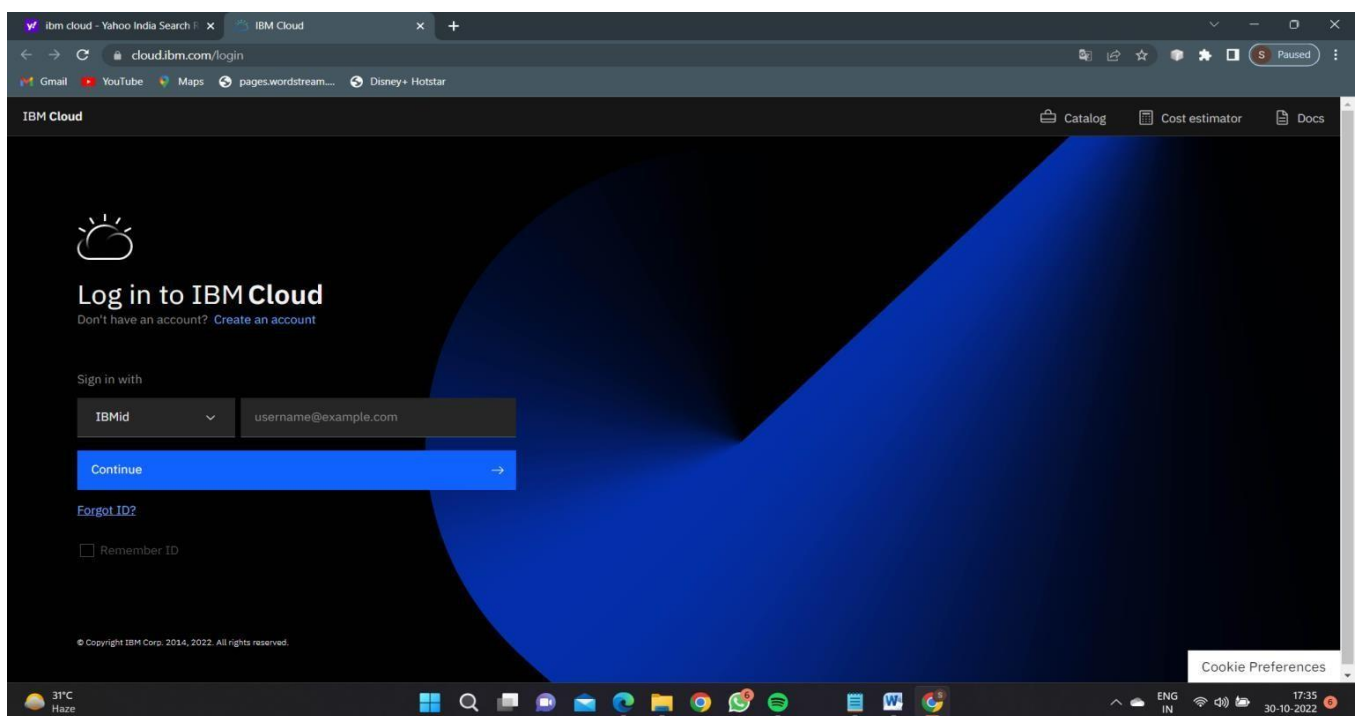


## CREATE IBM WATSON IOT PLATFORM AND DEVICE

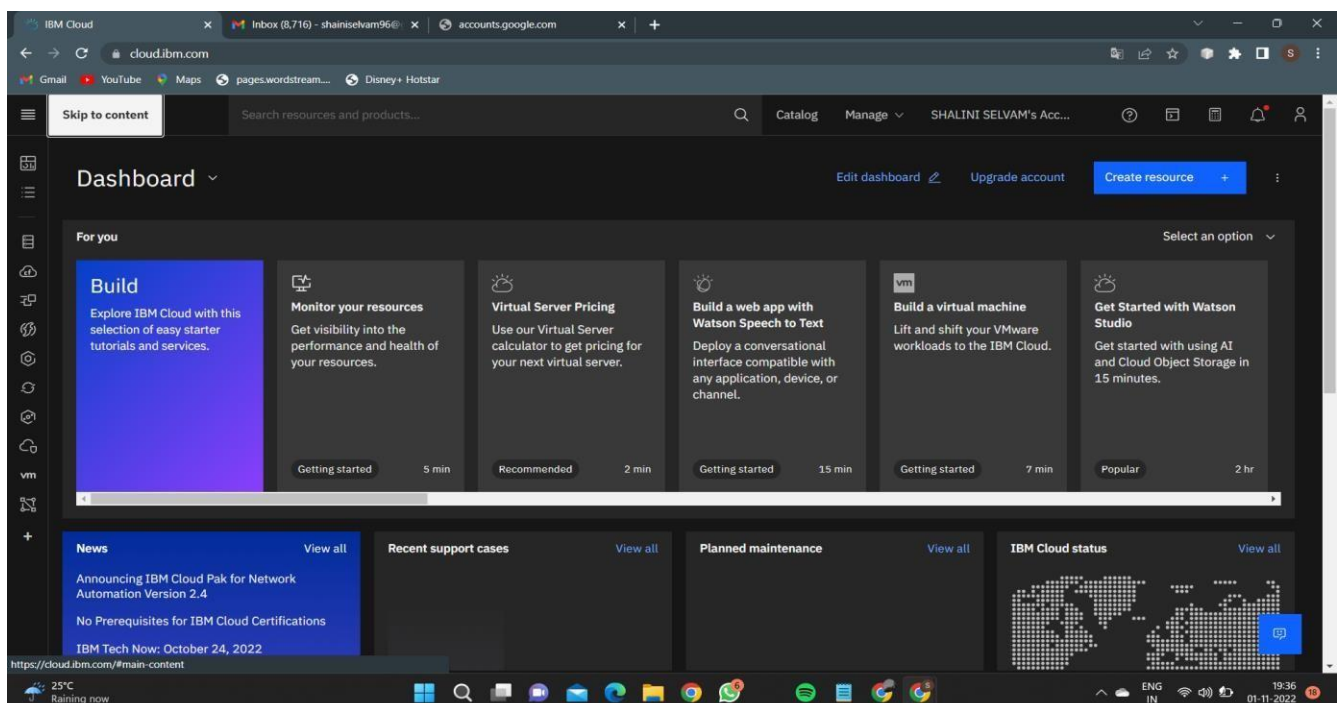
<b>Date</b>	<b>26-10-2022</b>
<b>Team ID</b>	<b>PNT2022TMID17405</b>
<b>Project Name</b>	<b>Project - IOT based safety gadget for child safety monitoring and notification</b>
<b>Maximum Marks</b>	<b>4 Marks</b>

