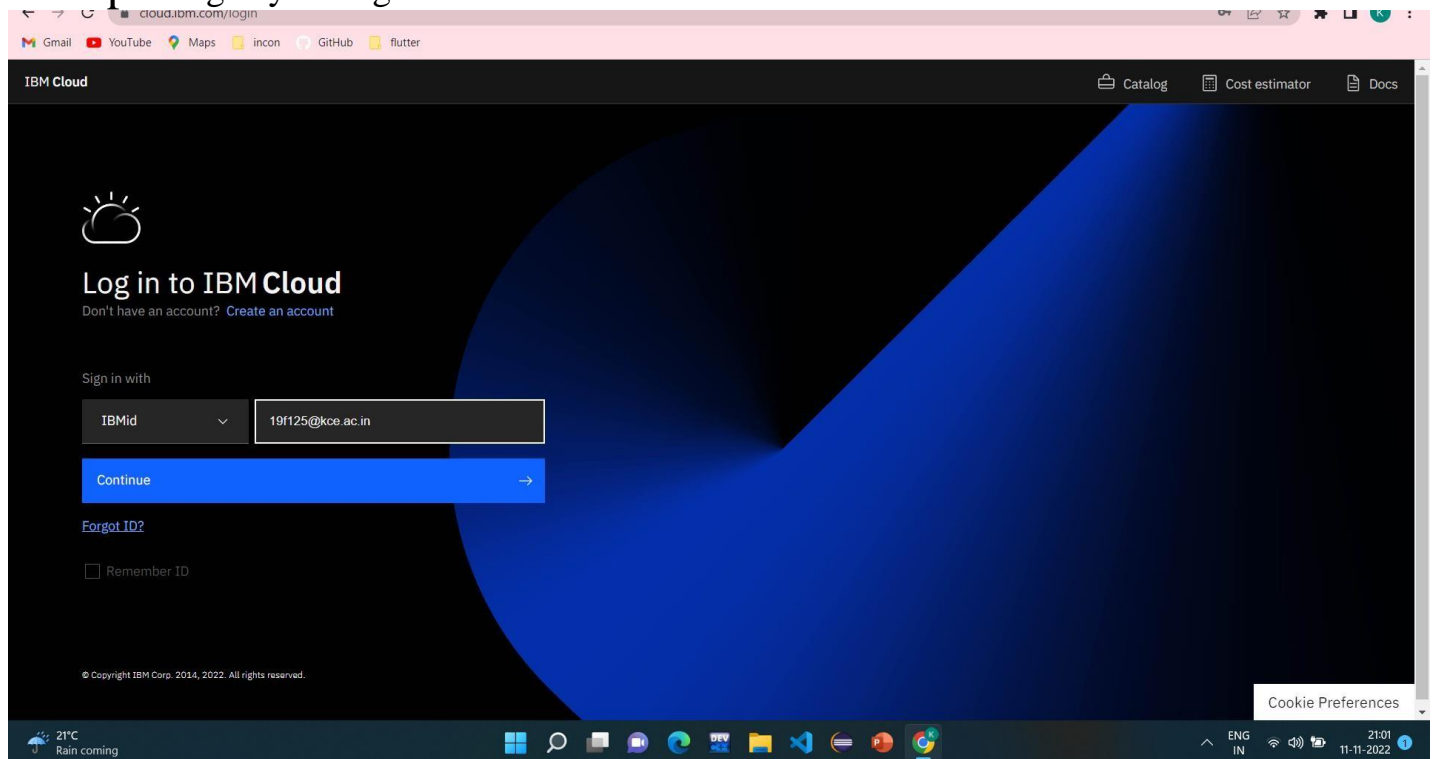


IBM Cloud services

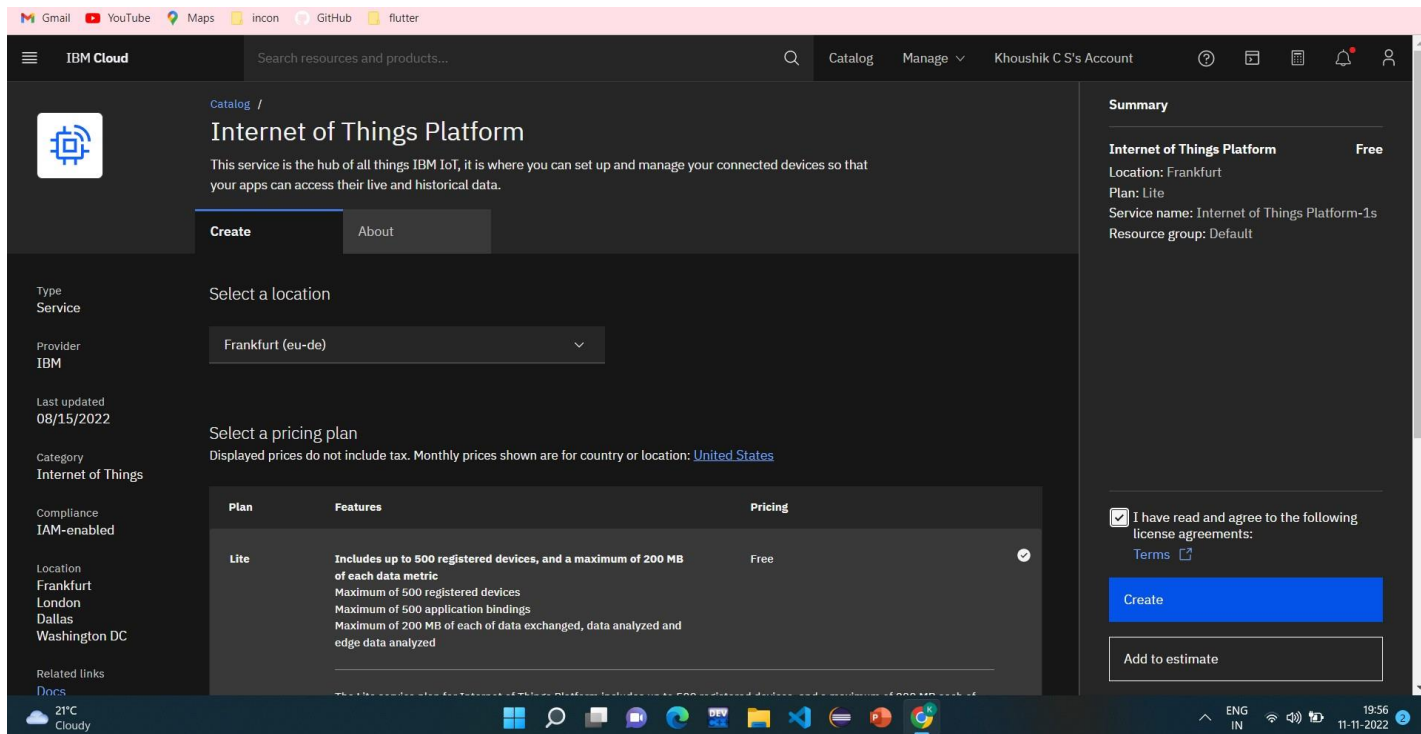
Team ID	PNT2022TMID19008
Project Name	Smart Waste Management System For Metropolitan Cities
Date	11 November 2022

step1: log in your registered id



IBM Cloud services

step 2 : click catalog where you find the services and internet of things you can select and make location as L



The screenshot shows the IBM Cloud Catalog interface for the 'Internet of Things Platform'. The page is divided into several sections:

- Header:** Includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (Khoushik C S's Account).
- Service Overview:** Features the 'Internet of Things Platform' icon and a description: 'This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.'
- Summary Panel:** Located on the right, it displays key information:
 - Internet of Things Platform** (Free)
 - Location: Frankfurt
 - Plan: Lite
 - Service name: Internet of Things Platform-1s
 - Resource group: Default
- Create Section:** Contains a 'Select a location' dropdown menu with 'Frankfurt (eu-de)' selected, and a 'Select a pricing plan' section.
- Pricing Plan Table:** A table with three columns: Plan, Features, and Pricing.

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices Maximum of 500 application bindings Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free
- Compliance and Location:** On the left, it lists 'IAM-enabled' compliance and available locations: Frankfurt, London, Dallas, and Washington DC.
- Footer:** Includes a weather widget (21°C Cloudy) and a taskbar with various application icons.

