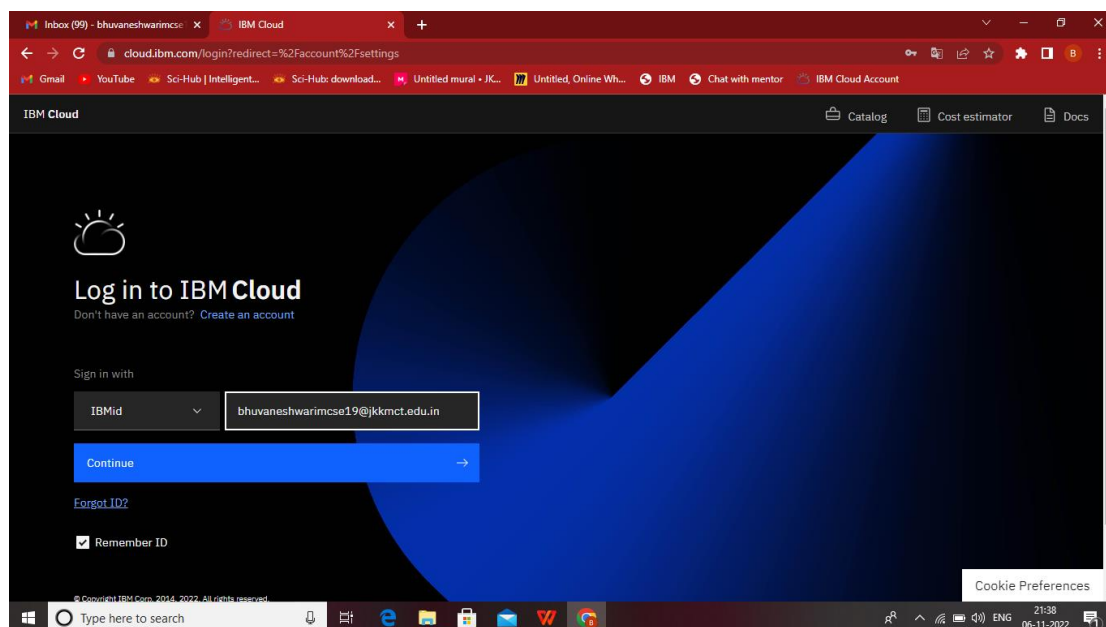


CREATE IBM WATSON IOT PLATFORM AND DEVICE

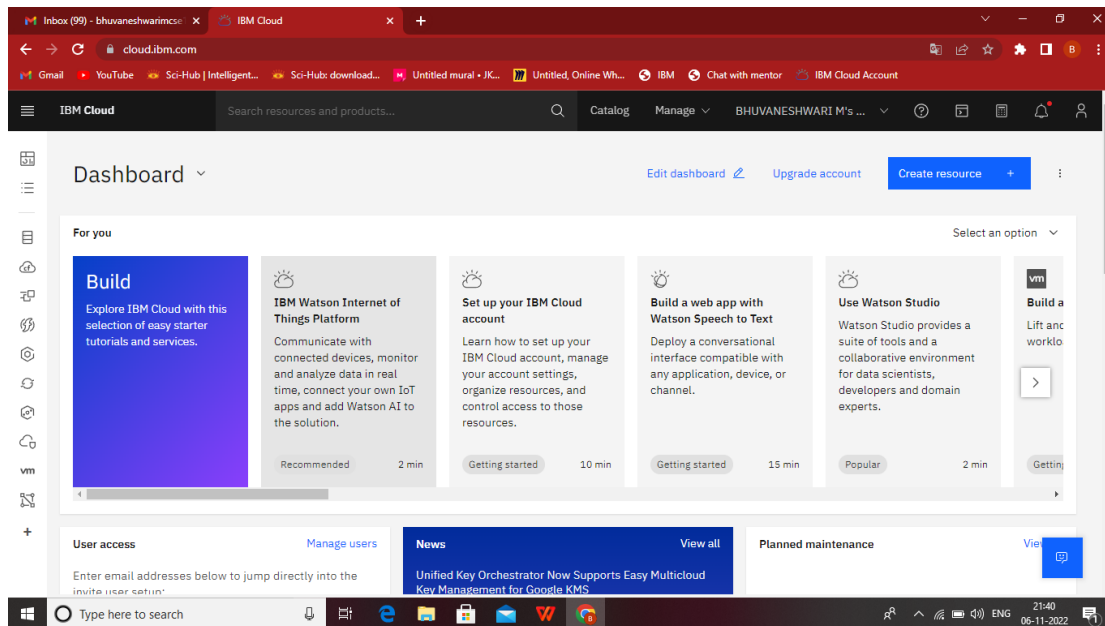
TEAM ID	PNT2022TMID44407
PROJECT NAME	IOT based safety gadget for child safety monitoring and notification
TEAM LEADER TEAM MEMBER 1 TEAM MEMBER 2 TEAM MEMBER 3	Bhuvaneshwari M Indhumathi P Maheshwari M Pavithra R
TEAM SIZE 4	4
MENTOR	Ananth E

