

CREATE IBM WATSON IOT PLATFORM AND DEVICE CREATE IBM WATSON IOT PLATFORM AND DEVICE

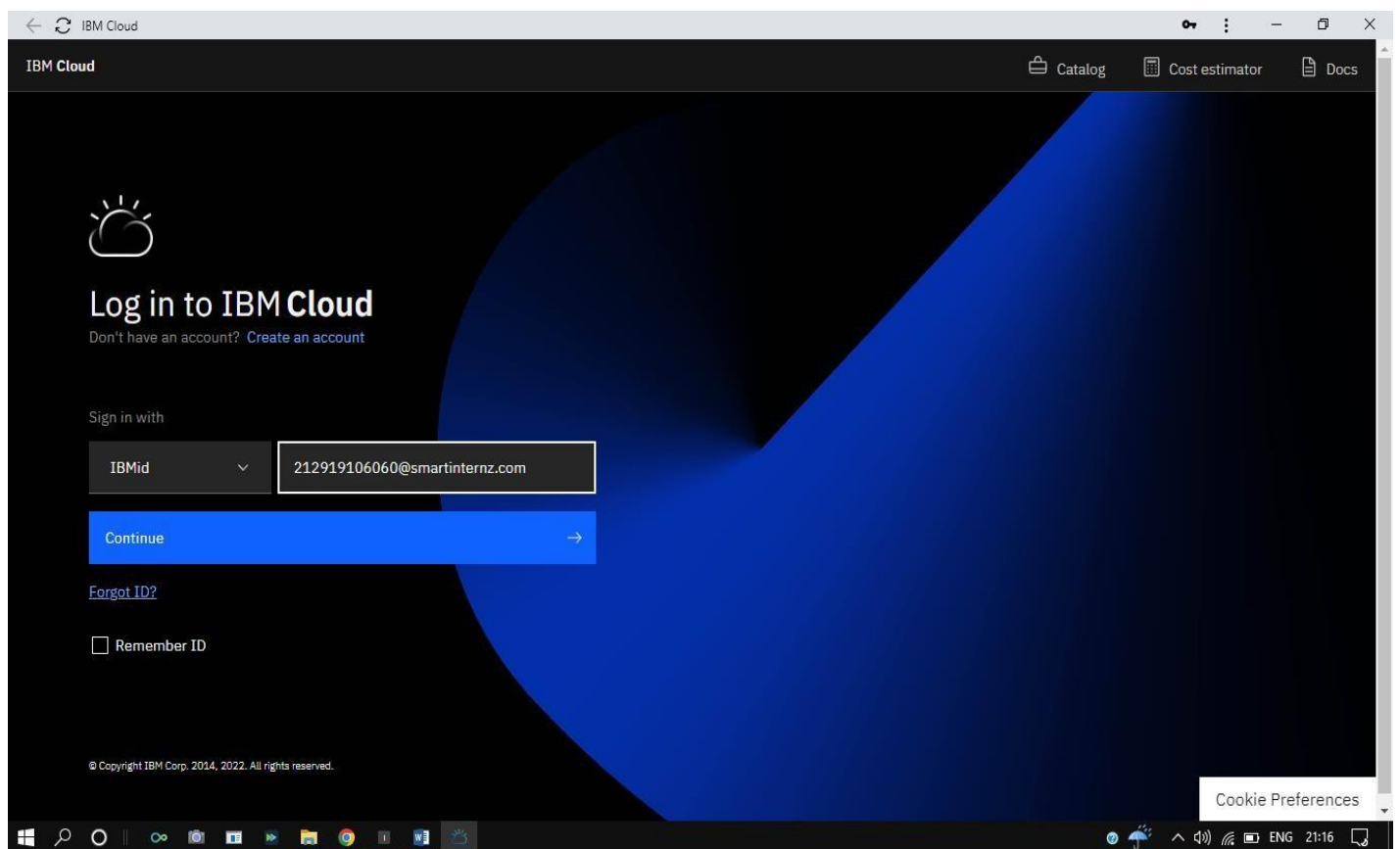
Date	9 November 2022
Team ID	PNT2022TMID26651
Project Name	Smart waste management using IOT in metropolitan cities