IBM Cloud services

step 3 : click create and the launch tab get open, the lick launch

The screenshot displays the IBM Cloud console interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and user account information. Below this, the main content area shows the 'Internet of Things Platform-1s' resource page. The page has a dark sidebar on the left with options like 'Manage', 'Plan', and 'Connections'. The main content area features a large graphic of a central node connected to several peripheral nodes, representing an IoT network. To the right of this graphic, there's a section titled 'Let's get started with IBM Watson IoT Platform' with a brief description and two buttons: 'Launch' and 'Docs'. Below this, there's a section titled 'Ready for the next level?' with the heading 'IBM Watson IoT Platform Journey'. This section contains three columns, each representing a different service plan: 'Lite', 'Non-Production', and 'Production'. Each column has a progress indicator (a circle with a checkmark for 'Lite' and empty circles for the others) and a brief description of the service plan. The 'Lite' plan is described as a lightweight development environment, 'Non-Production' as a full-featured, fully-integrated offering, and 'Production' as a fully managed SaaS offering. At the bottom of the console, there's a status bar showing the current temperature (21°C), weather (Cloudy), and system icons.

IBM Cloud

Search resources and products...

Resource list /

Internet of Things Platform-1s Active Add tags Details Actions...

Manage

Plan

Connections

Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

[Launch](#) [Docs](#)

Ready for the next level?

IBM Watson IoT Platform Journey

☒ **Lite**

The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

☐ **Non-Production**

The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

☐ **Production**

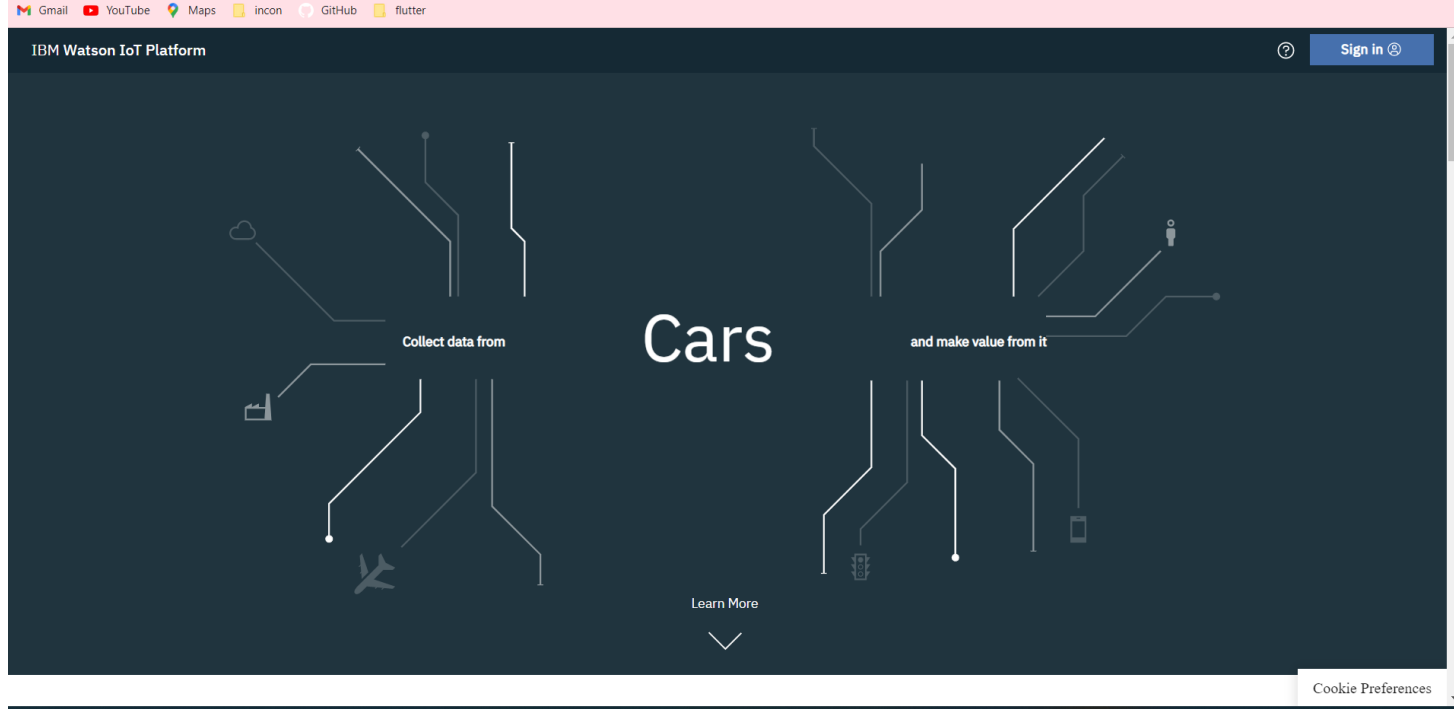
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

