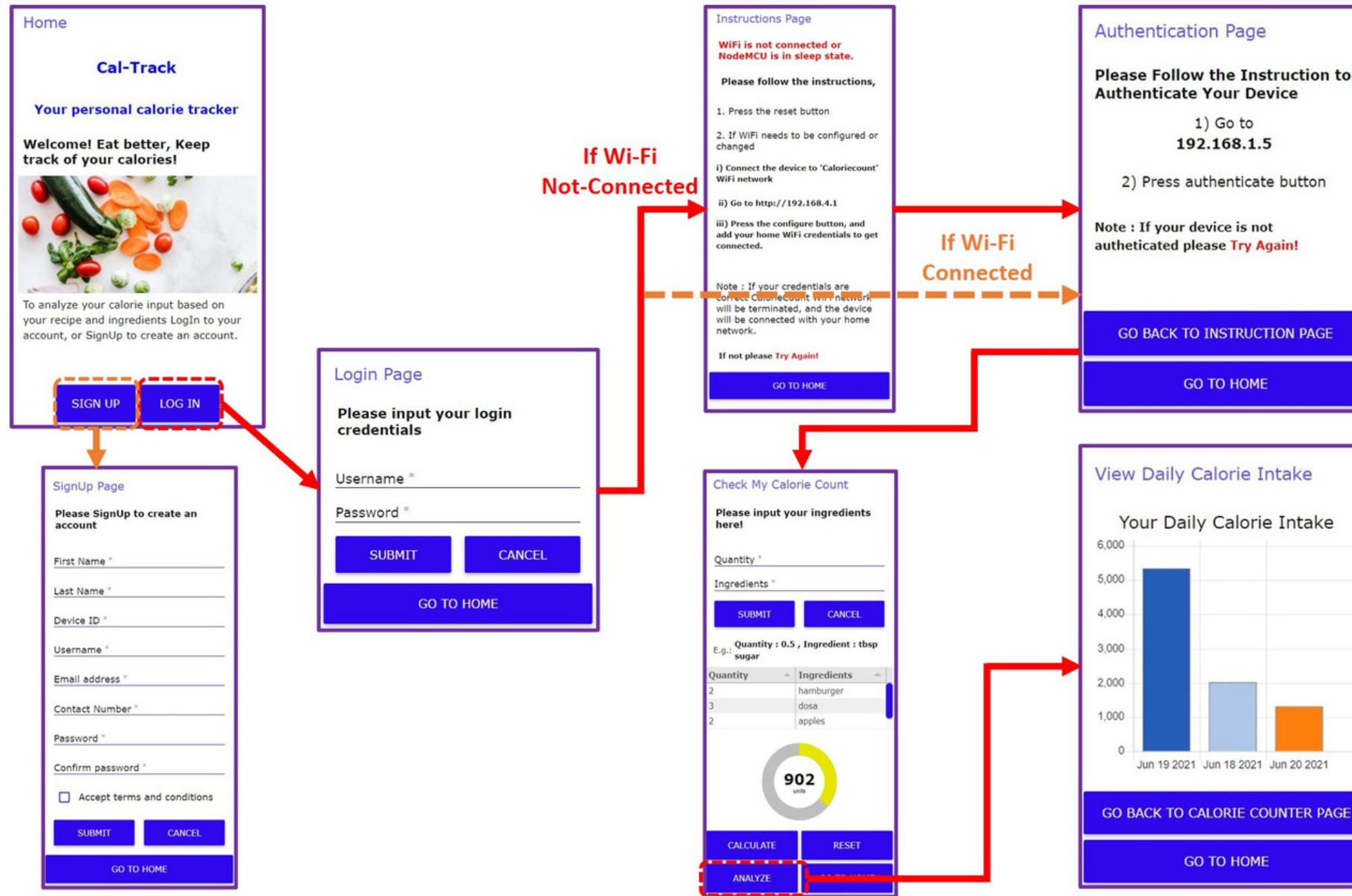
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- IoT based solution
- Track the calorie intake on the go.
- Real-time updating and viewing
- Check overall progress
- protection through 2 step varification.