AIM:

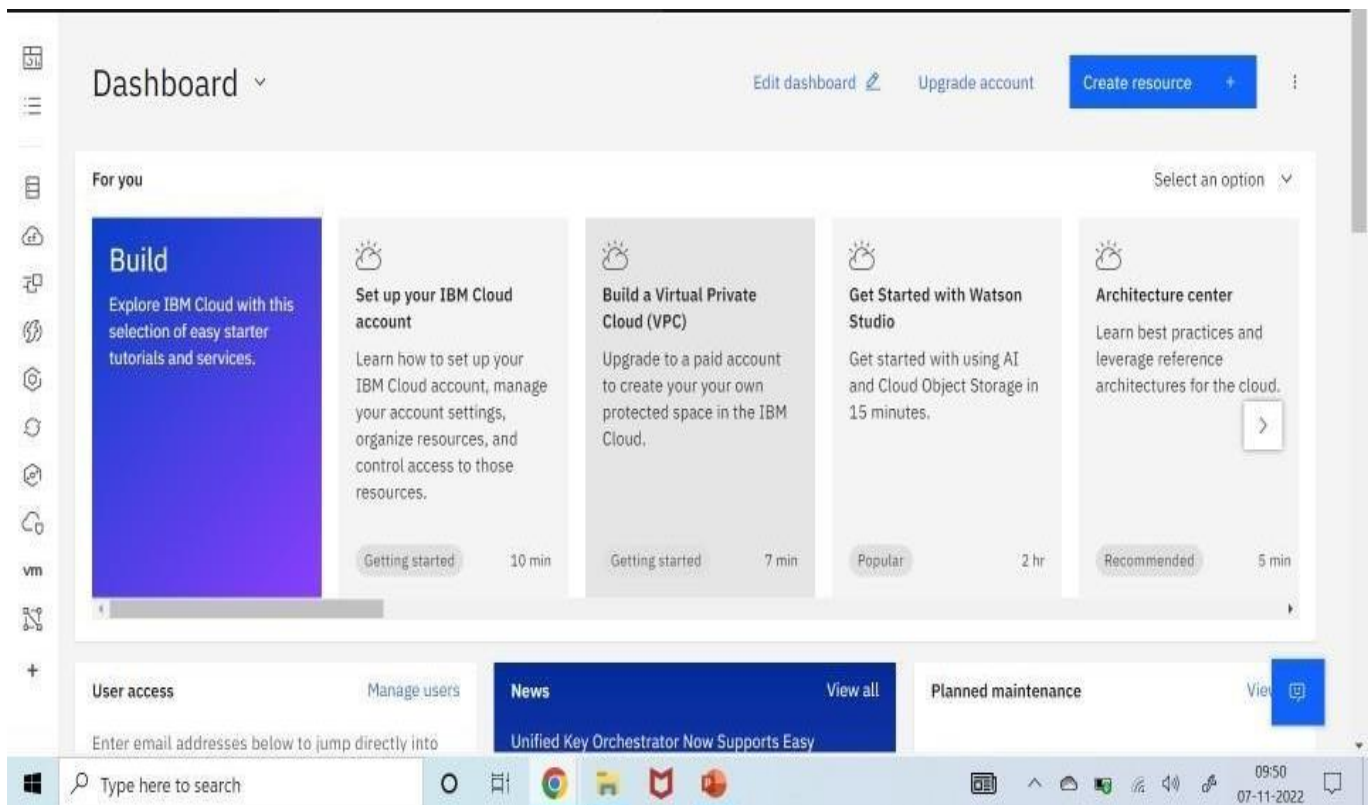
To create the IBM Watson IoT platform and device.