STEPS

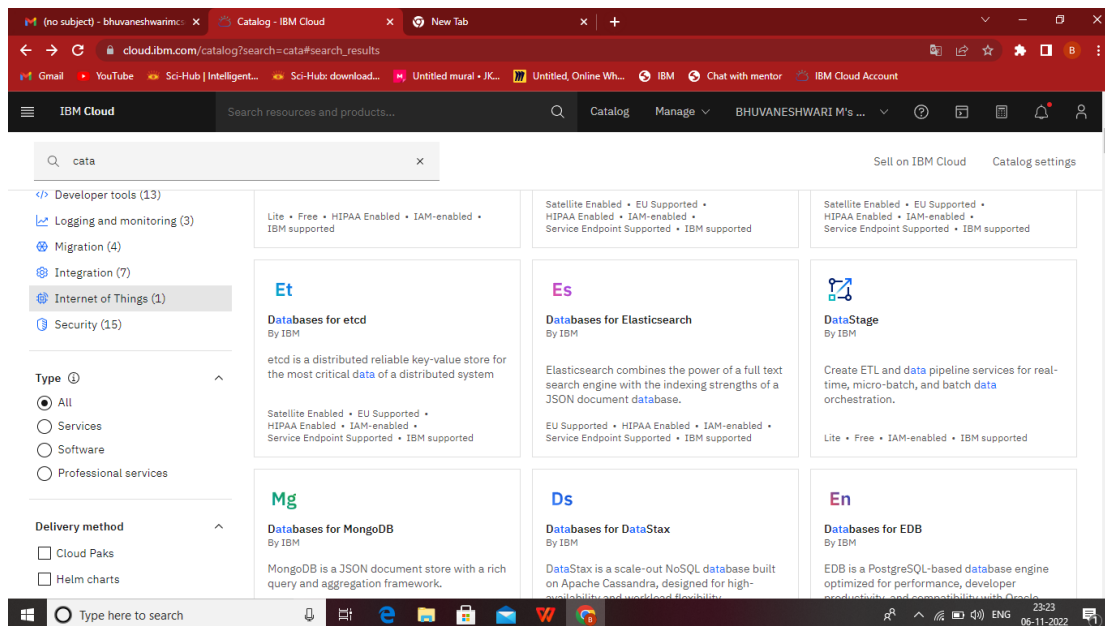
1.Firstly create an IBM cloud account with IBMid and password



2. Home page of IBM cloud



3. Click on the catalog on the top



Click on IoT in the category mentioned

Internet of Things Platform

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.

Create About

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London

Select a location

Frankfurt (eu-de)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

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

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-w2

Resource group: Default

☐ I have read and agree to the following license agreements: [Terms](#)

Create

Add to estimate

4. If already a lite is present delete it else u can't create another

Internet of Things Platform

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.

Create About

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London Dallas Washington DC

Related links [Docs](#) [Terms](#)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

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

The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed, and edge data analyzed per month.

Lite plan services are deleted after 30 days of inactivity.

Configure your resource

Service name

Internet of Things Platform-w2

Select a resource group

Default

Tags

Examples: env:dev, version-1

Access management tags

Examples: access:dev, proj:version-1

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-w2

Resource group: Default

☐ I have read and agree to the following license agreements: [Terms](#)

Create

Add to estimate

5. 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

Internet of Things Platform

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.

Create About

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London Dallas Washington DC

Select a location

Dallas (us-south)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Life	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

Summary

Internet of Things Platform Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-w2

Resource group: Default

☐ I have read and agree to the following license agreements: [Terms](#)

Create

Add to estimate

Internet of Things Platform

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.

Create About

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London Dallas Washington DC

Select a location

Dallas (us-south)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Life	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

Summary

Internet of Things Platform Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-child_safety

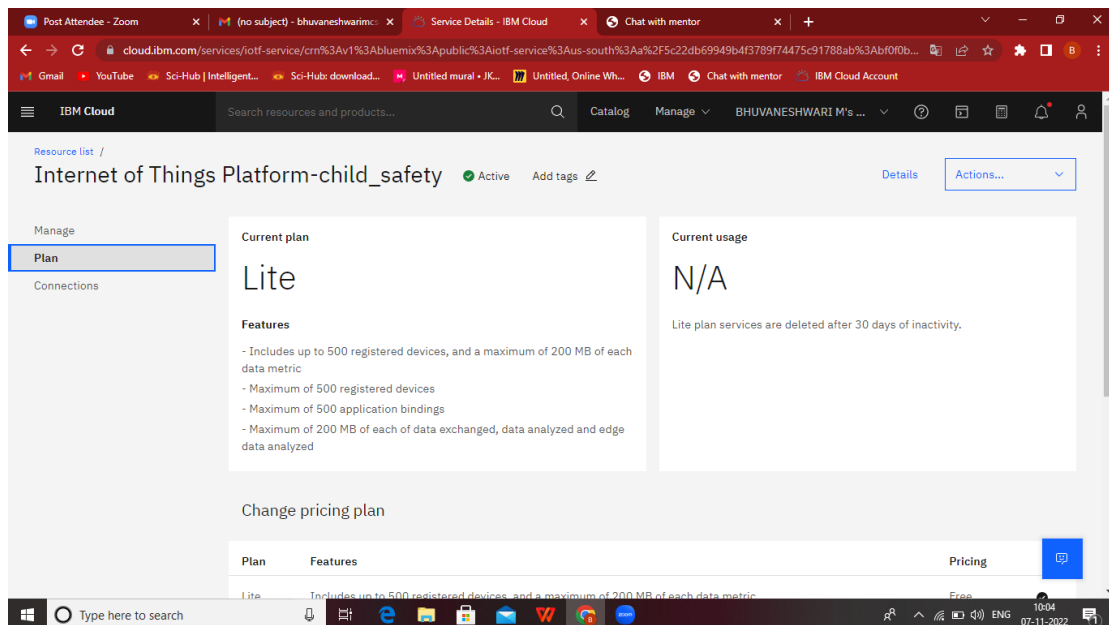
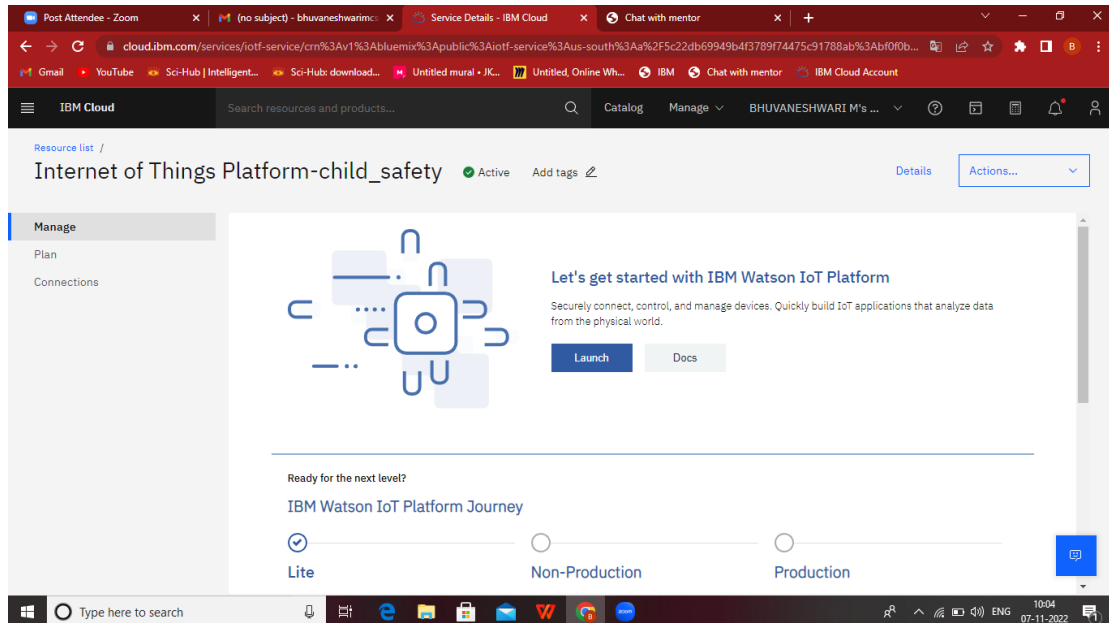
Resource group: Default

