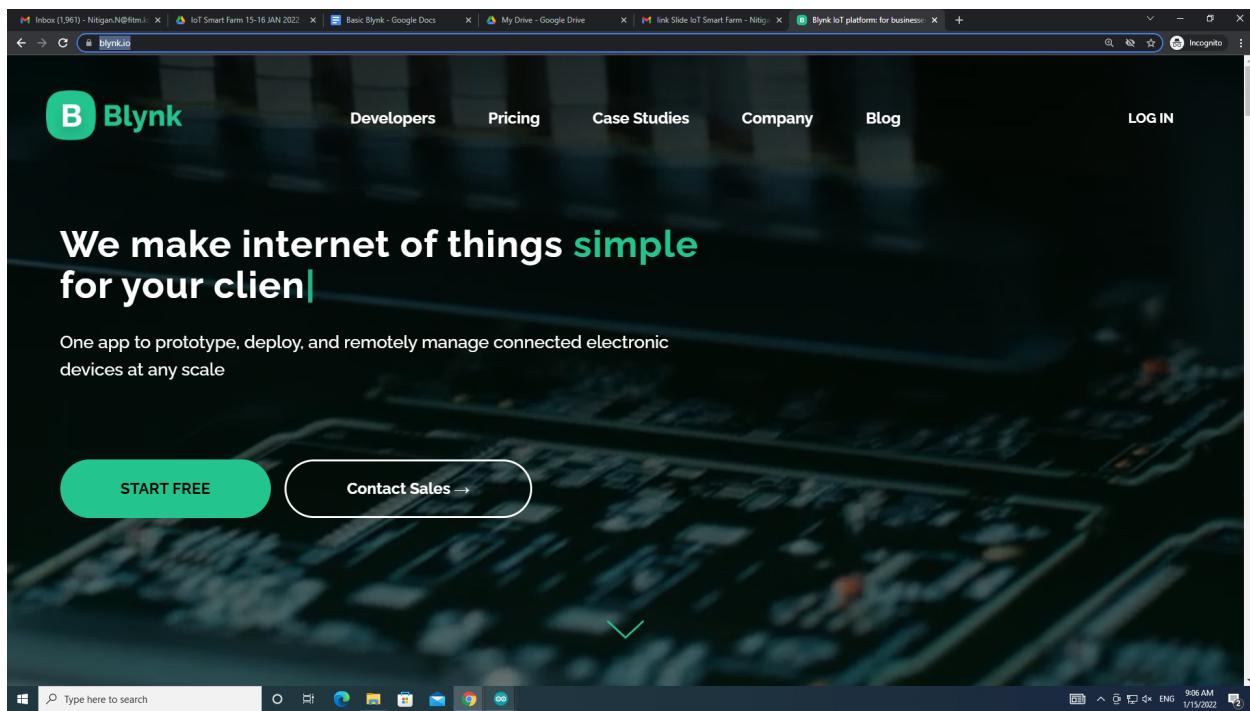
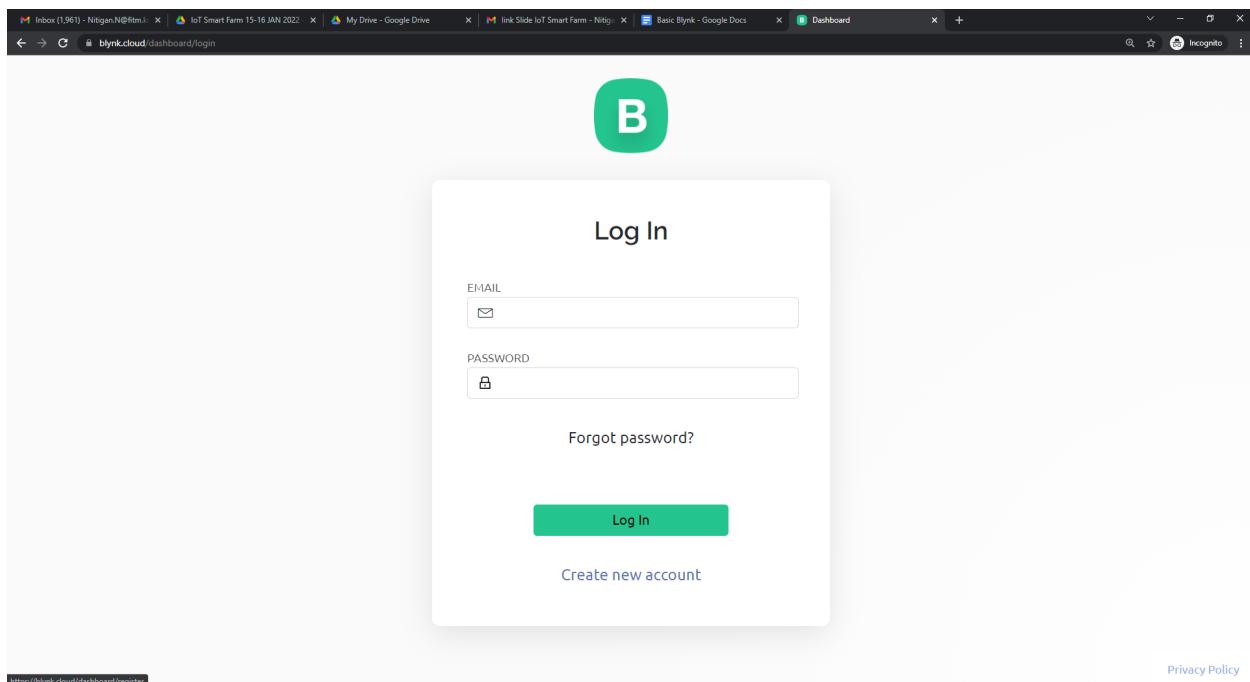


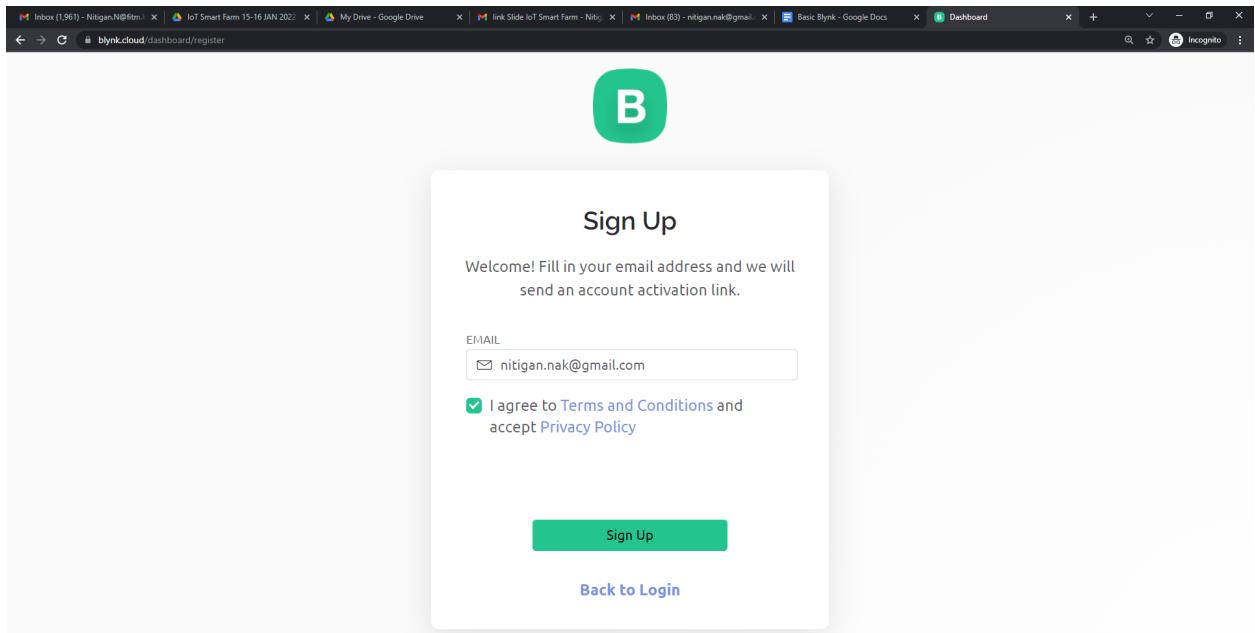
<https://blynk.io>



The screenshot shows the Blynk website homepage. At the top, there's a navigation bar with links for Developers, Pricing, Case Studies, Company, Blog, and LOG IN. The main headline reads "We make internet of things simple for your client". Below it, a sub-headline says "One app to prototype, deploy, and remotely manage connected electronic devices at any scale". There are two prominent buttons: a teal "START FREE" button and a white "Contact Sales →" button. The background features a blurred image of a circuit board. The bottom of the screen shows a Windows taskbar with various pinned icons.