Steps to be followed

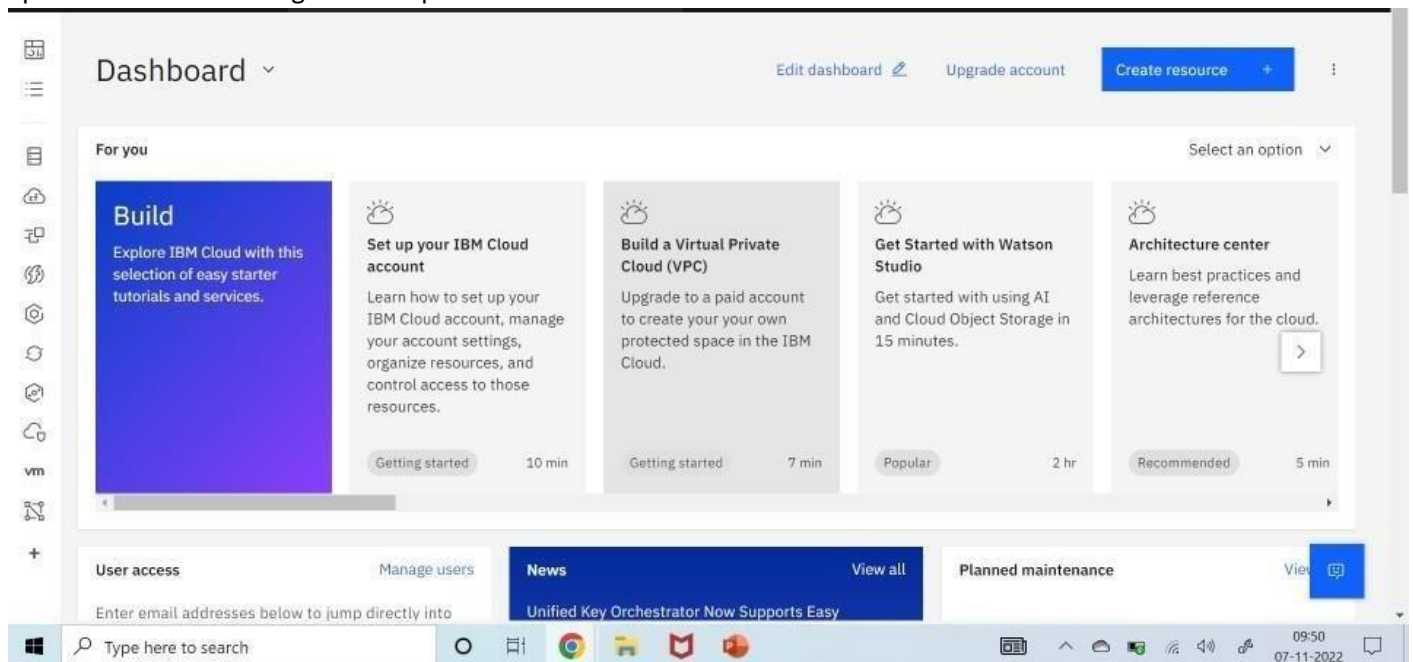
Step 1: Firstly, create an IBM cloud account with IBM id and password.