☒ I have read and agree to the following license agreements: [Terms](#)

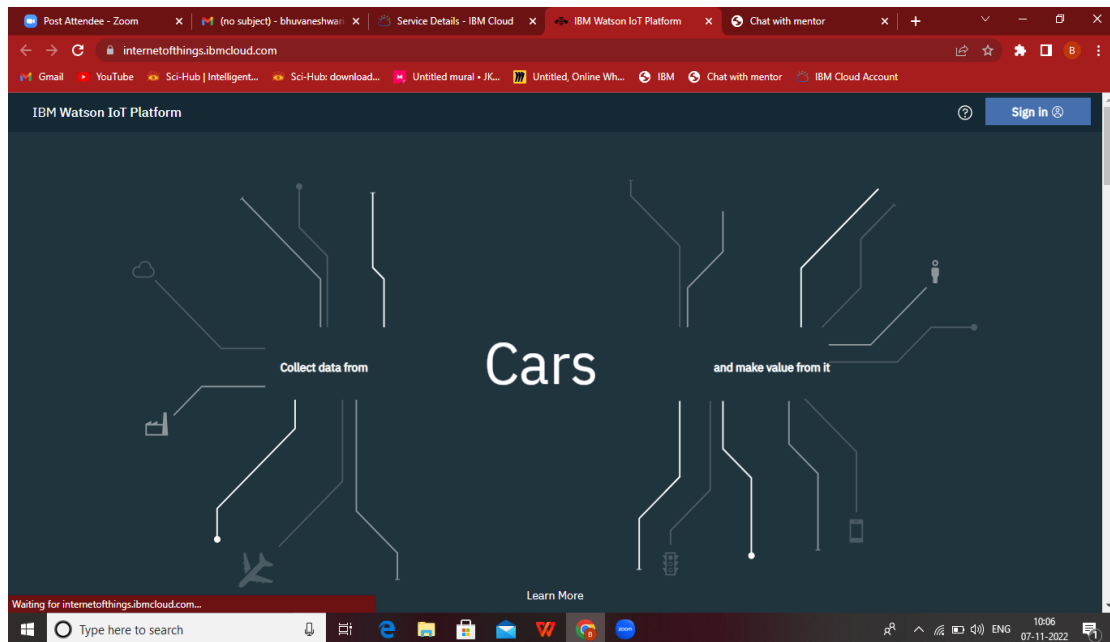
Create

Add to estimate

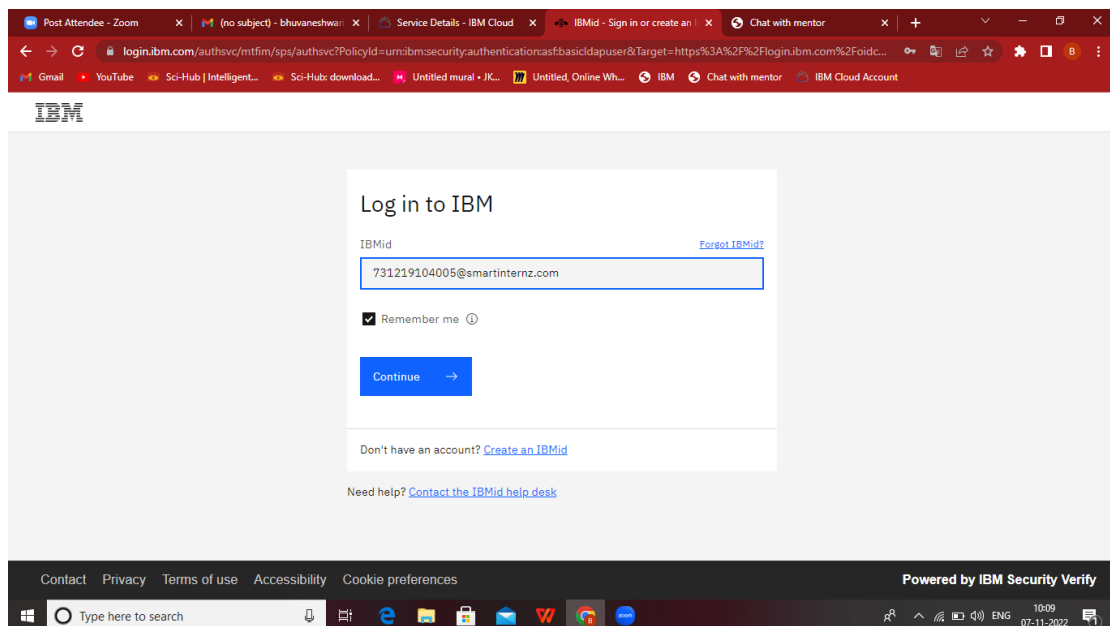
6. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)