21°C Cloudy

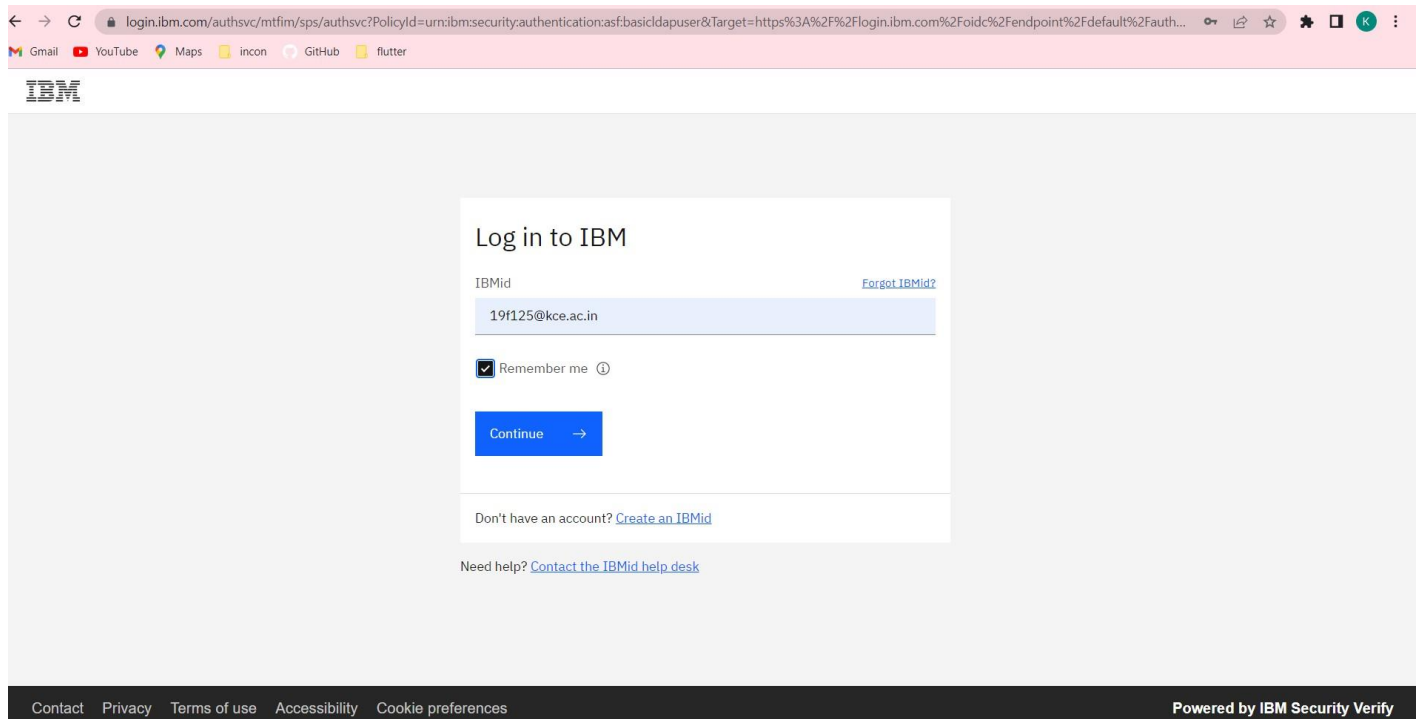
ENG IN 19:58 11-11-2022

IBM Cloud services

step 4 : It redirect you to IBM WATSON platform where you need to click sign in

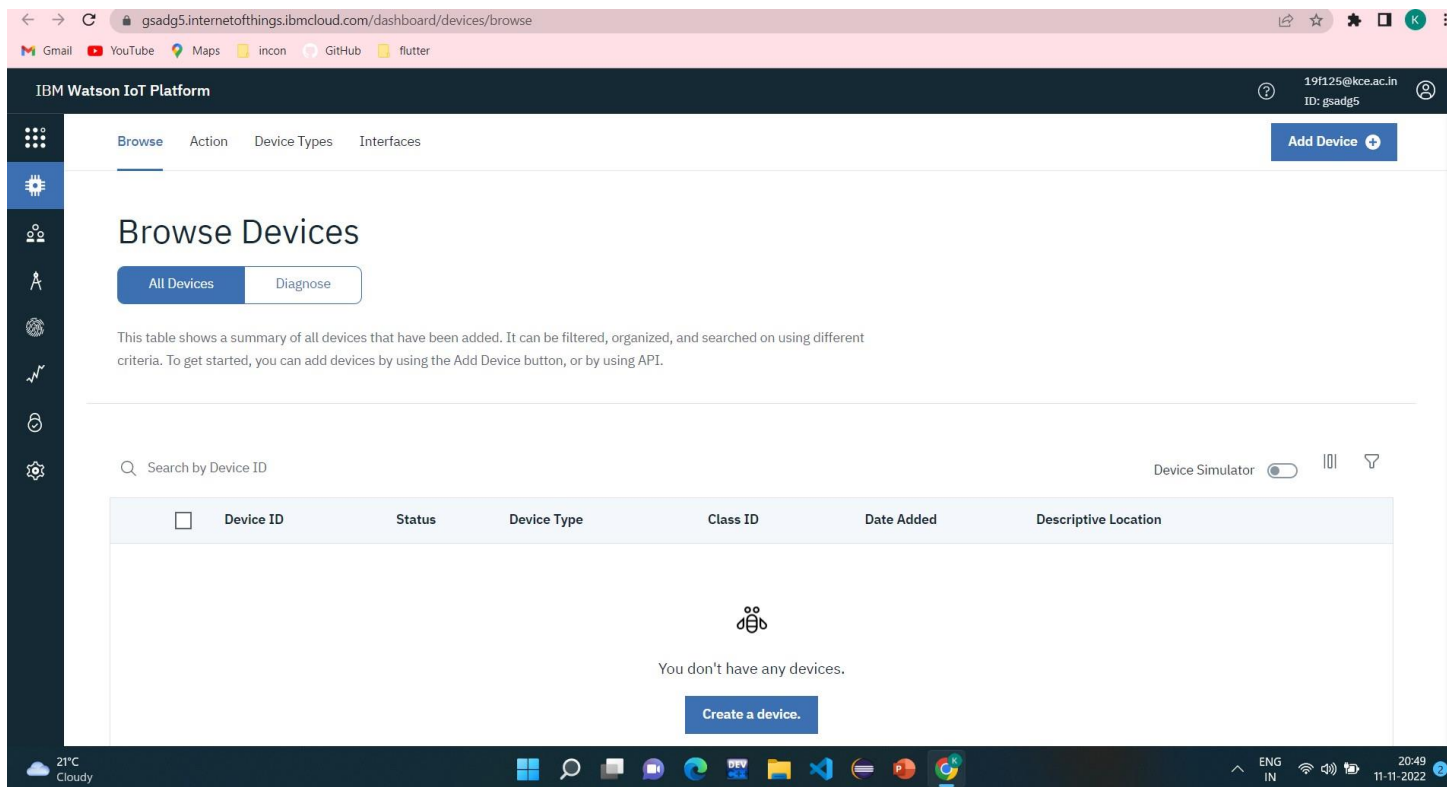


step 5 : you need to log in IBM ID

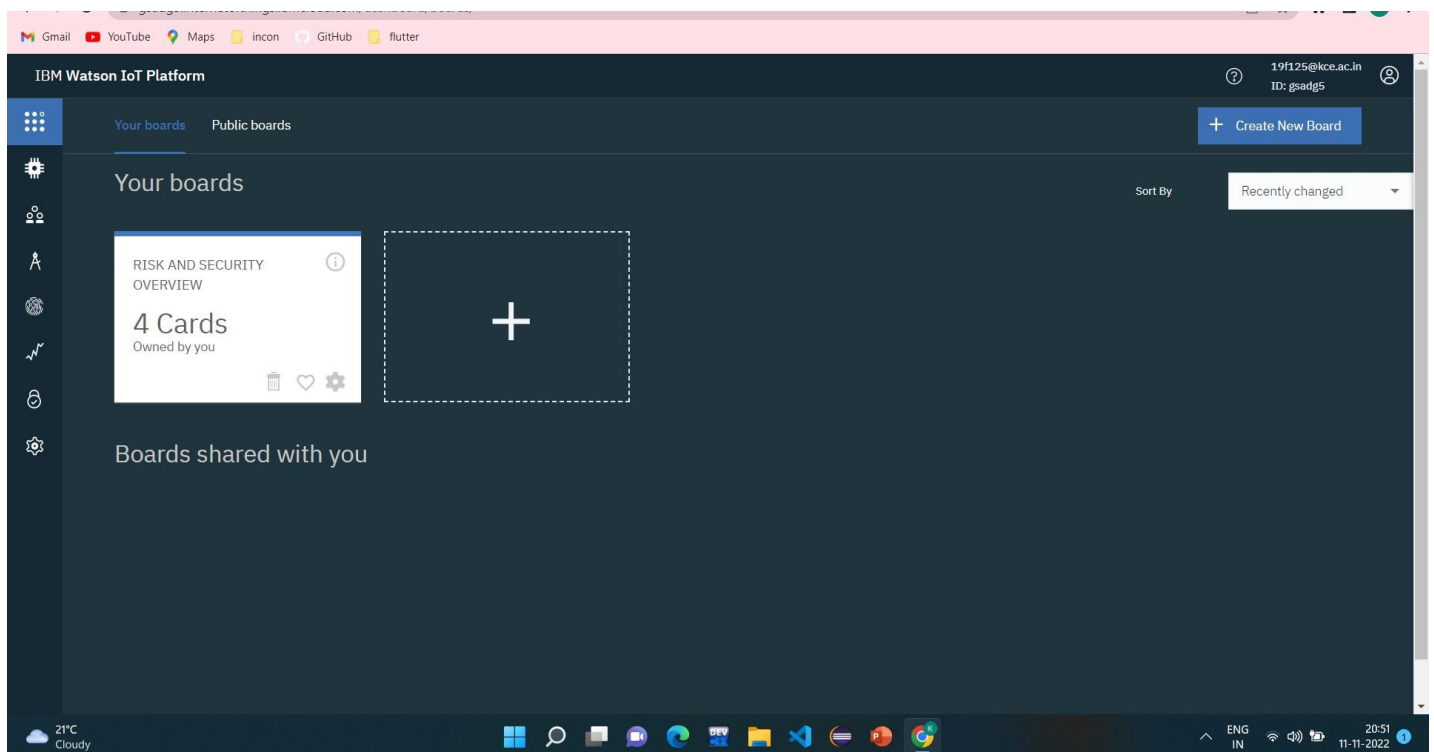


IBM Cloud services

step 6 : where you find this tab which is used to add device,app, member,usege, security can be worked



step 7 : check board for risk and security overview card, it uses for graphical representation boards



IBM Cloud services

step 8 : after clicking a new device/add device you can chose an device type and device id and complete the following information to create a device

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The wizard has four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active, showing a progress bar with