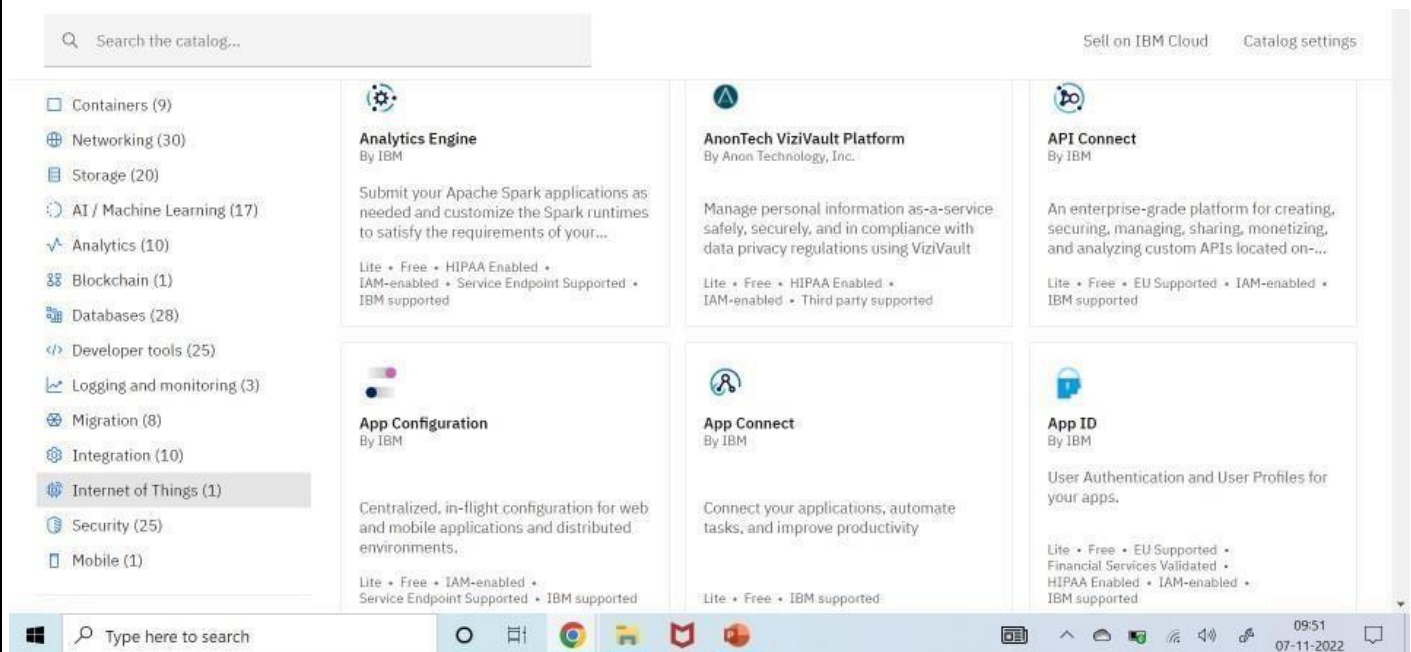
Step 2: Home page of IBM cloud.



Step 3: Click on the catalog on the top.



Step 4: Click on IoT in the category mentioned.



Step 5: Click on Internet of Things Platform.

Catalog /

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

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	Free

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-og

Resource group: Default

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


Create

Add to estimate

Type here to search

09:53 07-11-2022

Step 6: If already a lite is present delete it else u can't create another.



Catalog /

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Add to estimate

Step 7: Tick agreements and then click on create.



Catalog /

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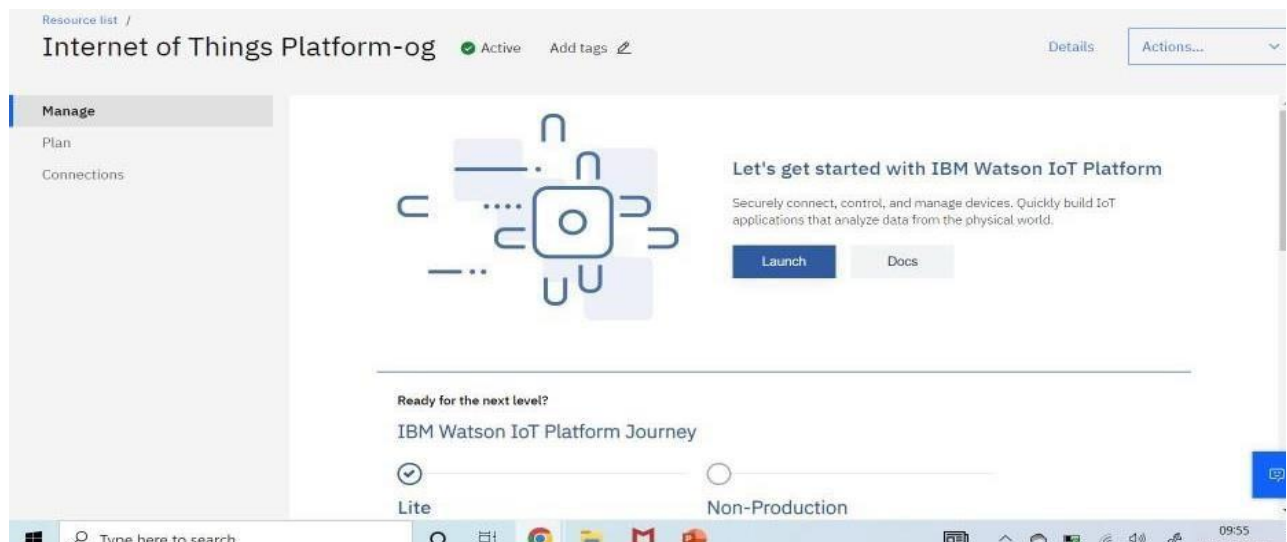
Resource group: Default