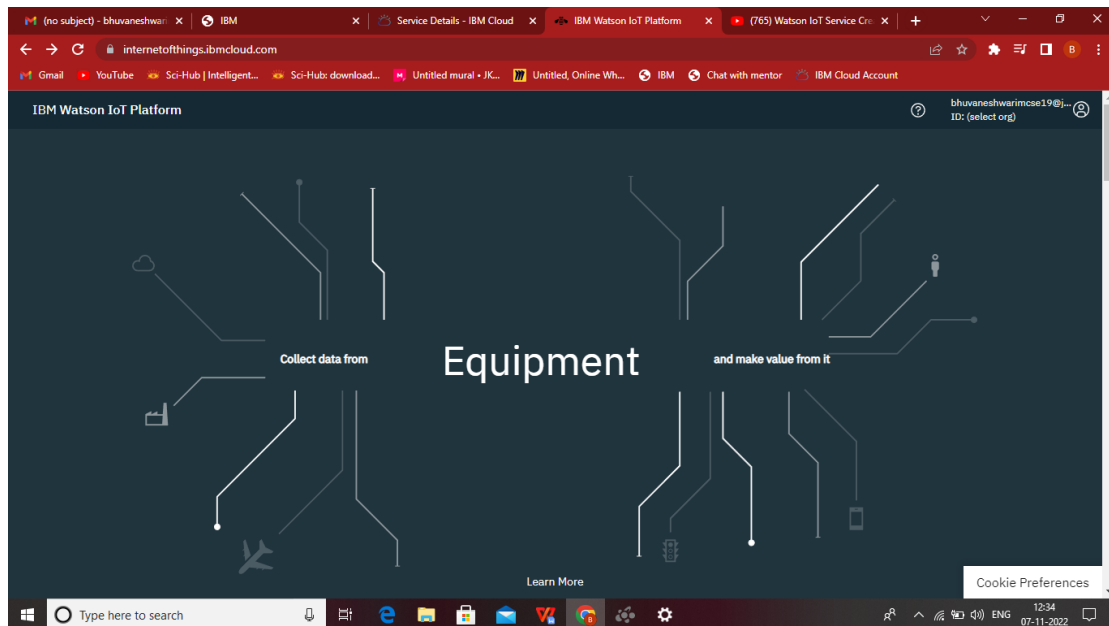
7. Clicking on the launch button in the manage tab, it will open to this



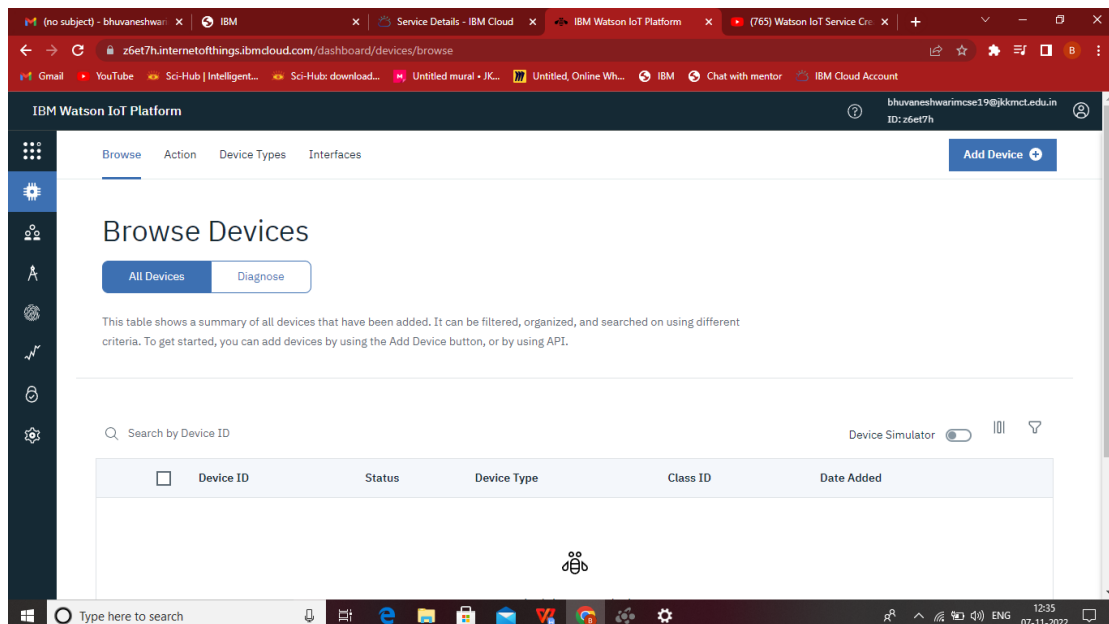
8. Enter the details to sign in to the Watson Cloud to create a device