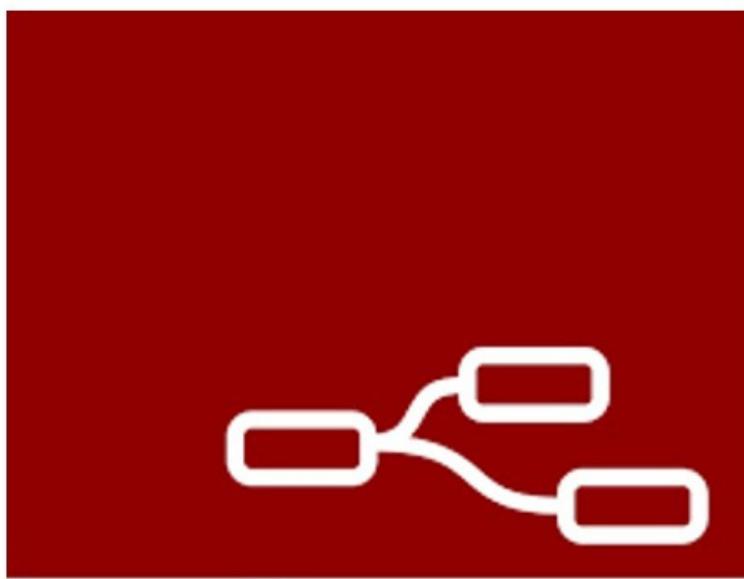
# Overall Architecture



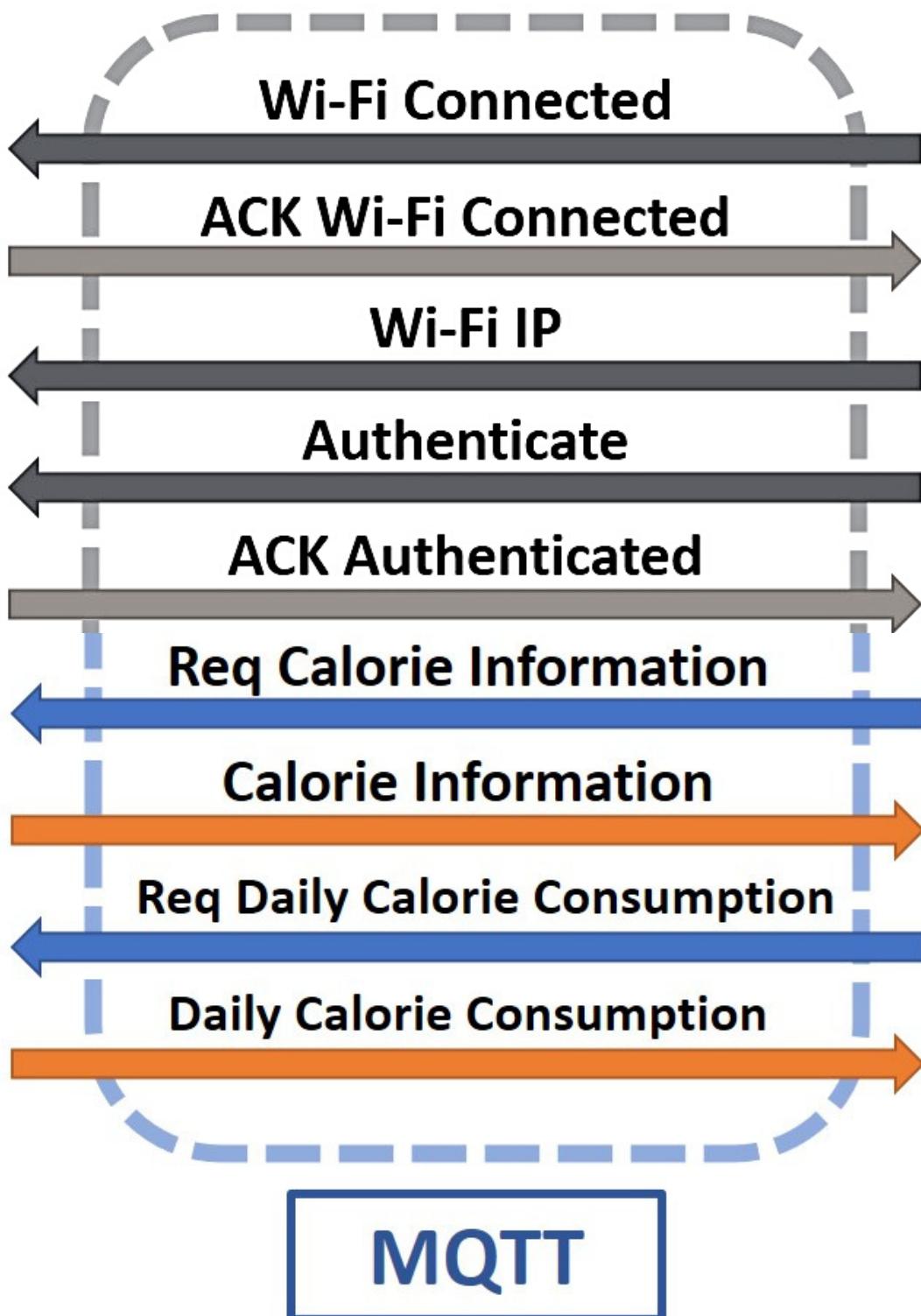
# Node-RED



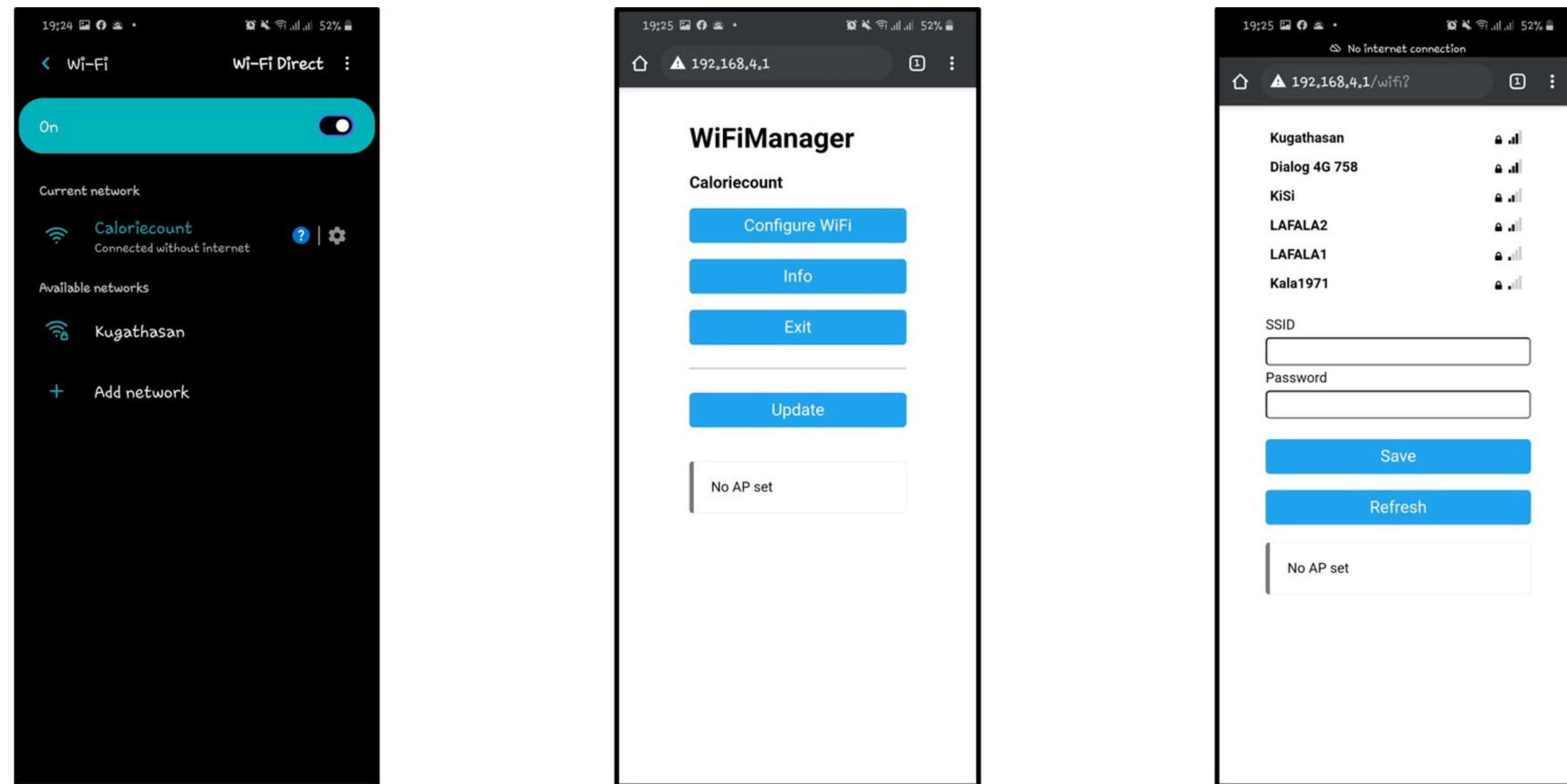