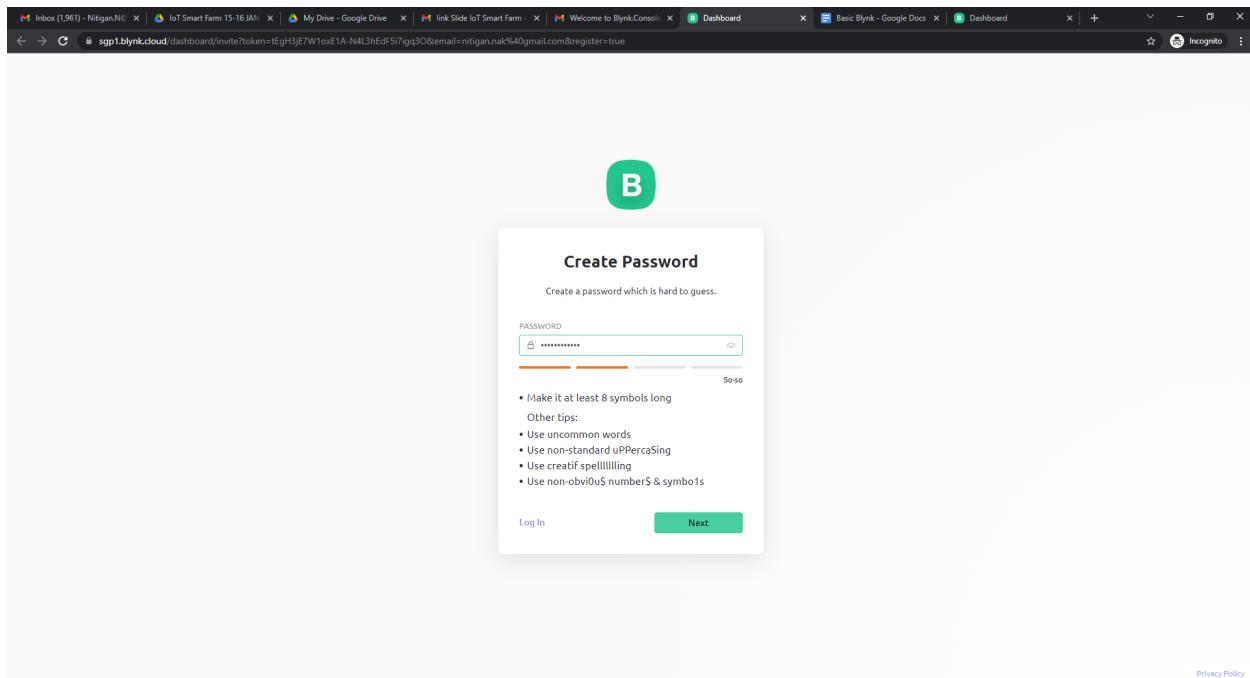
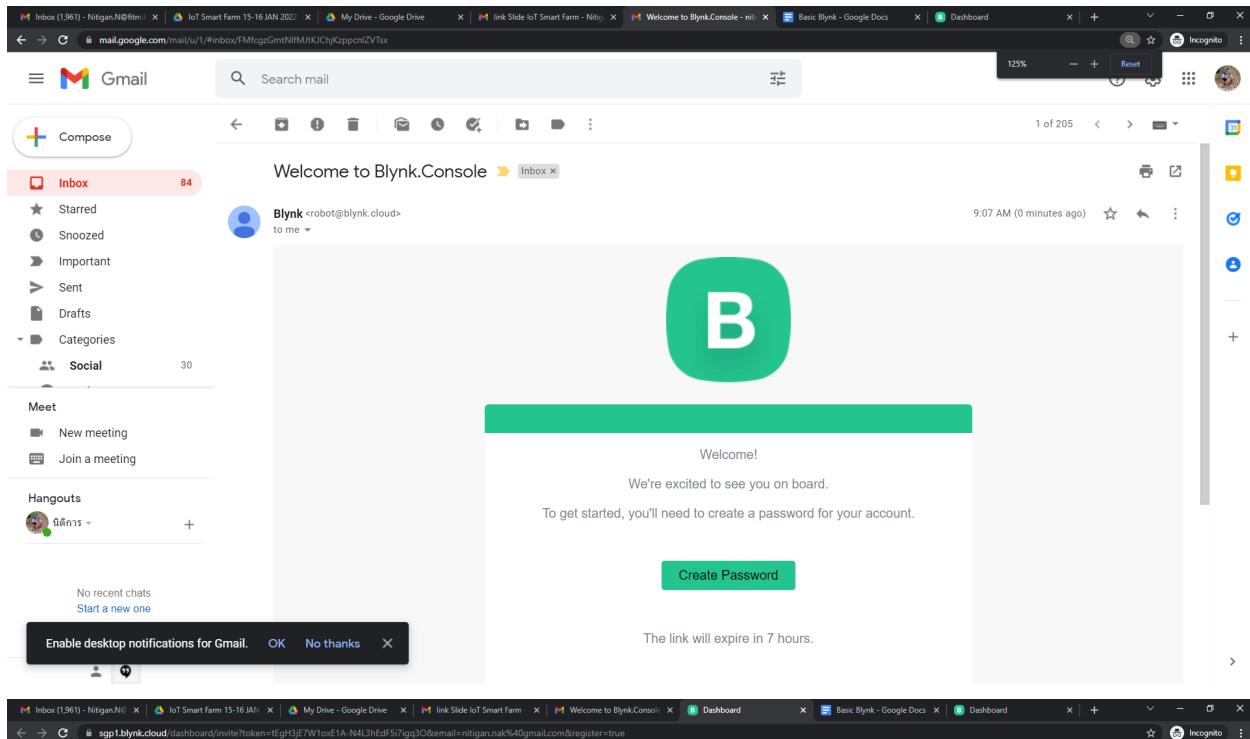


The screenshot shows the Blynk login page. It features a large teal "B" logo at the top. Below it is a "Log In" form with fields for "EMAIL" and "PASSWORD", each accompanied by an icon. A "Forgot password?" link is located below the password field. A "Log In" button is at the bottom of the form. Below the form, a "Create new account" link is visible. The page is set against a light gray background. At the very bottom, there's a small URL "https://blynk.cloud/dashboard/register" and a "Privacy Policy" link.



[Privacy Policy](#)