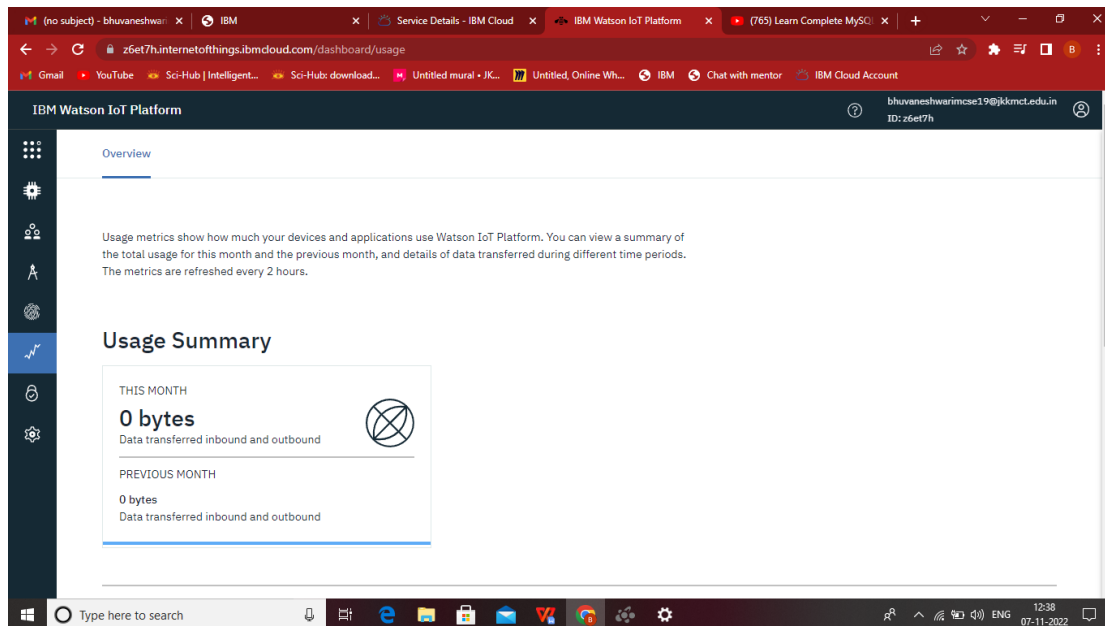
9. Once logged in the name will be displayed and it goes back to the first page



10. 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



11. Usage gives the summary of how many bytes are used between the devices and the IBM cloud.

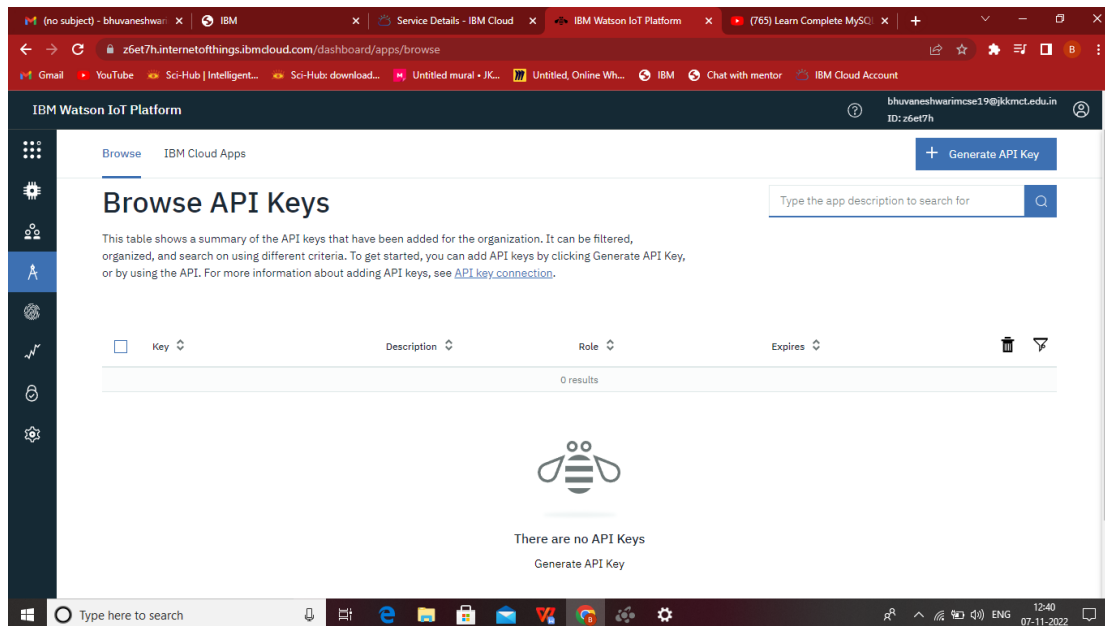


12. The member tab is add the teams members to work in the platform

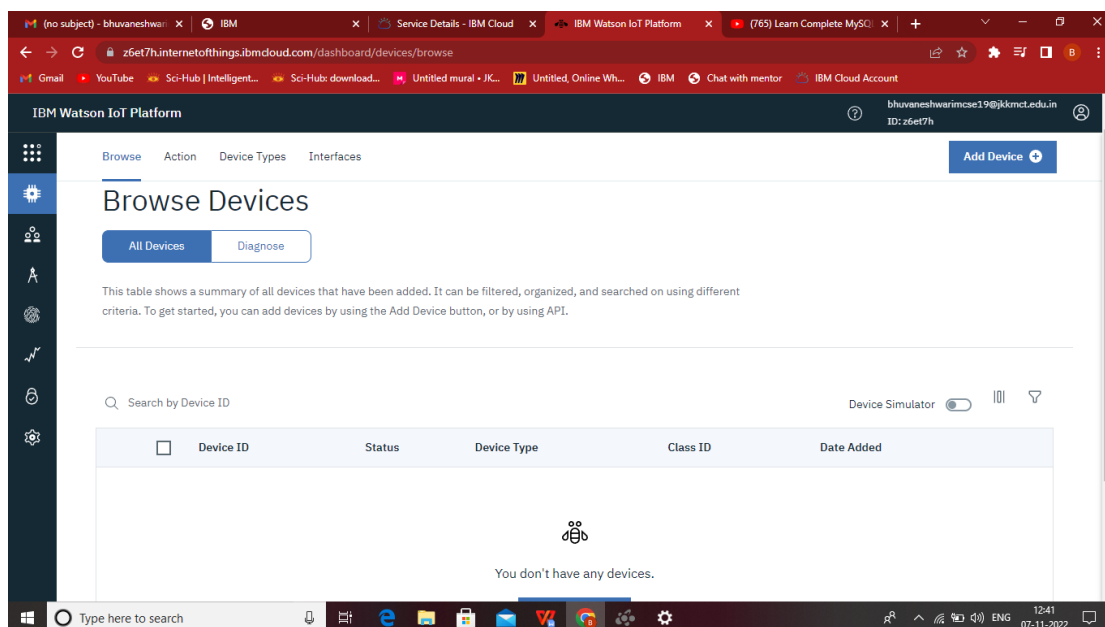
The screenshot shows the 'Browse Members' page in the IBM Watson IoT Platform. The page title is 'Browse Members'. Below the title, there is a search bar with the placeholder text 'Type the member email to search for'. Below the search bar, there is a table showing the members of the organization. The table has columns for 'Email Address', 'Name', 'Role', 'Added By', and 'Expires'. There is one member listed: 'bhuvaneshwarimcse19@jkkmc...' with the role of 'Administrator'.