# Node MCU



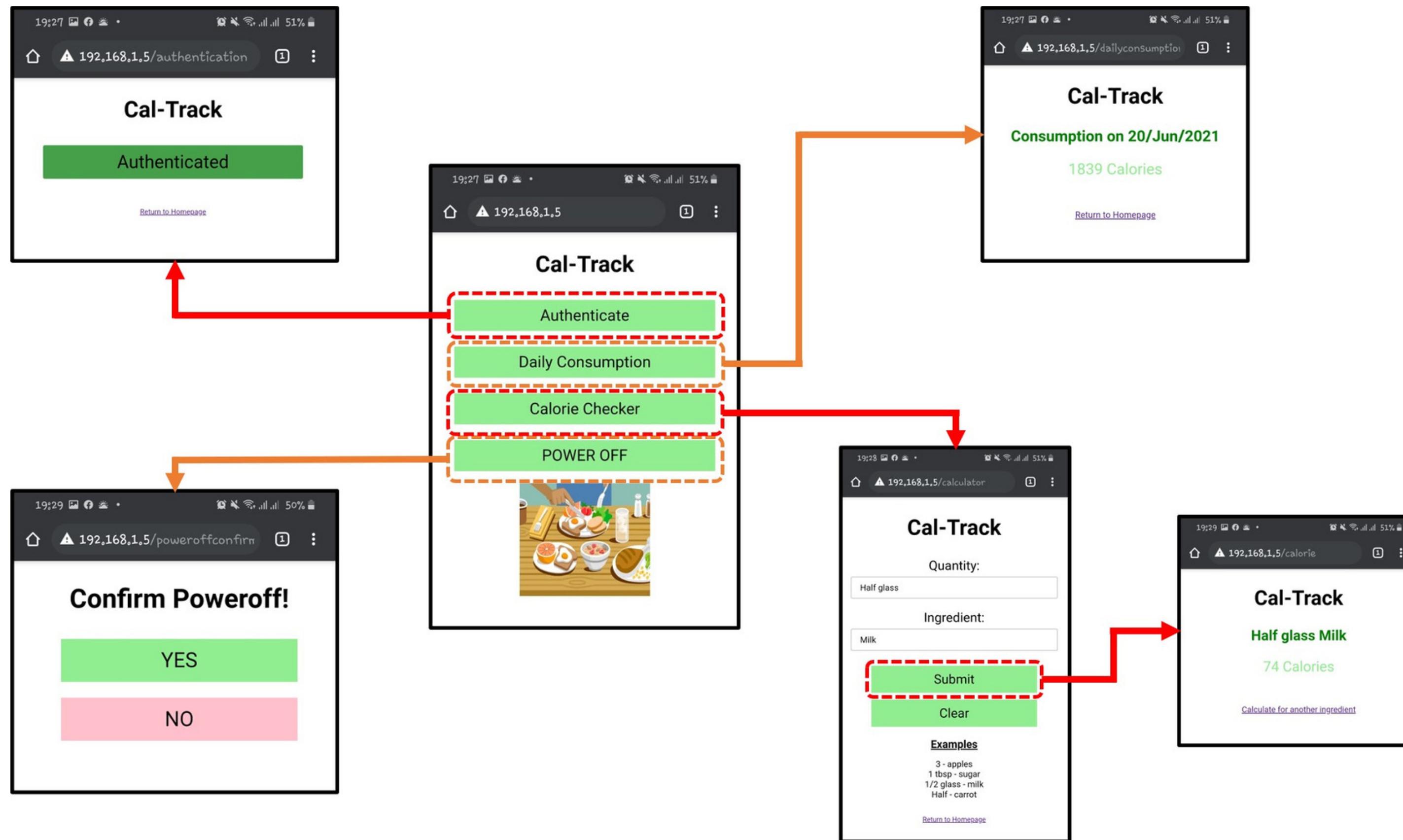
**Node-RED**



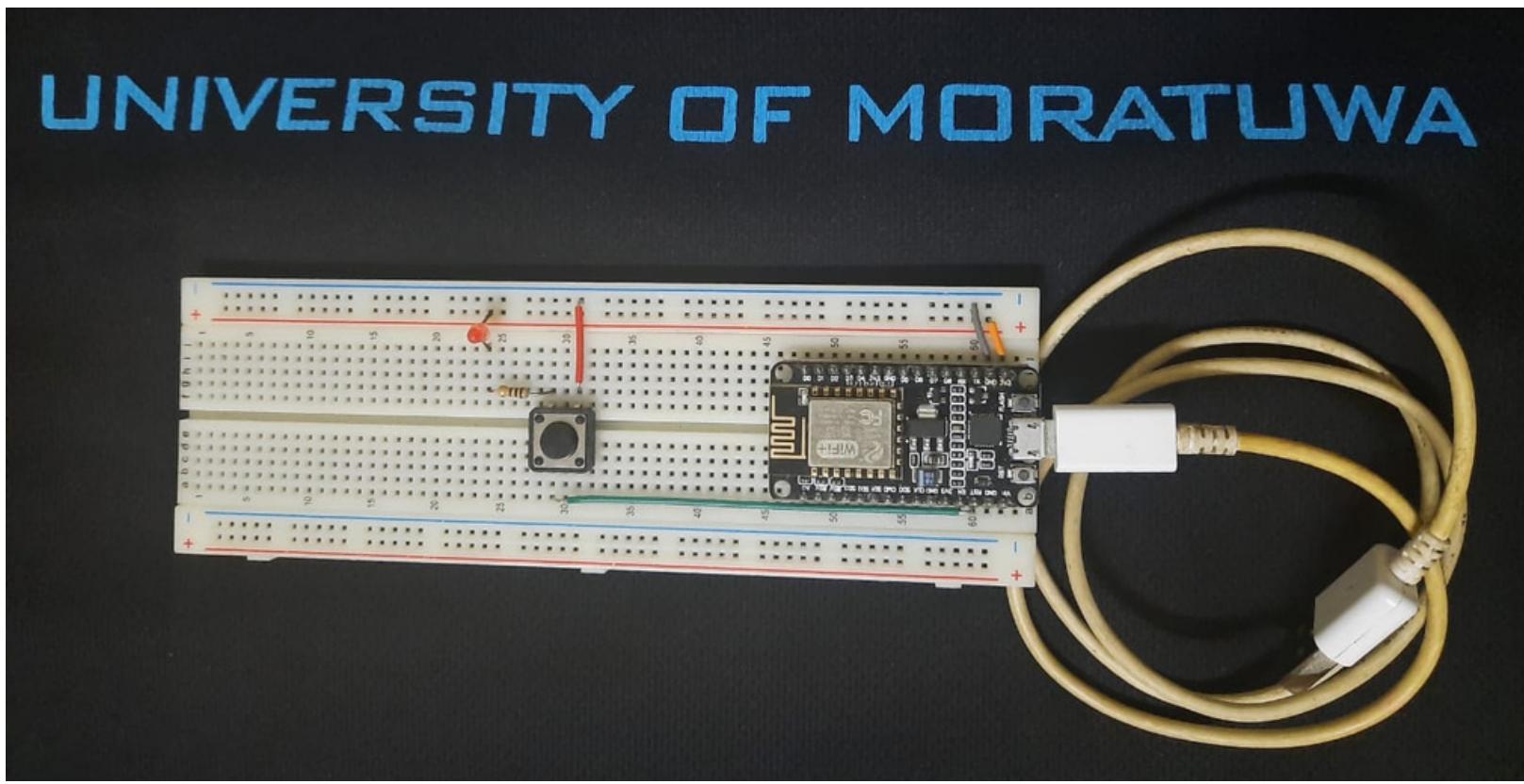
# Initial WiFi setup



# Dashboard



# Power Saving Techniques



## Deep sleep activation instances

- When the device is not connected to a WiFi network for 5 minutes.
- When the user is inactive for 5 minutes.
- When the user powers off the device through the Node MCU dashboard

# Thank You

# DEMO





**Q & A**