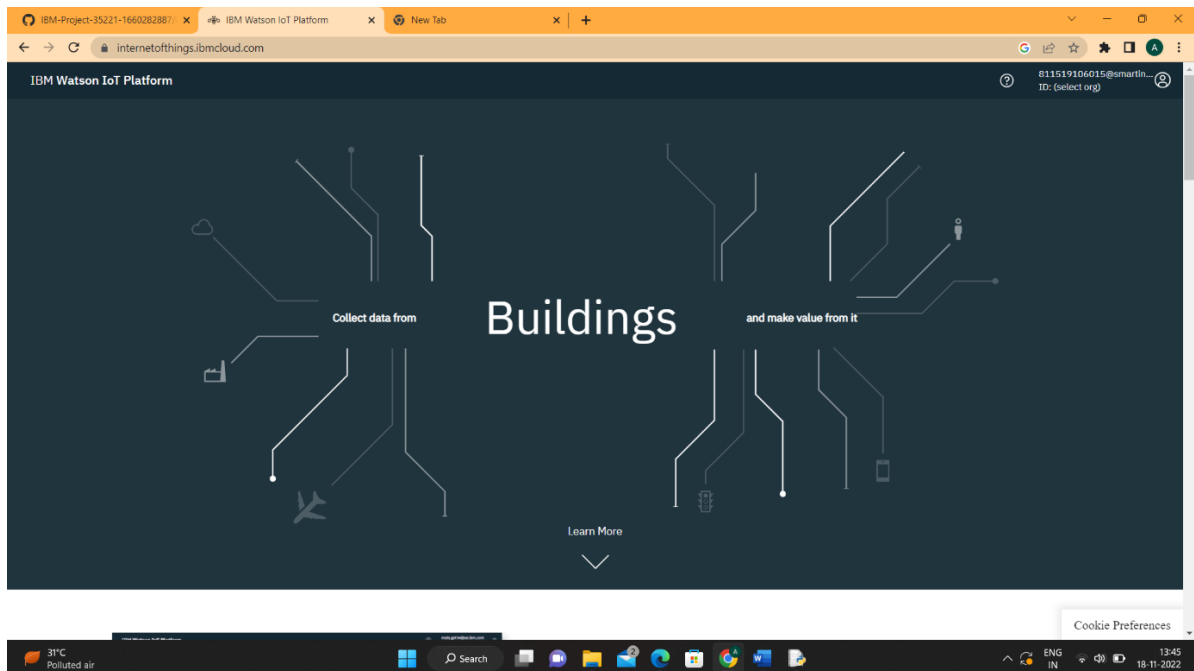


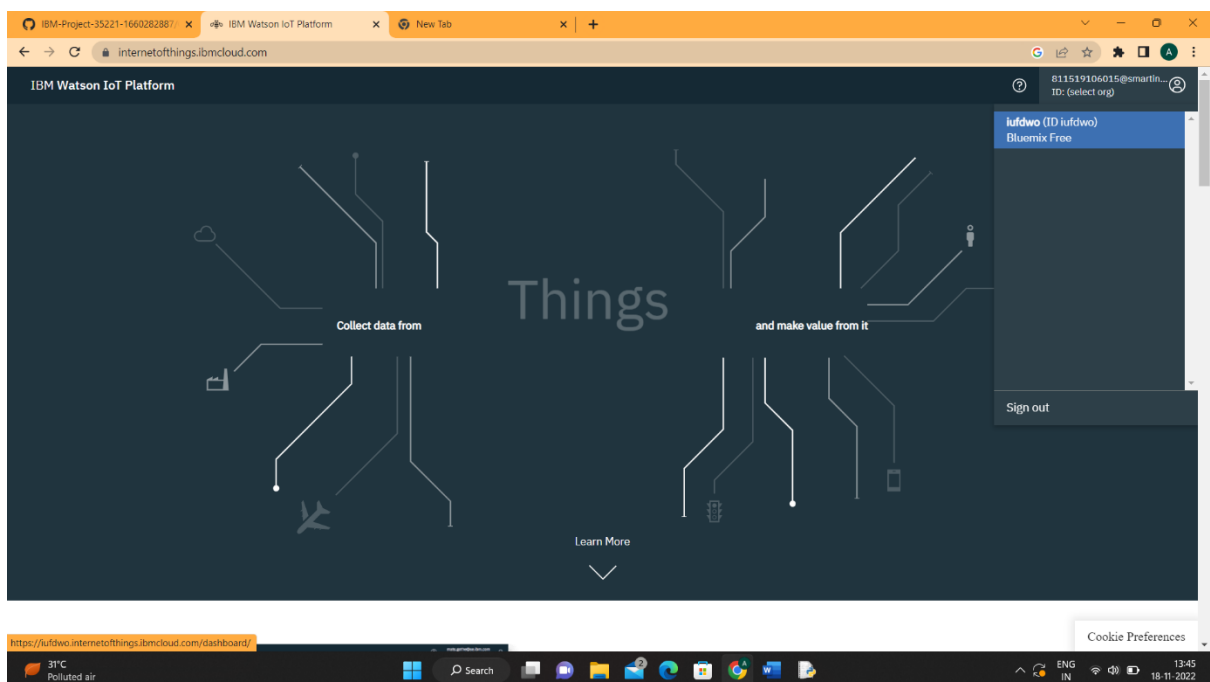
CREATE IBM WATSON IOT PLATFORM AND DEVICE

TEAM ID	PNT2022TMID11010
PROJECT NAME	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