### STEPS:

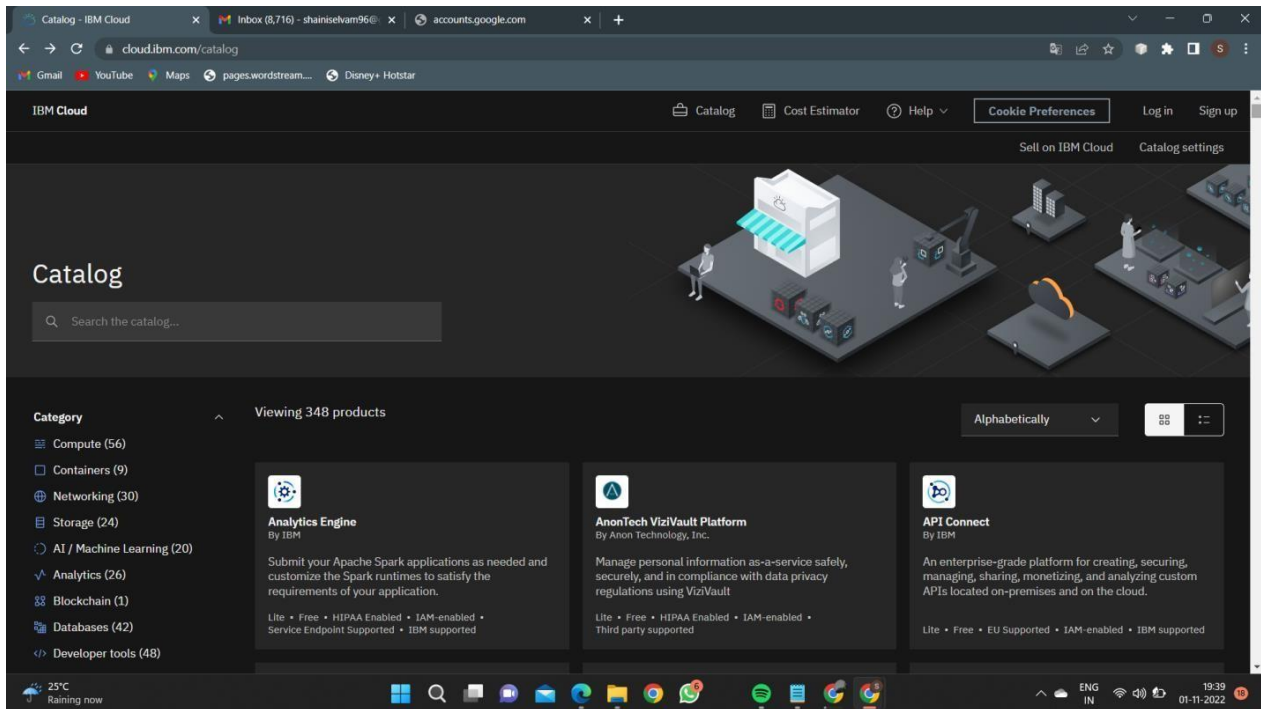
1. First create an IBM cloud account with IBMid and password