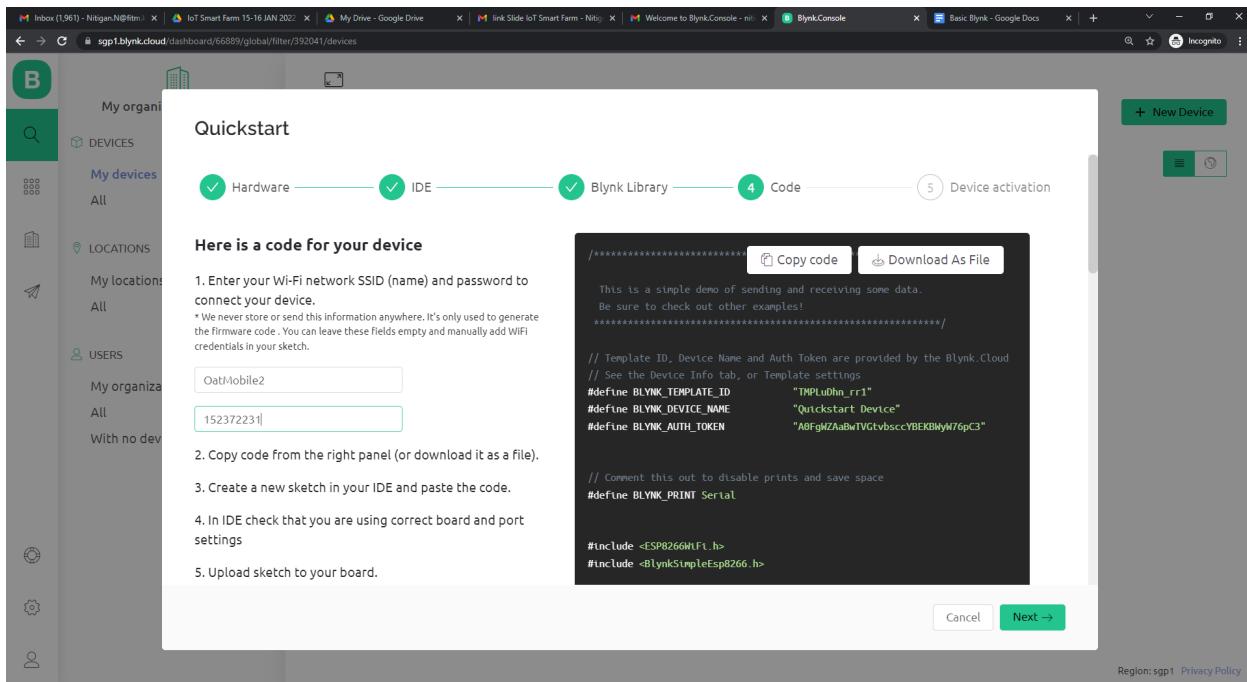
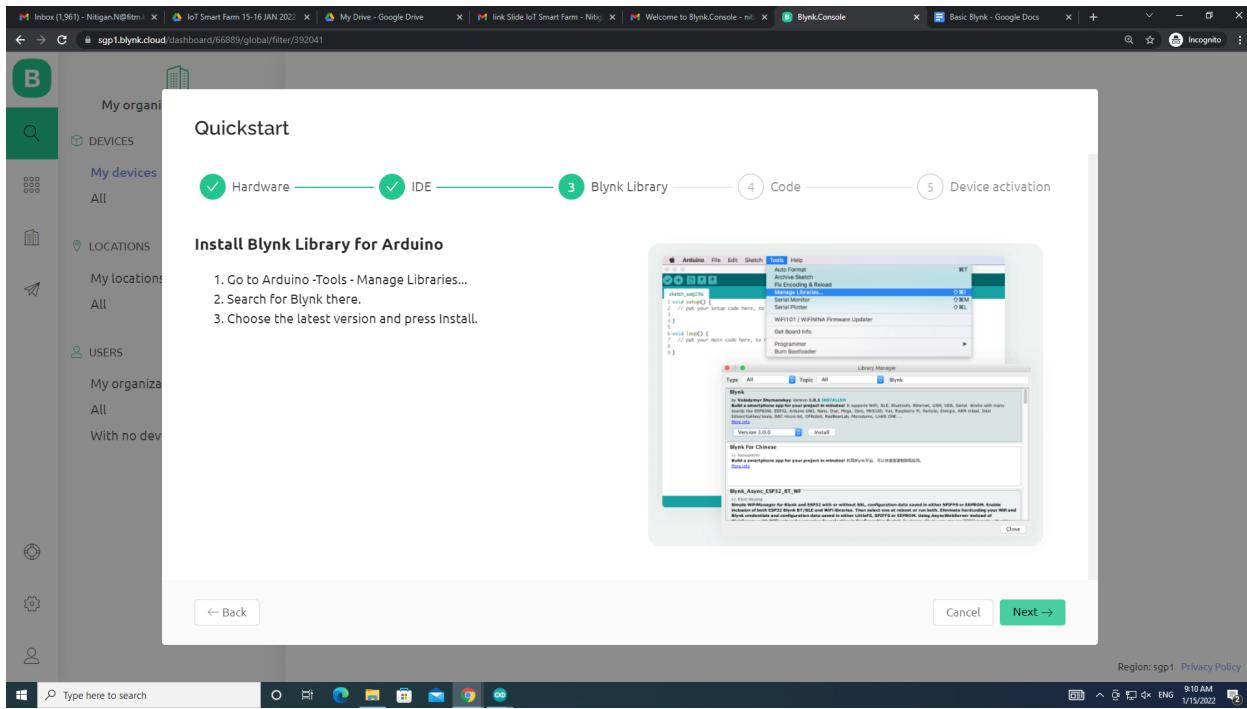
A screenshot of the Gmail inbox. The left sidebar shows navigation links: 'Compose', 'Inbox' (highlighted with a red box and showing 85 messages), 'Starred', 'Snoozed', 'Important', and 'Sent'. Below these are sections for 'Meet' and 'Hangouts'. A modal dialog at the bottom asks 'Enable desktop notifications for Gmail.' with options 'OK', 'No thanks', and 'X'. The main area displays the inbox with several messages from 'Blynk', 'Google', 'Microsoft account t.', 'The Google team', 'me', 'sysadmin', and 'Microsoft'. The messages are listed with their subject lines, senders, and dates. A 'Promotions' tab is visible with 3 new messages from 'Samsung Mobile Thailand, The...'. The top right of the screen shows a search bar, a toolbar with various icons, and a user profile picture.



Quick Start Test Blynk

The screenshot shows the Blynk Quickstart interface. A sidebar on the left contains links for My organization, DEVICES (selected), LOCATIONS, and USERS. The main area has a title 'Quickstart' and a progress bar with five steps: 1. Hardware (green circle), 2. IDE (grey circle), 3. Blynk Library (grey circle), 4. Code (grey circle), and 5. Device activation (grey circle). Step 1 is titled 'Which hardware are you using?'. It includes a search bar with 'ESP8266' typed in, a list of hardware types, and a note about compatibility: 'Supported hardware types (BLE is not supported yet).'. Below the list is a small image of an ESP8266 module. At the bottom are 'Cancel' and 'Next →' buttons.

The screenshot shows the Blynk Quickstart interface at step 2. The sidebar and progress bar remain the same. Step 2 is titled 'Which IDE do you use?'. It shows three options: 'Arduino' (selected, indicated by a green checkmark), 'PlatformIO' (indicated by a grey checkmark), and 'Other'. Each option has a 'Download →' link below it. To the right is an illustration of a laptop displaying code. At the bottom are '← Back' and 'Next →' buttons.



Click Download As File

Upload Program to NodeMCU

The screenshot shows the Arduino IDE and a terminal window. The Arduino IDE window displays the code for a Blynk demo sketch. The terminal window (COM3) shows the serial output of the NodeMCU during the upload process, including connection logs and a Blynk logo graphic.

```
firmware | Arduino 1.8.19
File Edit Sketch Tools Help
Blynk
1 // ****
2
3 This is a simple demo of sending and receiving some data.
4 Be sure to check out other examples!
5 ****
6
7 // Template ID, Device Name and Auth Token are provided by the Blynk.
8 // See the Device Info tab, or Template settings
9 #define BLYNK_TEMPLATE_ID "TMLuDhn_rrl"
10 #define BLYNK_DEVICE_NAME "Quickstart Device"
11 #define BLYNK_AUTH_TOKEN "AOFqWZAaBwTVGtvbsccYBEKBWyW76pC3
12
13
14 // Comment this out to disable prints and save space
15 #define BLYNK_PRINT Serial
16
17
18 #include <ESP8266WiFi.h>
19 #include <BlynkSimpleEsp8266.h>
20
21 char auth[] = BLYNK_AUTH_TOKEN;
22
23// Your WiFi credentials.
24// Set password to "" for open networks.
<

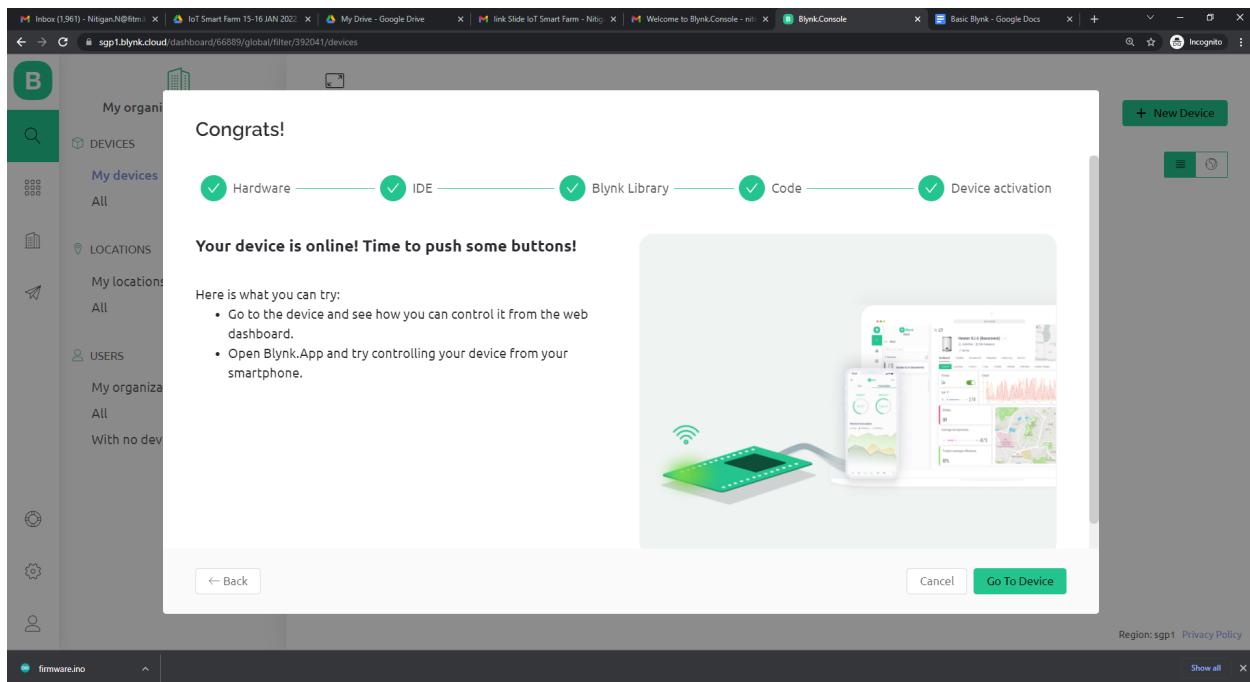
Leaving...
Hard resetting via RTS pin...
<
Type here to search
Autoscroll Show timestamp
Newline 115200 baud Clear output
9:18 AM ENG 1/15/2023
```

[7793] Connected to WiFi
[7794] IP: 192.168.43.45
[7794]

/ \) / \ _ \ \ / \ /
/ - / / / \ \ \ / \ /
/ \ \ / \ , / / / \ \ \ \ / \ / v1.0.1 on ESP8266

[7800] Connecting to blynk.cloud:80
[13804] Connecting to blynk.cloud:80
[18805] Connecting to blynk.cloud:80
[23806] Connecting to blynk.cloud:80
[23969] Ready (ping: 82ms).