Step 1: Sign up Watson Platform



Step 2: Click on Organization ID



Step 3: Add Device

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	BME280_Sensor	Disconnected	ESP32_Controller	Device	Nov 18, 2022 11:22 AM	

Items per page 50 | 1-1 of 1 item

1 of 1 page < 1 >

Step 4: Click Next

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type: Controller

Device ID: Sensor

Cancel Next

Browse Devices

All Devices Diagnose

Step 5: Click Next

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Identity Device Information **Security** Summary

There are two options for selecting a device authentication token.

Auto-generated authentication token (default)

Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.

Self-provided authentication token

Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

Authentication Token: 12345678

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication token are encrypted before we store them.

Back Next

Step 6: Finish

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security **Summary**

Verify that the following information is correct then select Finish

Device Type: Controller

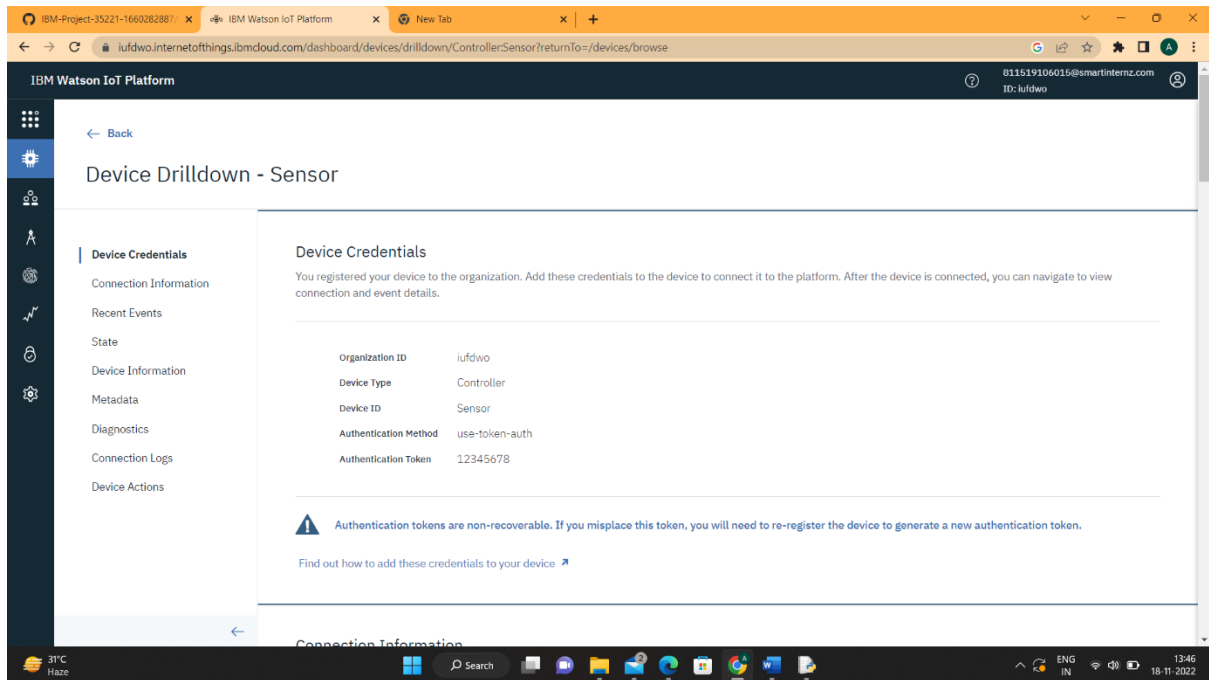
Device ID: Sensor

[View Metadata](#)

Security Token: 12345678

Back Finish

Step 7: Device Credentials



The screenshot shows the IBM Watson IoT Platform interface. The browser address bar displays the URL: `iuftwo.internetofthings.ibmcloud.com/dashboard/devices/drilldown/ControllerSensor?returnTo=/devices/browse`. The page title is "Device Drilldown - Sensor". A left sidebar contains navigation links: "Device Credentials" (selected), "Connection Information", "Recent Events", "State", "Device Information", "Metadata", "Diagnostics", "Connection Logs", and "Device Actions". The main content area is titled "Device Credentials" and includes a descriptive paragraph: "You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details." Below this is a table with the following data:

Property	Value
Organization ID	iuftwo
Device Type	Controller
Device ID	Sensor
Authentication Method	user-token-auth
Authentication Token	12345678

Below the table, a warning message states: "Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token." A link "Find out how to add these credentials to your device" is provided. The bottom of the screen shows a Windows taskbar with the date and time "18-11-2022 13:46".