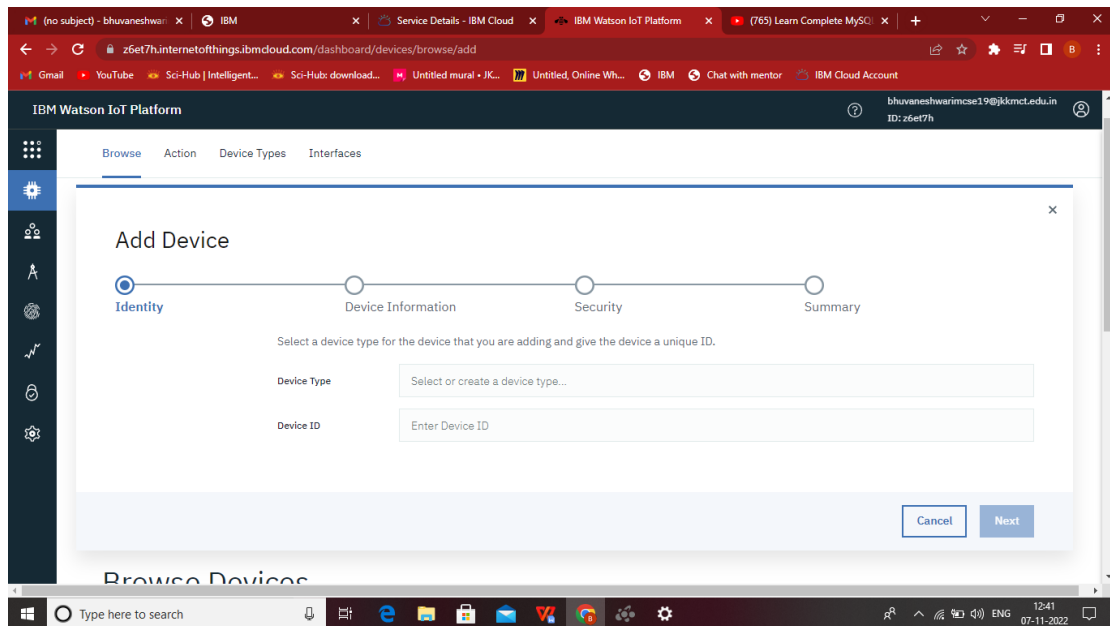
Email Address	Name	Role	Added By	Expires
bhuvaneshwarimcse19@jkkmc...	bhuvaneshwarimcse19...	Administrator	-	-