Click Go to Device



The image displays two screenshots of a Blynk device dashboard, likely from a laptop or desktop computer. The top screenshot shows a 'Quickstart Device' connected to 'Nitigan' in 'My organization - 7920YP'. The bottom screenshot shows the same device after a change in state.

Top Dashboard (Initial State):

- Button Control:** Off
- Switch Value:** 0
- Uptime:** 84

Bottom Dashboard (After Change):

- Button Control:** On
- Switch Value:** 1
- Uptime:** 109

Both dashboards include a sidebar with icons for battery, signal, and user, and a footer with links for Region: sgp1, Privacy Policy, and a link to firmware.ino.

Create New Template

The screenshot shows the Blynk Templates page. On the left is a sidebar with icons for Home, Devices, Sensors, Actuators, Scripts, and Help. The main area displays two templates:

- Quickstart Template**: 1 Device
- testNewBlynk**: 1 Device

A search bar labeled "Search Templates" is at the top. A green button in the top right corner says "+ New Template". At the bottom right, it says "Region: sgp1 Privacy Policy".

The screenshot shows the "Create New Template" dialog box. It has fields for NAME (containing "newDHT"), HARDWARE (containing "ESP8266"), and CONNECTION TYPE (containing "WiFi"). The hardware dropdown lists other options like Arduino, BBC Micro:bit, ESP32, and Particle. The connection type dropdown lists WiFi, LAN, and Cellular. At the bottom are "Cancel" and "Done" buttons, with a progress indicator showing "19 / 128".

DataStreams

The screenshot shows the Blynk DataStreams configuration interface for a device named "newDHT". The top navigation bar includes tabs for Info, Metadata, Datastreams (which is currently selected), Events, Web Dashboard, and Mobile Dashboard. On the right side of the header are buttons for Delete, Cancel, and Save. Below the tabs, there is a section titled "Datastreams" with a brief description: "Datastreams is a way to structure data that regularly flows in and out from device. Use it for sensor data, any telemetry, or actuators." A green button labeled "+ New Datastream" is centered below this text. To the left of the main content area is a sidebar containing icons for search, file, network, power, gear, and user.

New data stream for Temperature

The screenshot shows the "Virtual Pin Datastream" configuration dialog for the "Temperature" stream. The dialog has fields for NAME (set to "Temperature") and ALIAS (also set to "Temperature"). Under the PIN section, "V0" is selected as the pin and "Double" as the data type. In the UNITS section, "None" is chosen. The MIN value is 0, MAX is 100, DECIMALS is set to "#.##", and the DEFAULT VALUE is 0. A checkbox for "Thousands separator (e.g. 10,000)" is present but unchecked. At the bottom of the dialog are "Cancel" and "Create" buttons. The status bar at the bottom right indicates the region as "sgp1" and links to "Privacy Policy".

New data stream for Humidity

The screenshot shows the Blynk Console interface for creating a new data stream. The title bar says "newDHT". The main form is titled "Virtual Pin Datastream". It contains the following fields:

NAME	ALIAS
Humidity	Humidity

Below this, there are fields for "PIN" (V1) and "DATA TYPE" (Double). Under "UNITS", "None" is selected. In the "MIN" field, "0" is entered. In the "MAX" field, "100" is entered. The "DECIMALS" field has ".##" selected. The "DEFAULT VALUE" is set to "0". A checkbox for "Thousands separator (e.g. 10,000)" is unchecked. At the bottom right are "Cancel" and "Create" buttons.

The screenshot shows the Blynk Console interface displaying a list of data streams. The title bar says "newDHT". The navigation tabs include "Info", "Metadata", "Datastreams" (which is underlined), "Events", "Web Dashboard", and "Mobile Dashboard". The search bar says "Search datastream" and the "New Datastream" button is visible. The table below lists two data streams:

	Id	Name	Alias	Color	Pin	Data Type	Actions
1	Temperature	Temperature	Temperature	Blue	V0	Double	
2	Humidity	Humidity	Humidity	Green	V1	Double	

At the bottom right, it says "Region: sgp1 Privacy Policy".

Create Dashboard

Add Widget Gauge For Temperature and Humidity

newDHT

Info Metadata Datastreams Events Web Dashboard Mobile Dashboard

Slider 8

Switch

Label 112

Gauge 42

Add new widget

Double click on one of the widget types or Drag and Drop it to the Dashboard and add a data for visualization. You may resize a widget and change its position.

Delete Cancel Save

Region: sgp1 Privacy Policy

newDHT

Info Metadata Datastreams Events Web Dashboard Mobile Dashboard

Slider 8

Switch

Label 112

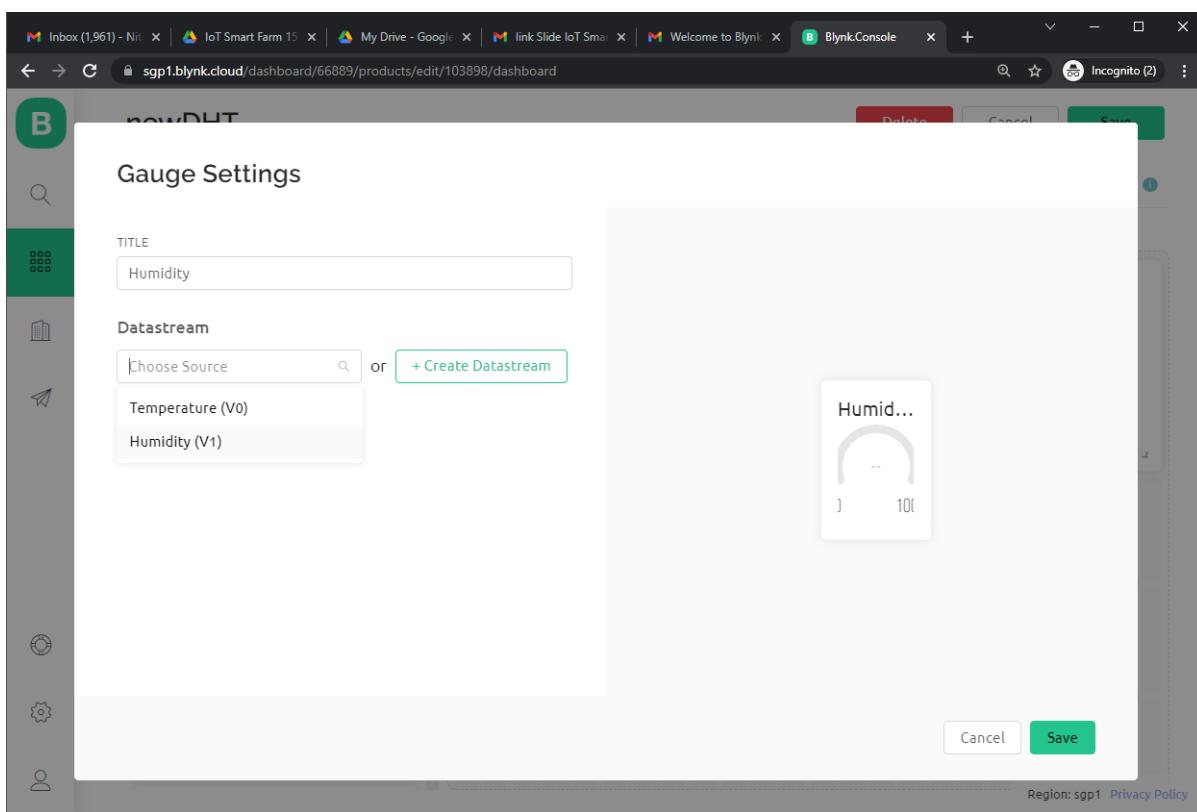
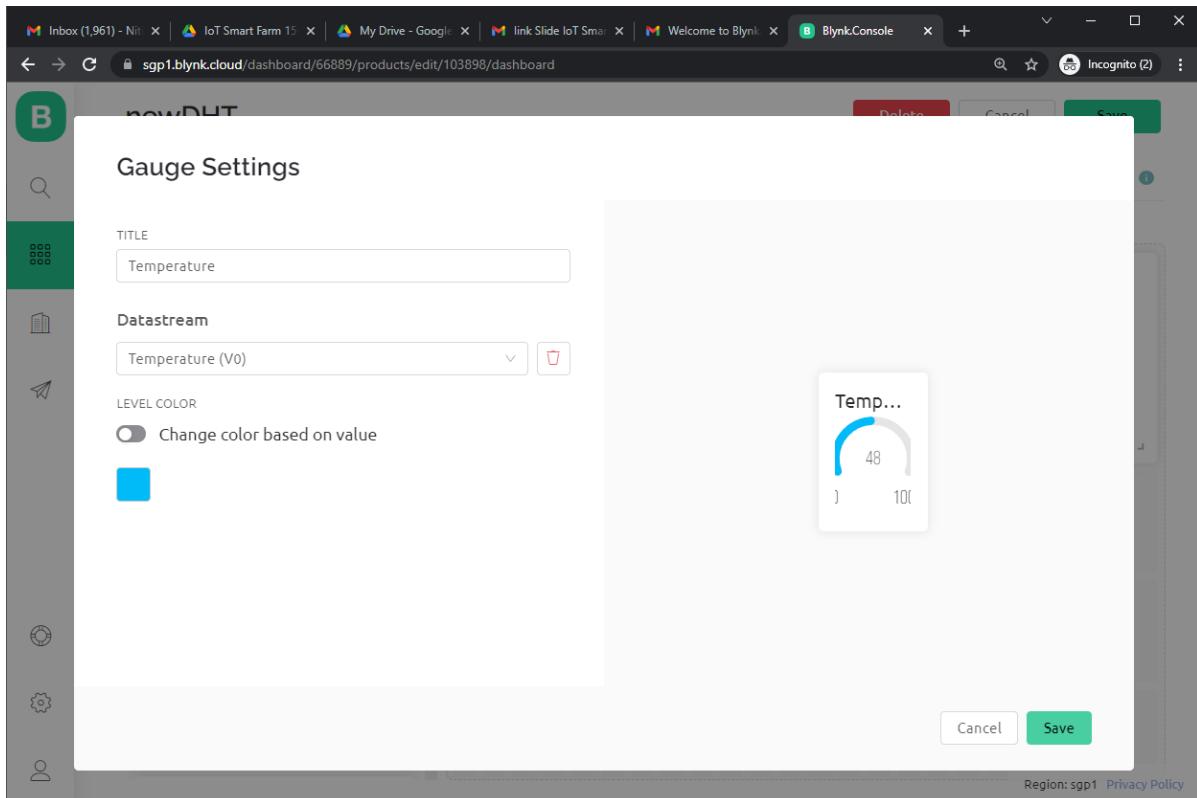
Gauge 42