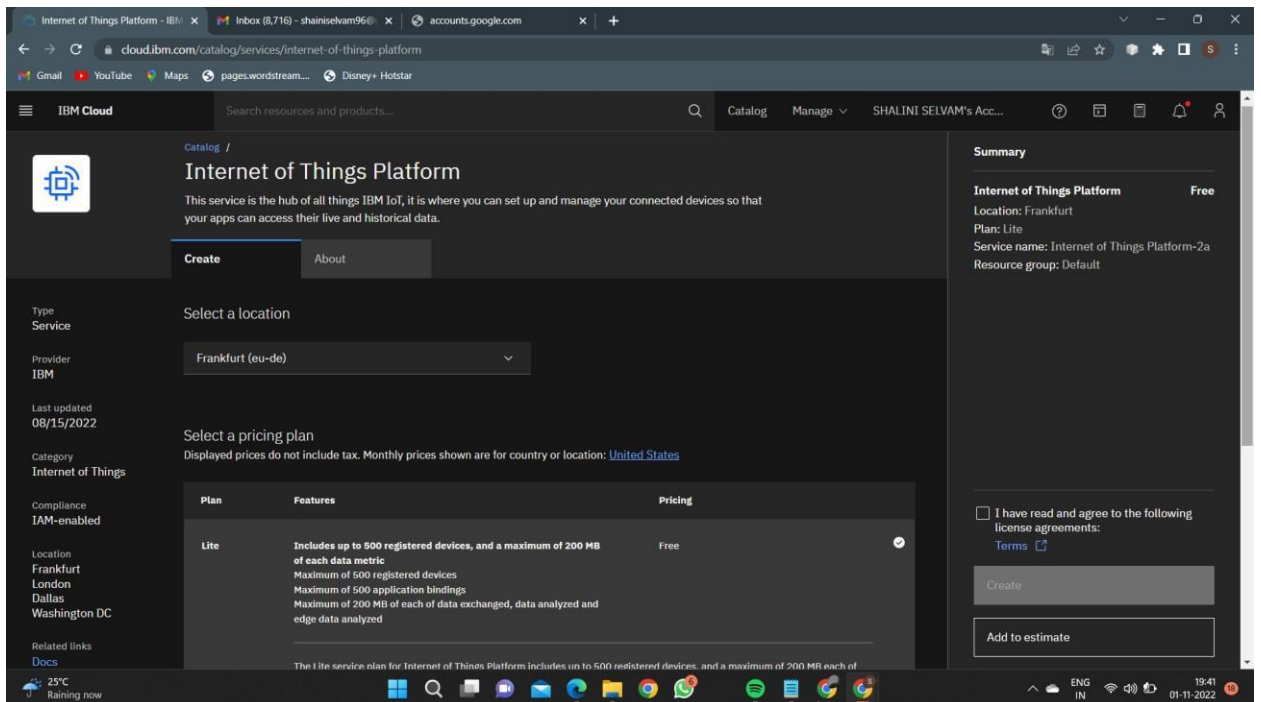
2. Home page of IBM cloud



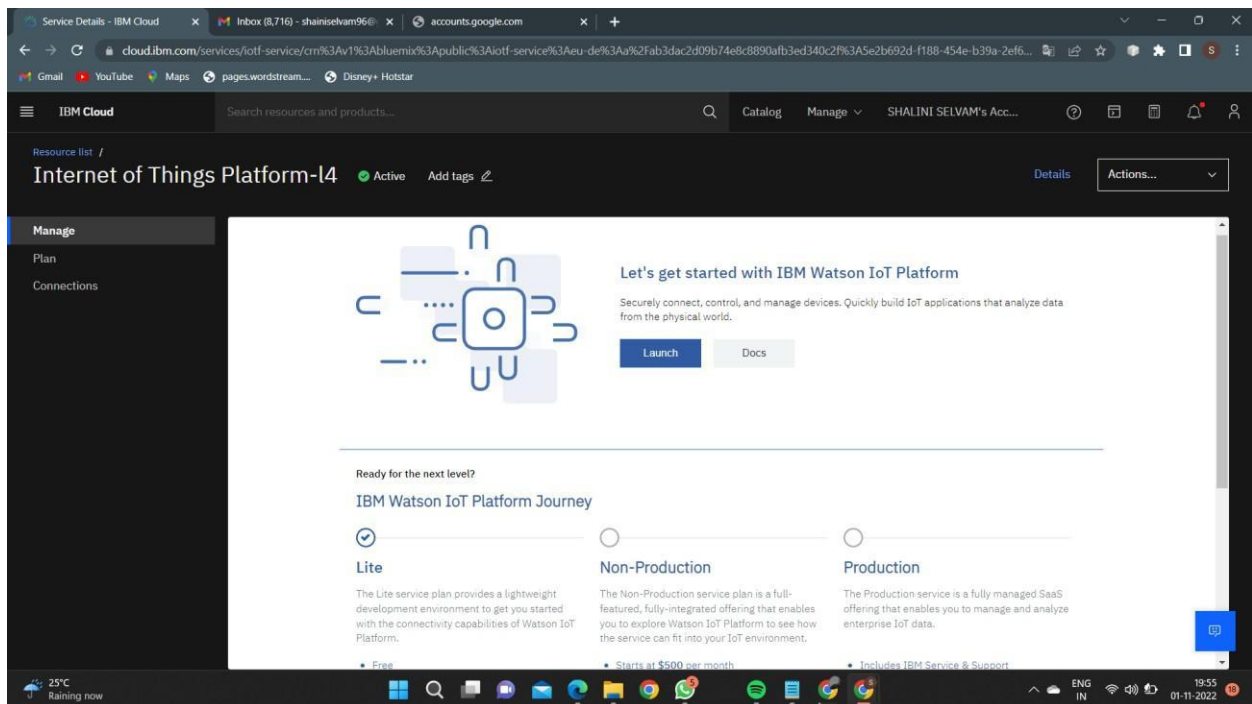
### 3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