13. This tab is used when you want to connect to some other platform and to integrate with other services.

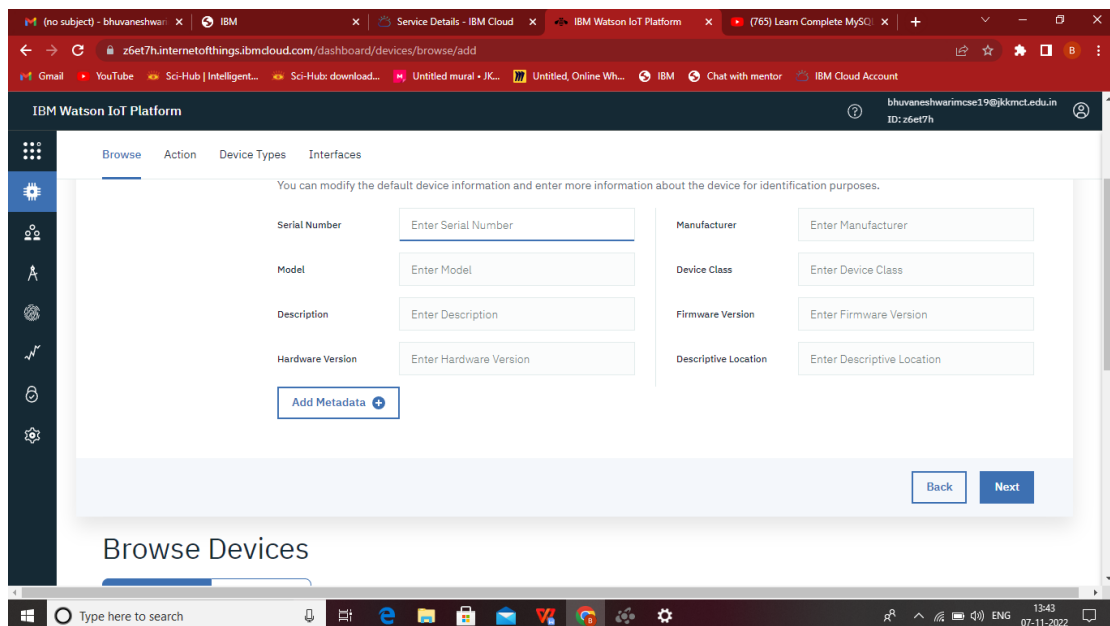


14. Click on the device tab and click on the add device button, then give the device type and device id and click next

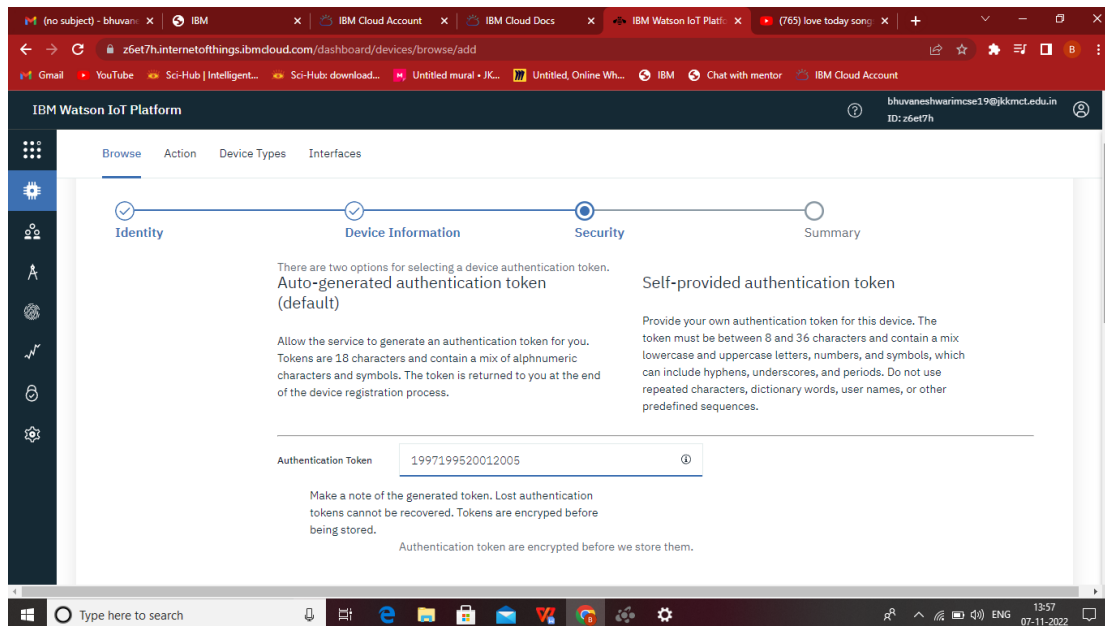




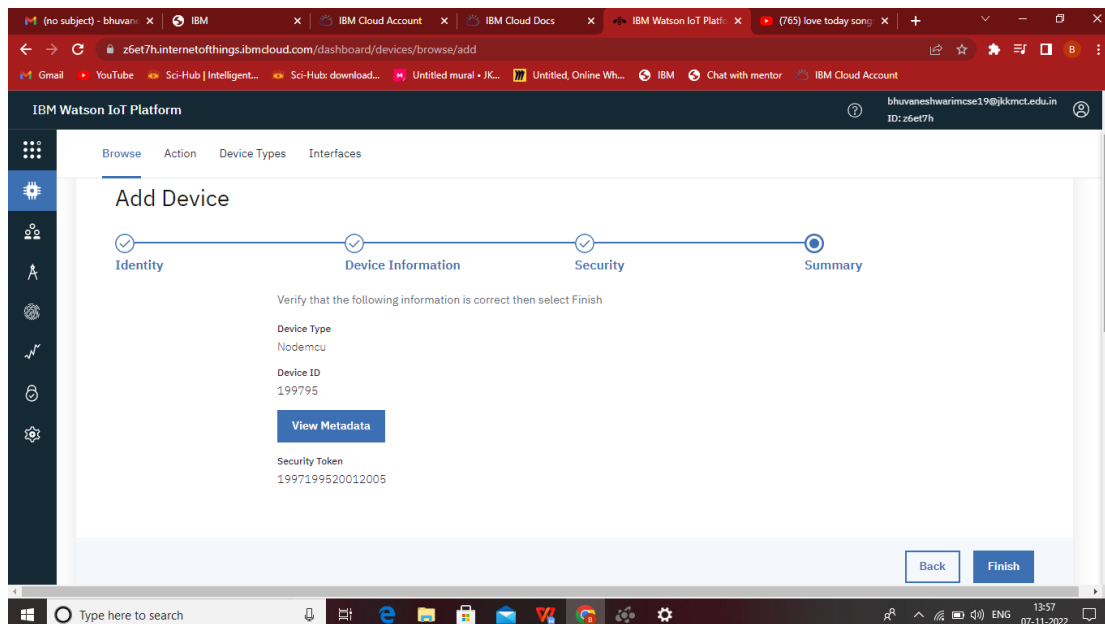
15. This page to enter extra details and of the hardware



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



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



18. The device credentials will be displayed with all the details

The screenshot shows the IBM Watson IoT Platform interface. The browser address bar displays the URL: `z6et7h.internetofthings.ibmcloud.com/dashboard/devices/drilldown/Nodemcu:199795?returnTo=/devices/browse`. The page title is "Device Drilldown - 199795". On the left, a sidebar menu lists various options, with "Device Credentials" selected. The main content area, titled "Device Credentials", contains a table with the following information:

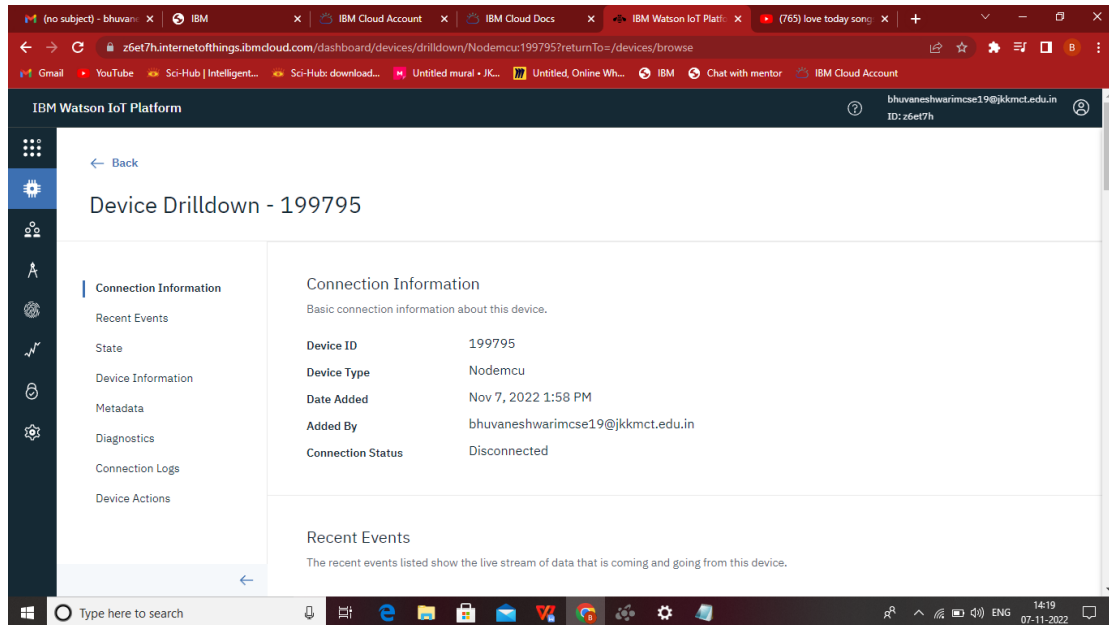
Organization ID	z6et7h
Device Type	Nodemcu
Device ID	199795
Authentication Method	use-token-auth
Authentication Token	1997199520012005

Below the table, a warning icon and text state: "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 at the bottom.

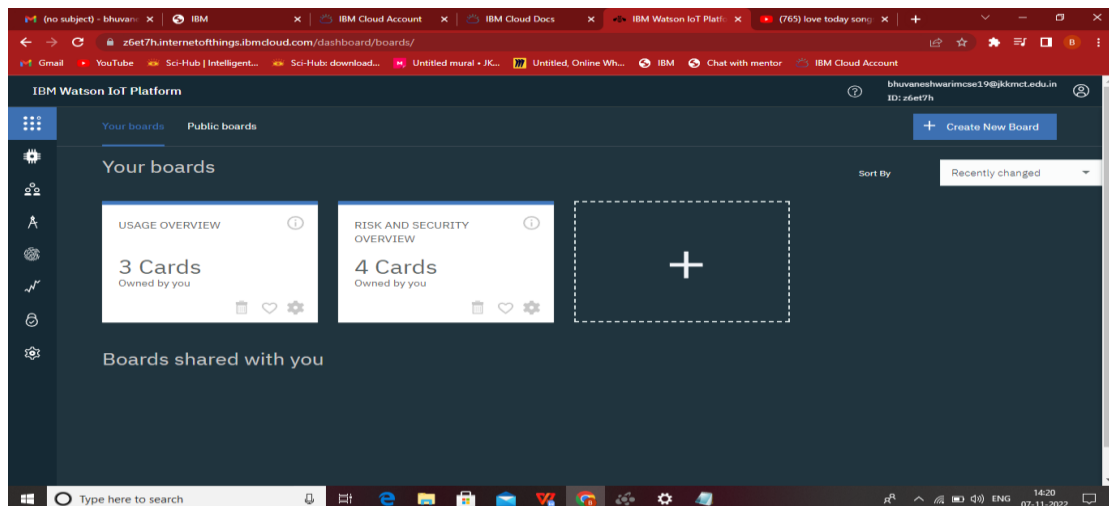
19. Safe the details of the device as the authentication tokens are non-recoverable and if misplaced then we have to create a new one.

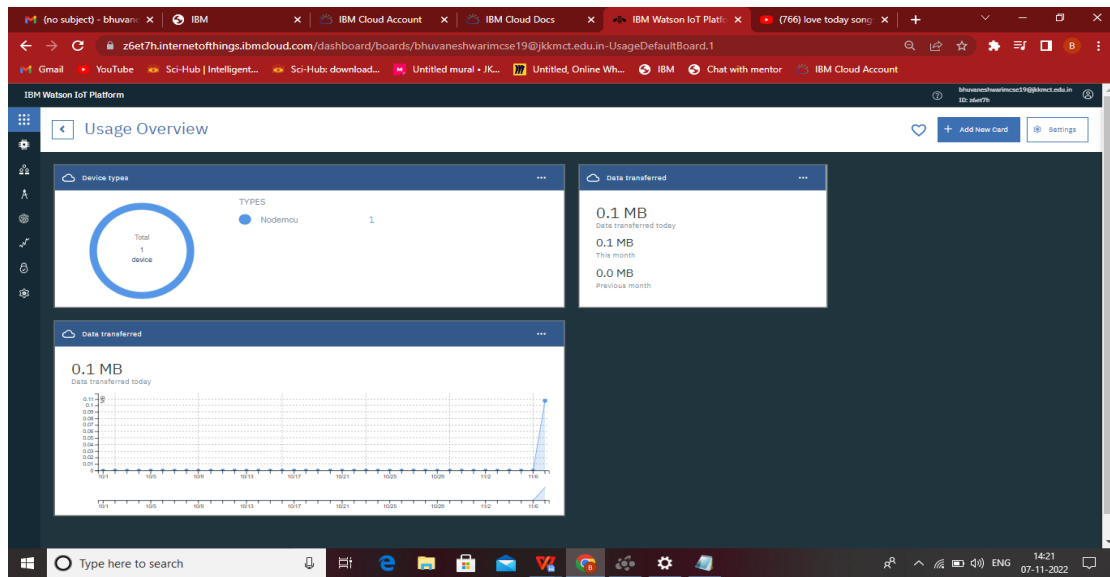
This screenshot is identical to the one above, showing the same IBM Watson IoT Platform interface with the "Device Credentials" for device 199795. The table and warning message are the same, emphasizing the non-recoverable nature of the authentication token.

19. 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.



21. The Boards will display card for the project.





RESULT:

An IBM Watson cloud for IoT and a device is created.