Gauge 25

Delete Cancel Save

Region: sgp1 Privacy Policy

Gauge Setting



Create New Device

The screenshot shows the Blynk Web Dashboard Template for a device named "newDHT". The dashboard has a header with tabs: Info, Metadata, Datastreams, Events, Web Dashboard (which is underlined in green), and Mobile Dashboard. Below the tabs is a section titled "Web Dashboard Template" with the sub-instruction "Set how the dashboard of the devices will look like. Use search to find the device with real data.". On the left side, there is a vertical sidebar with icons for search, location, settings, and user. The main content area displays two circular gauge charts. The first chart, labeled "Temperature (V0)", shows a value of 27 with a scale from 0 to 100. The second chart, labeled "Humidity (V1)", shows a value of 58 with a scale from 0 to 100. At the bottom right of the dashboard, it says "Region: sgp1 Privacy Policy".

The screenshot shows the "New Device" creation dialog in the Blynk Console. The dialog title is "New Device" and it asks "Choose a way to create new device". There are three options: "From template" (represented by a 3x3 grid of circles), "Scan QR code" (represented by a QR code icon), and "Manual entry" (represented by a keyboard icon). A "Cancel" button is at the bottom right of the dialog. The background shows the Blynk Console interface with sections for "My organization", "DEVICES", "My devices", "LOCATIONS", "My location", "USERS", and "Actions". The status bar at the bottom right indicates "Region: sgp1 Privacy Policy".

Choose Template

The screenshot shows the Blynk Console interface. On the left, there's a sidebar with categories like DEVICES, LOCATIONS, and USERS. The main area is titled 'My devices' and shows a list of existing devices: 'My devices' (1), 'All' (1), 'My locations' (0), 'All' (0), and 'My organization members' (1). A modal window titled 'New Device' is open in the center. It contains a search bar for 'TEMPLATE' with the text 'newDHT'. Below it is a dropdown menu showing 'Quickstart Template' and 'testNewBlynk', with 'newDHT' selected. At the bottom of the modal are 'Cancel' and 'Create' buttons. The status bar at the bottom right indicates 'Region: sgp1' and 'Privacy Policy'.

Click Create and Copy Code to Clipboard

The screenshot shows the Blynk Console interface after creating a new device. The sidebar now lists '2 Devices': 'testNewBlynk' and 'newDHT'. The 'newDHT' device is selected, and its dashboard is displayed. The dashboard includes a summary card for 'newDHT' (offline), a 'Dashboard' tab (which is active), a 'Timeline' tab, and a 'Device Info' tab. Below the tabs is a circular gauge for 'Temperature' with a value of 0. To the right of the gauge is a button labeled 'Copy to clipboard'. A modal window titled 'New Device Created!' is overlaid on the dashboard, displaying the generated code:

```
#define BLYNK_TEMPLATE_ID "TMPLCEVDOVVL"
#define BLYNK_DEVICE_NAME "newDHT"
#define BLYNK_AUTH_TOKEN "JQYETsatUu7sQExt-8_FX8rSrW_7kAsg"
```

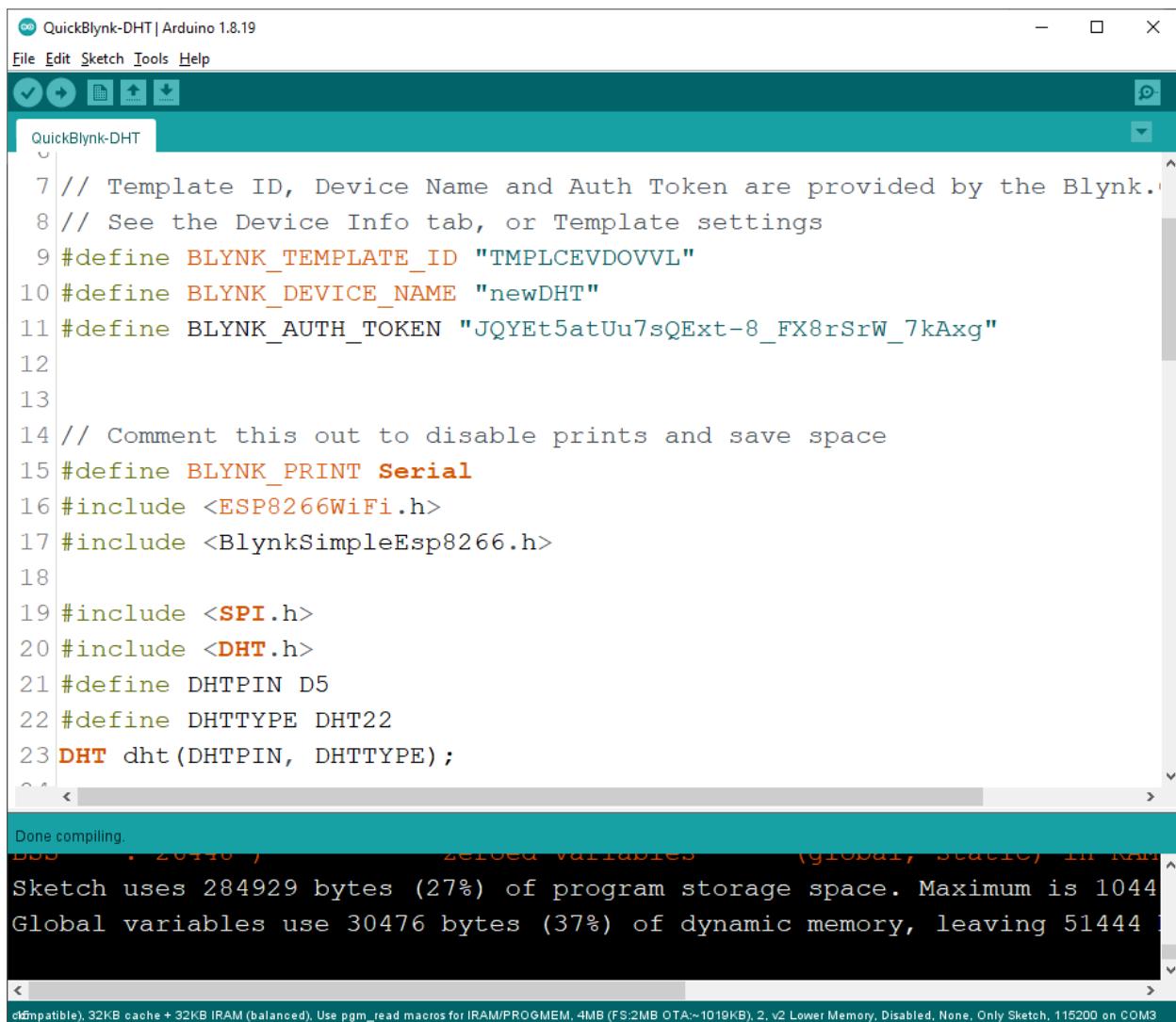
Below the code, a note says: 'Template ID, Device Name, and AuthToken should be declared at the very top of the firmware code.' The status bar at the bottom right indicates 'Region: sgp1' and 'Privacy Policy'.