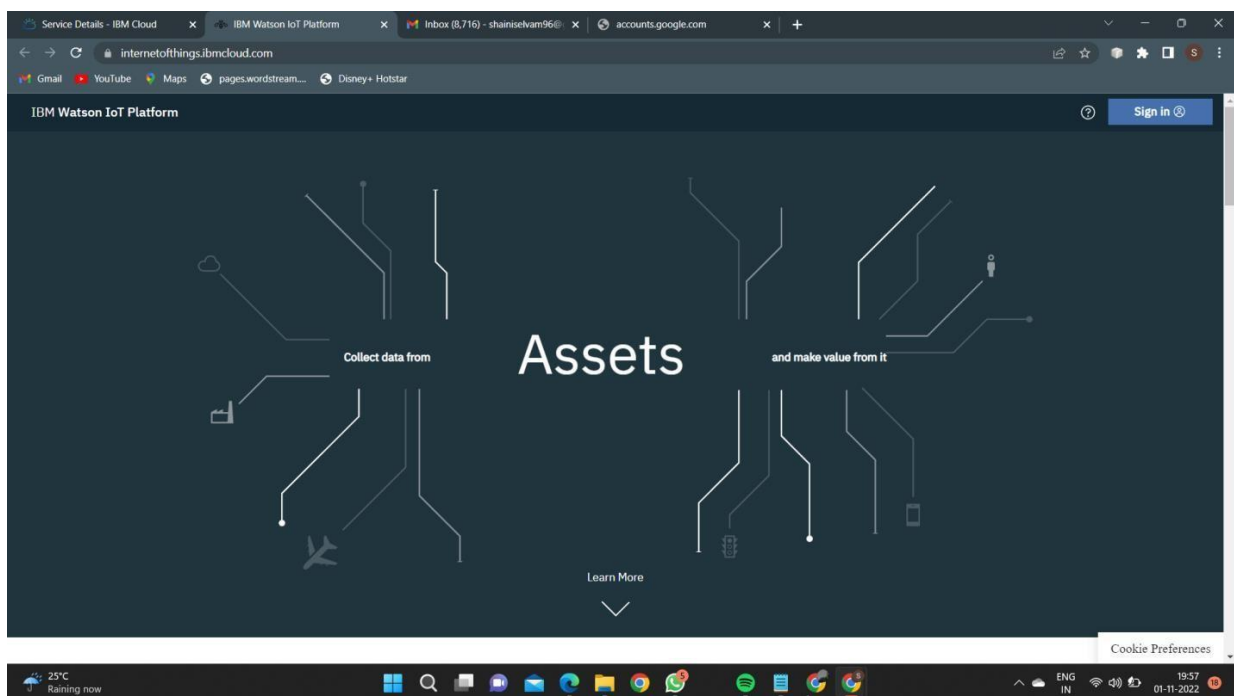
### 4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



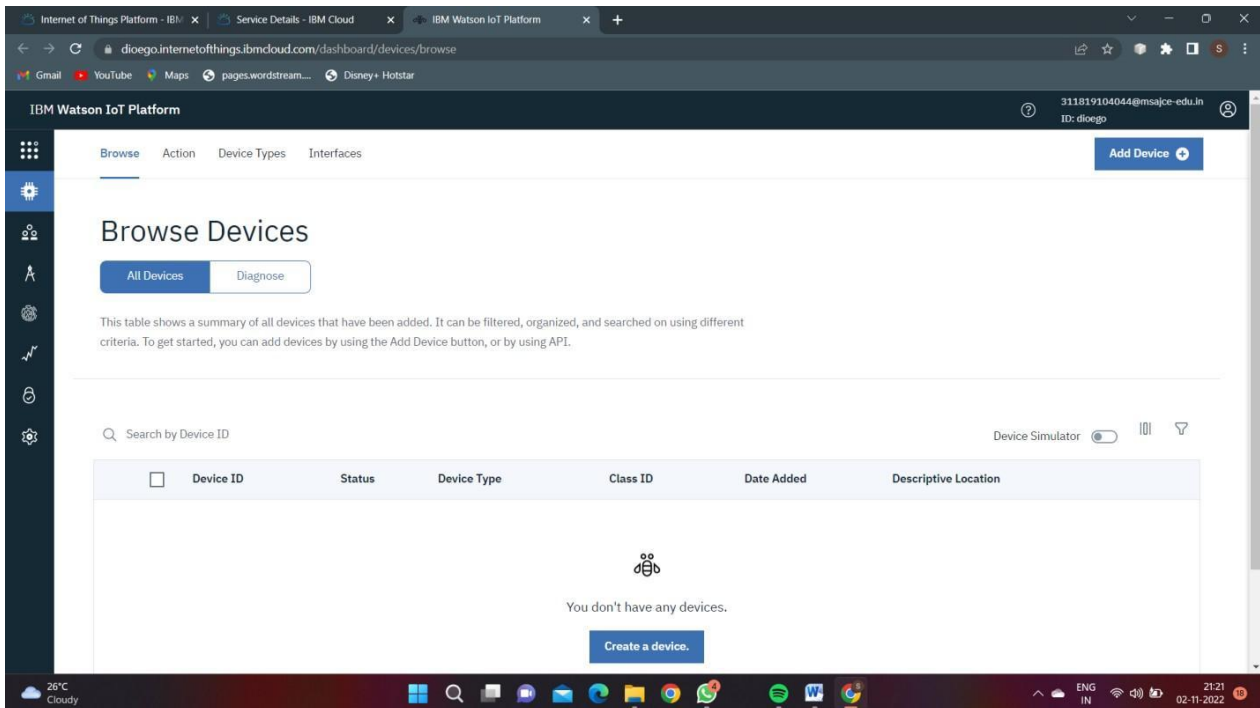
5. Internet of Things Platform Child\_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services). Click on launch.