four circles. Below the progress bar, there is a text prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with a dropdown menu showing 'Select or create a device type...' and 'Device ID' with a text input field showing 'Enter Device ID'. At the bottom right of the wizard, there are 'Cancel' and 'Next' buttons. The background shows the 'Browse Devices' section of the platform.

IBM Watson IoT Platform

19f125@kce.ac.in
ID: gsadg5

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 Select or create a device type...

Device ID Enter Device ID

Cancel Next

Browse Devices

step 9 : create a device of nodemcu

The screenshot shows the 'Device Drilldown' page for device 12345 in the IBM Watson IoT Platform. The page has a left sidebar with a 'Back' button and a list of links: Device Credentials, Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The main content area is titled 'Device Credentials' and contains a text prompt: '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 prompt is a table with the following data:

Organization ID	gsadg5
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	!HHFubhQVhRGBNGNA!

Below the table, there is a warning icon and a text prompt: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' At the bottom, there is a link: 'Find out how to add these credentials to your device'.

IBM Watson IoT Platform

19f125@kce.ac.in
ID: gsadg5

Back

Device Drilldown - 12345

Device Credentials

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.

Organization ID	gsadg5
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	!HHFubhQVhRGBNGNA!

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

Find out how to add these credentials to your device

IBM Cloud services