Coding Program

Download QuickBlynk-DHT

** and Edit Code with your Template ***

```
#define BLYNK_TEMPLATE_ID "TMPLCEVDOVVL"
#define BLYNK_DEVICE_NAME "newDHT"
#define BLYNK_AUTH_TOKEN "JQYEt5atUu7sQExt-8_FX8rSrW_7kAxg"
```

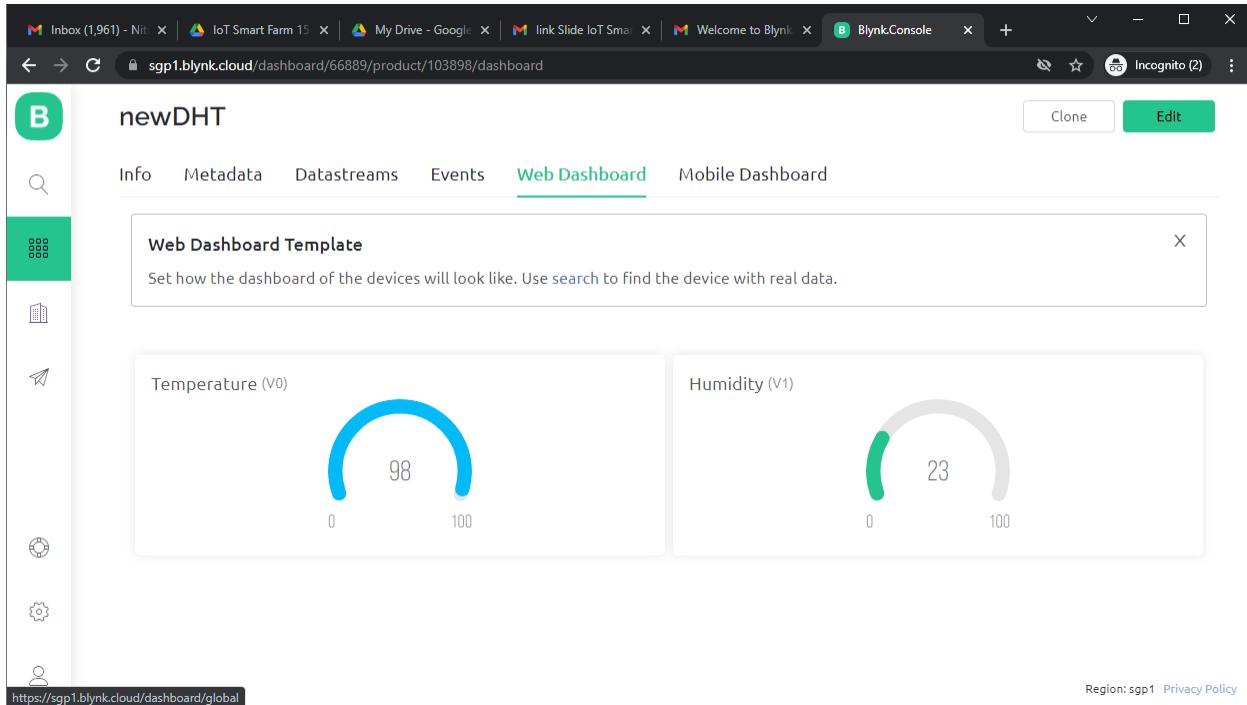


The screenshot shows the Arduino IDE interface with the title bar "QuickBlynk-DHT | Arduino 1.8.19". The menu bar includes File, Edit, Sketch, Tools, and Help. Below the menu is a toolbar with icons for file operations. The main window displays the code for the "QuickBlynk-DHT" sketch. The code defines template ID, device name, and auth token. It includes comments for disabling prints, imports for WiFi and Blynk libraries, and defines DHT pin and type. The serial monitor at the bottom shows the compilation message: "Done compiling." followed by memory usage statistics: "Sketch uses 284929 bytes (27%) of program storage space. Maximum is 1044. Global variables use 30476 bytes (37%) of dynamic memory, leaving 51444". The status bar at the bottom indicates "compatible, 32KB cache + 32KB IRAM (balanced), Use pgm_read macros for IRAM/PROGMEM, 4MB (FS:2MB OTA:~1019KB), 2, v2 Lower Memory, Disabled, None, Only Sketch, 115200 on COM3".

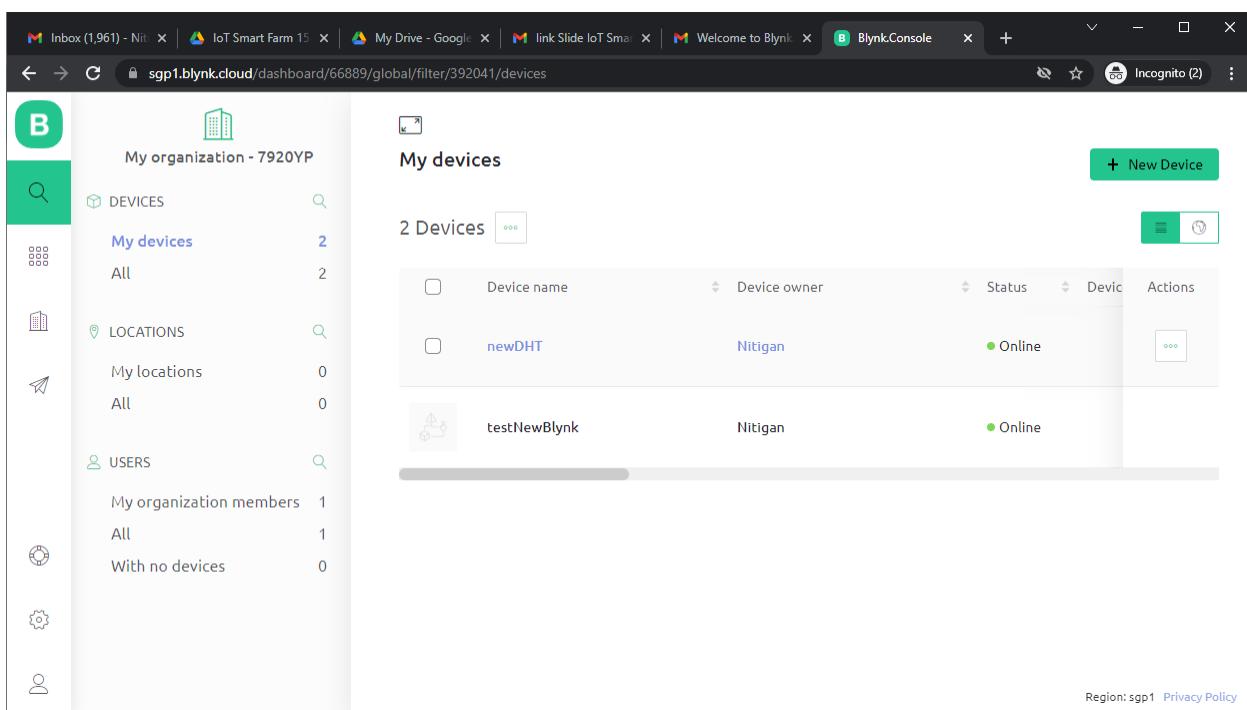
Edit Code and Upload Program to NodeMCU

Display Data from DHT Sensor with Blynk dashboard

Click search to display real data from sensor.