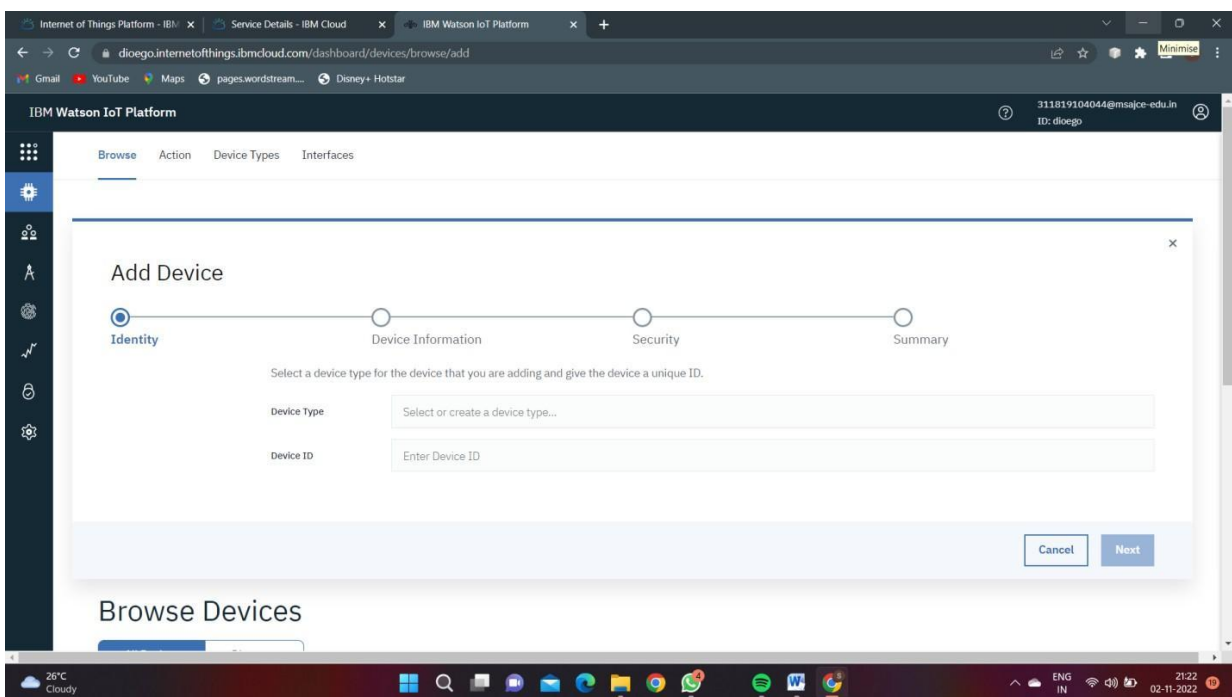
6. Now you need to sign in. Enter the details to sign in to the Watson Cloud to create a device.



7. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices



8. Click on the device tab and click on the add device button, then give the device type and device id and click next



## 9. This page to enter extra details and of the hardware

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The progress bar indicates that the 'Identity' step is complete, and the 'Device Information' step is currently active. The 'Security' and 'Summary' steps are yet to be completed. The 'Device Information' section contains two columns of input fields for device metadata.

Field	Value
Serial Number	Enter Serial Number
Model	Enter Model
Description	Enter Description
Hardware Version	Enter Hardware Version
Manufacturer	Enter Manufacturer
Device Class	Enter Device Class
Firmware Version	Enter Firmware Version
Descriptive Location	Enter Descriptive Location

Below the input fields is a button labeled 'Add Metadata +'. The top navigation bar shows the user is logged in as 'dioego' with ID '311819104044@msajce-edu.in'.

## 10. Clicking next it goes to the security where we do authentication token id.

The screenshot shows the 'Add Device' wizard at the 'Security' step. The progress bar shows 'Identity' and 'Device Information' as completed steps. The 'Security' step presents two options for selecting a device authentication token: 'Auto-generated authentication token (default)' and 'Self-provided authentication token'. The 'Auto-generated' option is selected by default. Below the options is an input field for an optional token. A warning message states that authentication tokens cannot be recovered once generated.

**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.

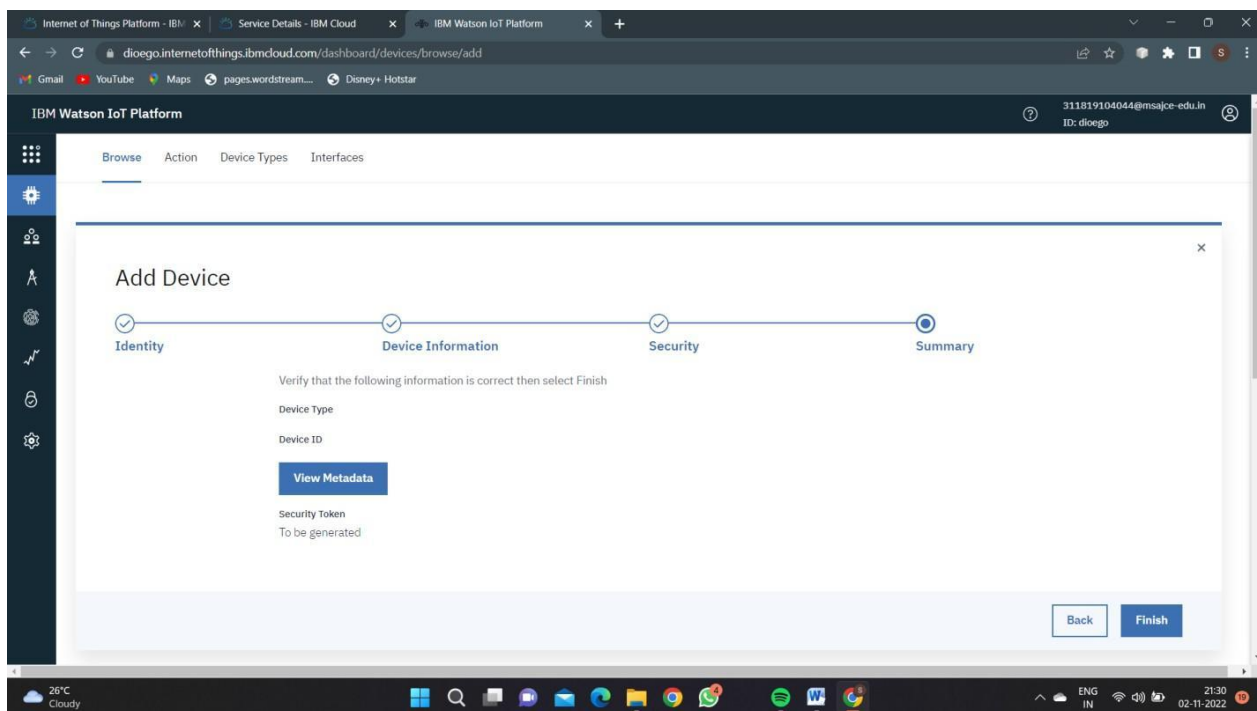
Authentication Token:

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

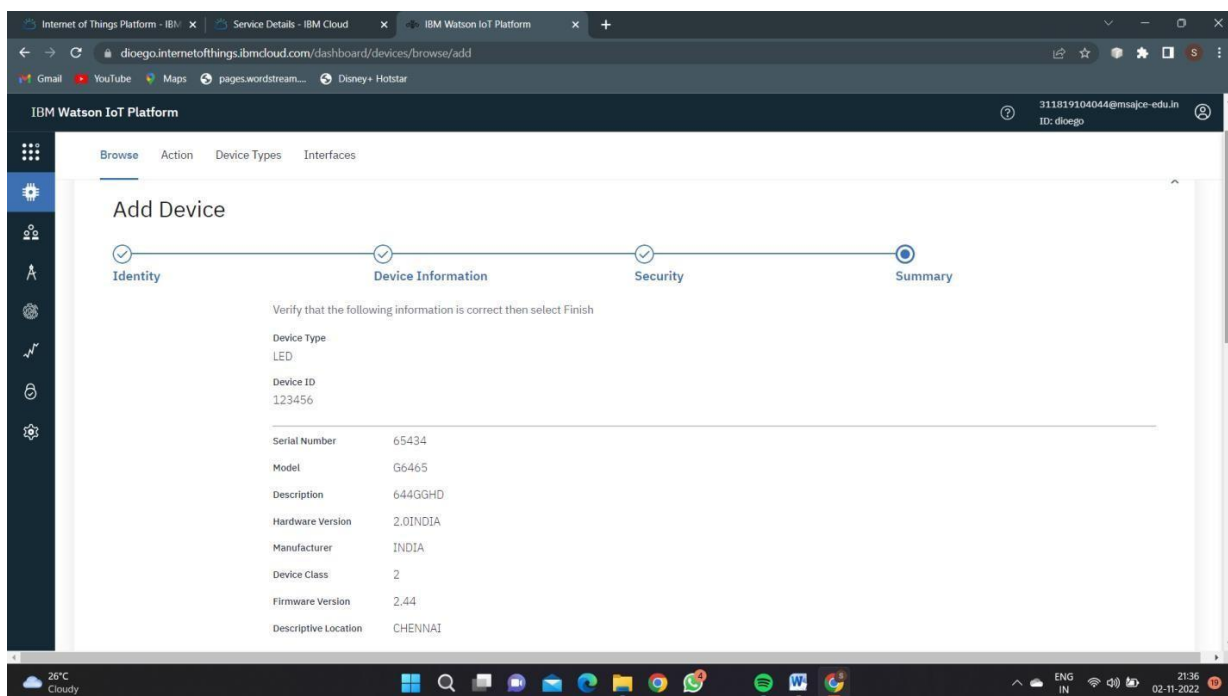
Authentication token are encrypted before we store them



11. Clicking on next it goes to the summary of the device then click finish



12. The device credentials will be displayed with all the details. Safe the details of the device as the authentication tokens are non- recoverable and if misplaced then we have to create a new one.



13. Clicking on the device tab we can now see the added device. Clicking on it will display the other details. It has different tabs like identity, Device Information, State and Login

Internet of Things Platform - IBM | Service Details - IBM Cloud | IBM Watson IoT Platform

dioego.internetofthings.ibmcloud.com/dashboard/devices/browse

Gmail YouTube Maps pages.wordstream... Disney+ Hotstar

IBM Watson IoT Platform 311819104044@msajce-edu.in ID: dioego

Browse Action Device Types Interfaces Add Device

## 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

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123456	Disconnected	LED	Device	Nov 2, 2022 9:37 PM	CHENNAI

Items per page 50 | 1-1 of 1 item 1 of 1 page

26°C Cloudy 21:39 02-11-2022