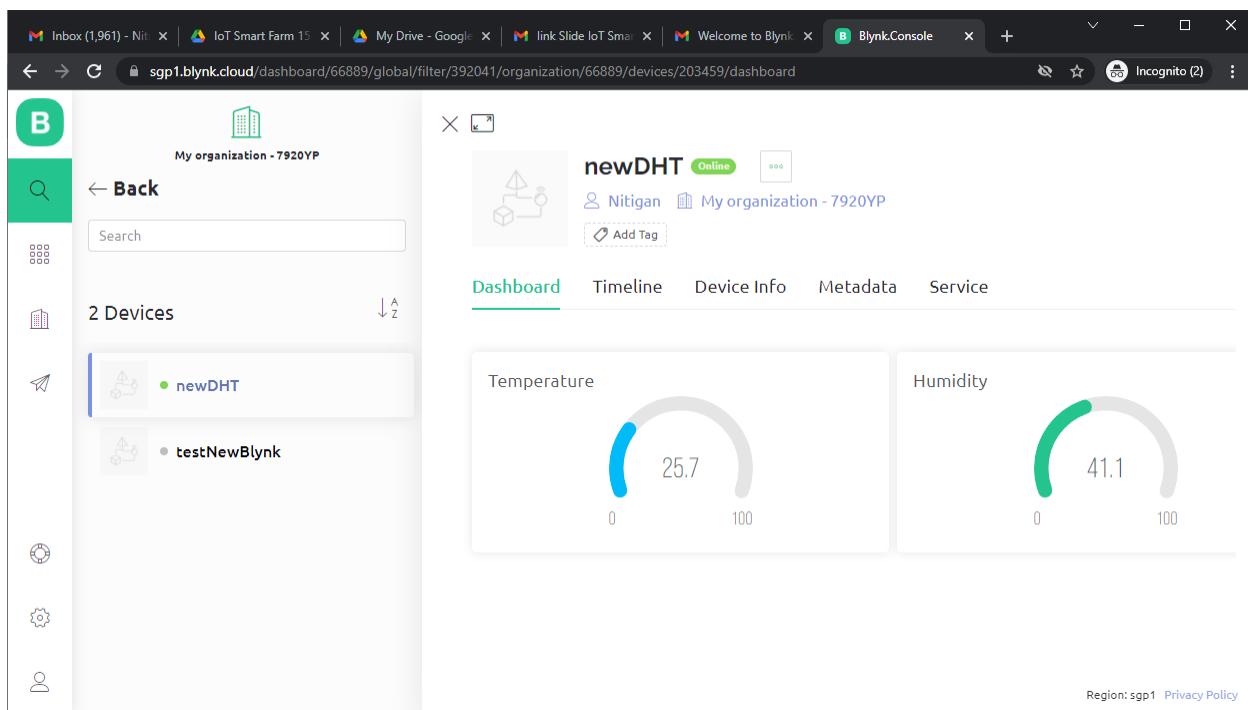
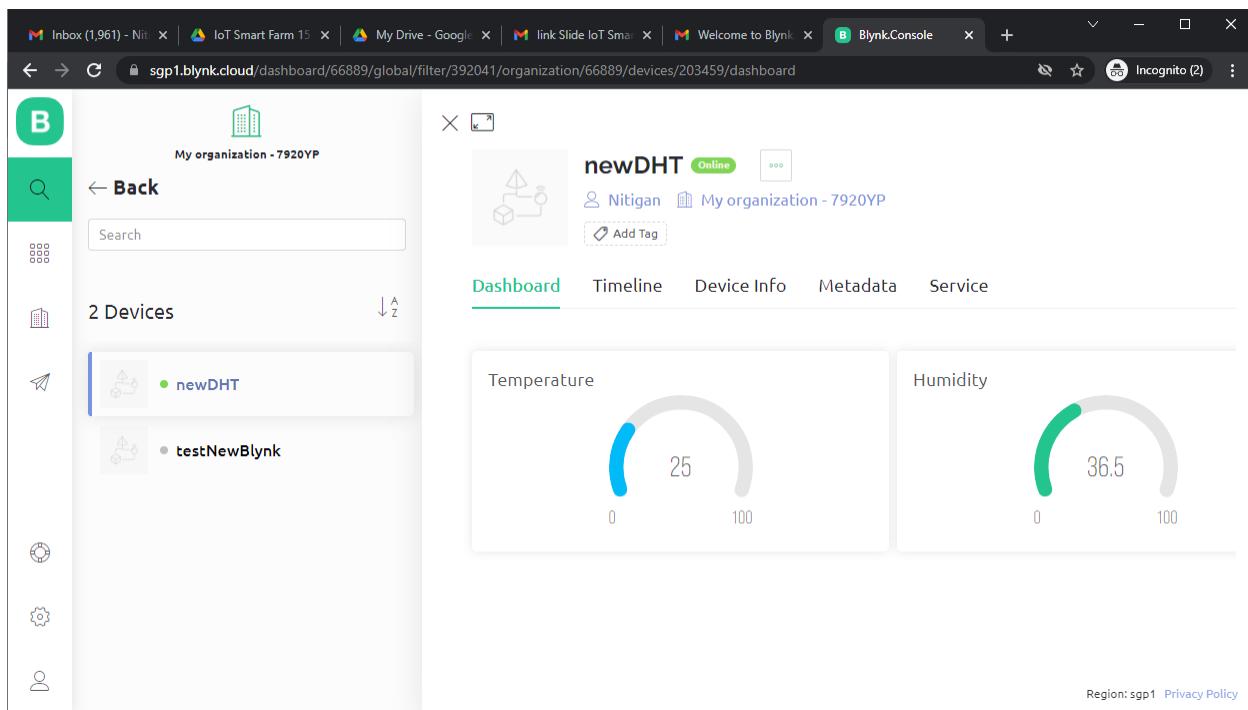
The screenshot shows the 'Web Dashboard' tab selected in the Blynk console. A modal window titled 'Web Dashboard Template' is open, instructing the user to set how the dashboard of the devices will look like. Below the modal, there are two circular gauge widgets. The left gauge is labeled 'Temperature (V0)' and has a value of 98. The right gauge is labeled 'Humidity (V1)' and has a value of 23. Both gauges have scales from 0 to 100.



The screenshot shows the 'My devices' section of the Blynk console. It displays a list of connected devices. There are two entries: 'newDHT' and 'testNewBlynk'. Both devices are owned by 'Nitigan' and are currently online. The table includes columns for Device name, Device owner, Status, and Actions.

Device name	Device owner	Status	Actions
newDHT	Nitigan	Online	[Actions]
testNewBlynk	Nitigan	Online	[Actions]

Dashboard



Install Blynk Application

NoxPlayer 7.0.1.6

11:04

blynk

Chimeraland AD
★ 4.0
Chimeraland เป็นเกมเปิดโลกที่เป็นแนวกรรมใหม่

Blynk (legacy)
★ 4.4
สร้าง app IOT ใน 5 นาที ทำงานร่วมกับ Arduino, ESP8266, ESP32, raspberrypi Pi และ

ONE PUNCH MAN: The Strongest
★ 3.8
"ONE PUNCH MAN" เกมมือถือแรกที่ได้รับลิขสิทธิ์อย่างเป็นทางการ "ป้าวโน" หลุดเลยส์!

Blynk IoT
★ 4.3
แอพเดียวสำหรับทุกอุปกรณ์

ESP8266 Loader (Blynk Uploader)
★ 4.3
Android App สำหรับคณภาพการพัฒนาไฟล์ซ ESP8266 ผ่าน OTG USB หรือ WiFi (OTA)

Related To Your Search

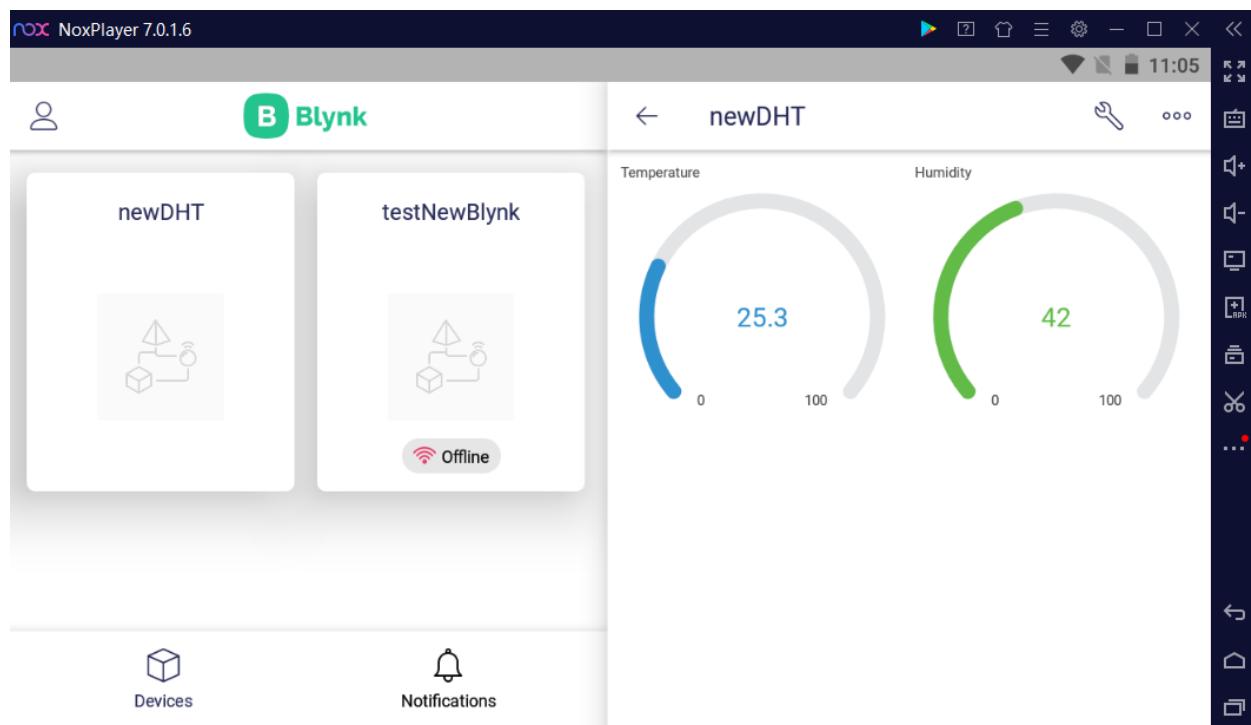
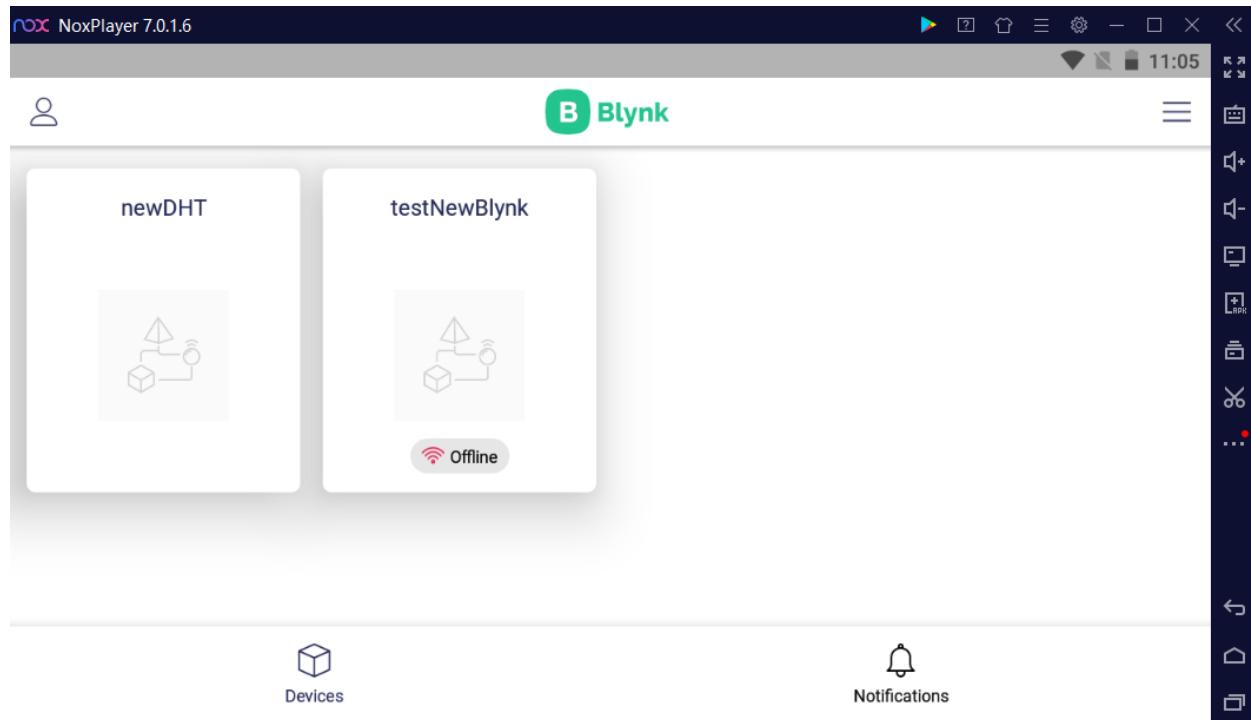
NoxPlayer 7.0.1.6

11:04

Blynk

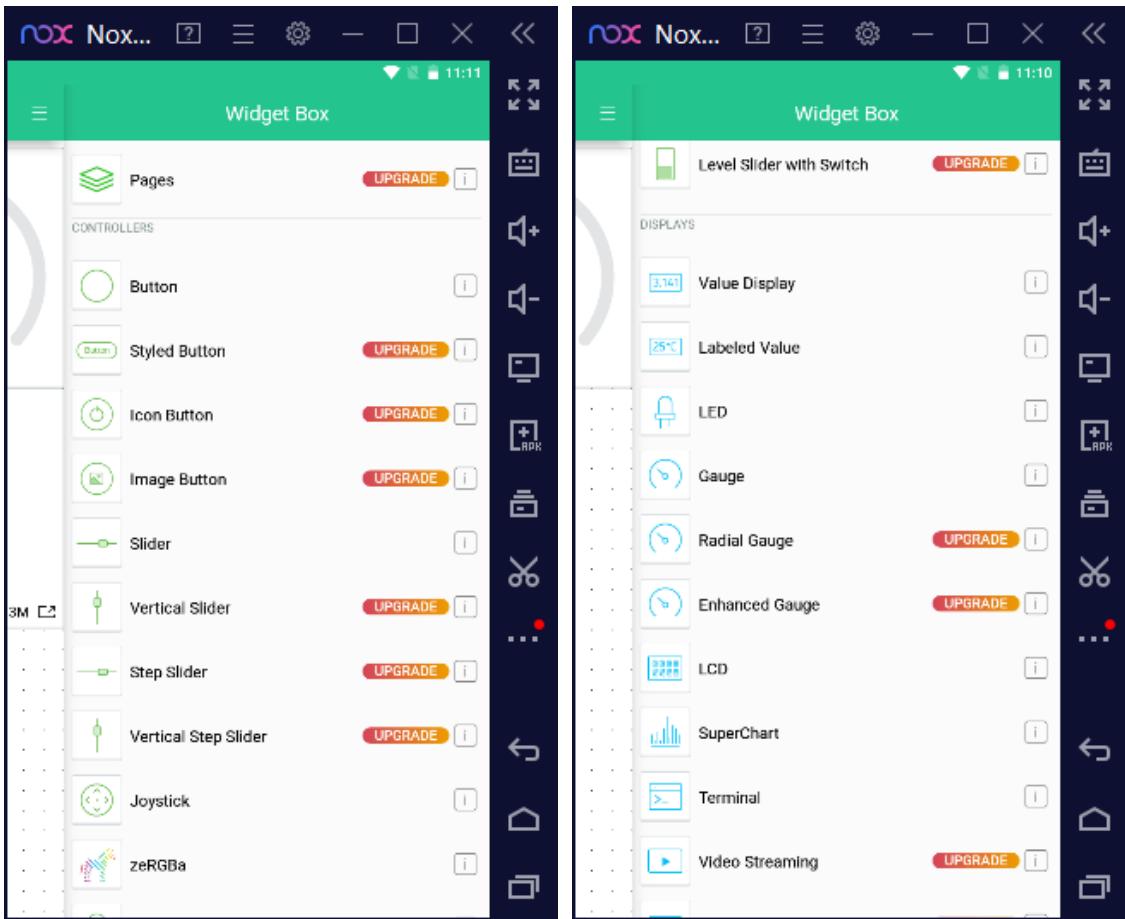
Sign Up

Log In



Set Up Mobile App Dashboard

Add Widget



Display Data From DHT with SuperChart

Add Widget Super Chart and Setting

The image displays two screenshots of the Nox mobile application interface.

Left Screenshot: Shows a dashboard titled "newDHT". It features two circular gauges: one for "Temperature" (labeled V0) and one for "Humidity" (labeled V1). Both gauges have scales from 0 to 100. Below the gauges is a timeline selector with options: Live, 1h, 6h, 1d, 1w, 1M, 3M, and a refresh icon. To the right of the timeline are several dark blue icons: a double arrow, a single arrow, a clipboard, a speaker with volume, a speaker with minus, a speaker with plus, a monitor, a plus sign with a gear, a clipboard with a minus, a pair of scissors, and three dots.

Right Screenshot: Shows the "SuperChart Settings" screen. At the top, it says "SuperChart Settings" with a back arrow. The screen contains the following sections:

- Title (optional):** A text input field with a placeholder and a dark blue circular icon.
- ALIGNMENT:** Buttons for horizontal and vertical alignment.
- DESIGN:** Buttons for alignment, font style, and color.
- DATASTREAMS:** A green "+ Add Datastream" button.
- TITLE:** A section with "HIDE" and "SHOW" toggle switches.
- LEGEND:** A section with "HIDE" and "SHOW" toggle switches.
- SHOW X-AXIS (TIME):** A section with "OFF" and "ON" toggle switches.
- OVERRIDE AUTO SCALING FOR ALL DATASTREAMS:** A section with "OFF" and "ON" toggle switches.

On the far right of the settings screen, there are vertical icons for double and single arrows, a clipboard, a speaker with volume, a speaker with minus, a speaker with plus, a monitor, a plus sign with a gear, a clipboard with a minus, a pair of scissors, and three dots.

Add DataStream

The image consists of four screenshots of the NoxPlayer application interface, arranged in a 2x2 grid. Each screenshot shows a different step in the process of adding a DataStream.

Screenshot 1 (Top Left): A search bar labeled "Select Data Stream" with a placeholder "Search...". Below it is a list of options: "None", "Temperature", and "Humidity". The "Temperature" option is selected.

Screenshot 2 (Top Right): The "Temperature" DataStream is selected. The "DESIGN" section shows "STYLE: LINE" and "COLOR" (dark blue). The "DATASOURCE" section shows "Temperature". The "Y-AXIS" section has "AUTO" selected. The "CONNECT MISSING DATA POINTS" switch is set to "ON". The "Y-AXIS VALUES" section has "HIDE" set to "OFF" and "SHOW" set to "ON". A red "Delete" button is visible at the bottom.

Screenshot 3 (Bottom Left): The "Temperature" DataStream is selected in the "SuperChart Settings" screen. The "NAME" field is populated with "Temperature". The "ADD Datasream" button is visible. The "TITLE" section has "HIDE" set to "OFF" and "SHOW" set to "ON". The "LEGEND" section has "HIDE" set to "OFF" and "SHOW" set to "ON". The "SHOW X-AXIS (TIME)" section has "OFF" set to "ON".

Screenshot 4 (Bottom Right): The "Temperature" DataStream is selected in the "SuperChart Settings" screen. The "NAME" field is populated with "Select Data Stream". The "ADD Datasream" button is visible. The "TITLE" section has "HIDE" set to "ON" and "SHOW" set to "OFF". The "LEGEND" section has "HIDE" set to "ON" and "SHOW" set to "OFF". The "SHOW X-AXIS (TIME)" section has "OFF" set to "ON". A red "Delete" button is visible at the bottom.

Start Mobile Dashboard