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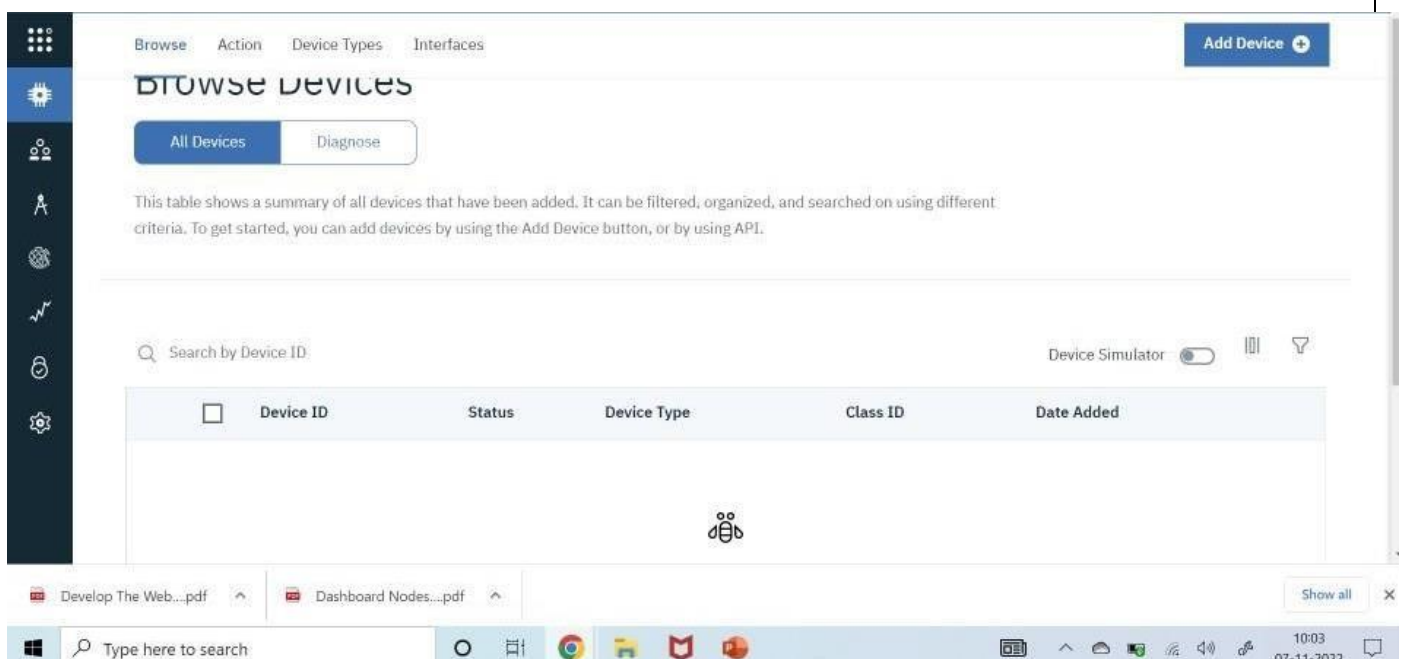
Create

Add to estimate

Step 8: Click on the launch button.



Step 9: This is the IBM Watson platform.



Step 10: Click on Add Device.

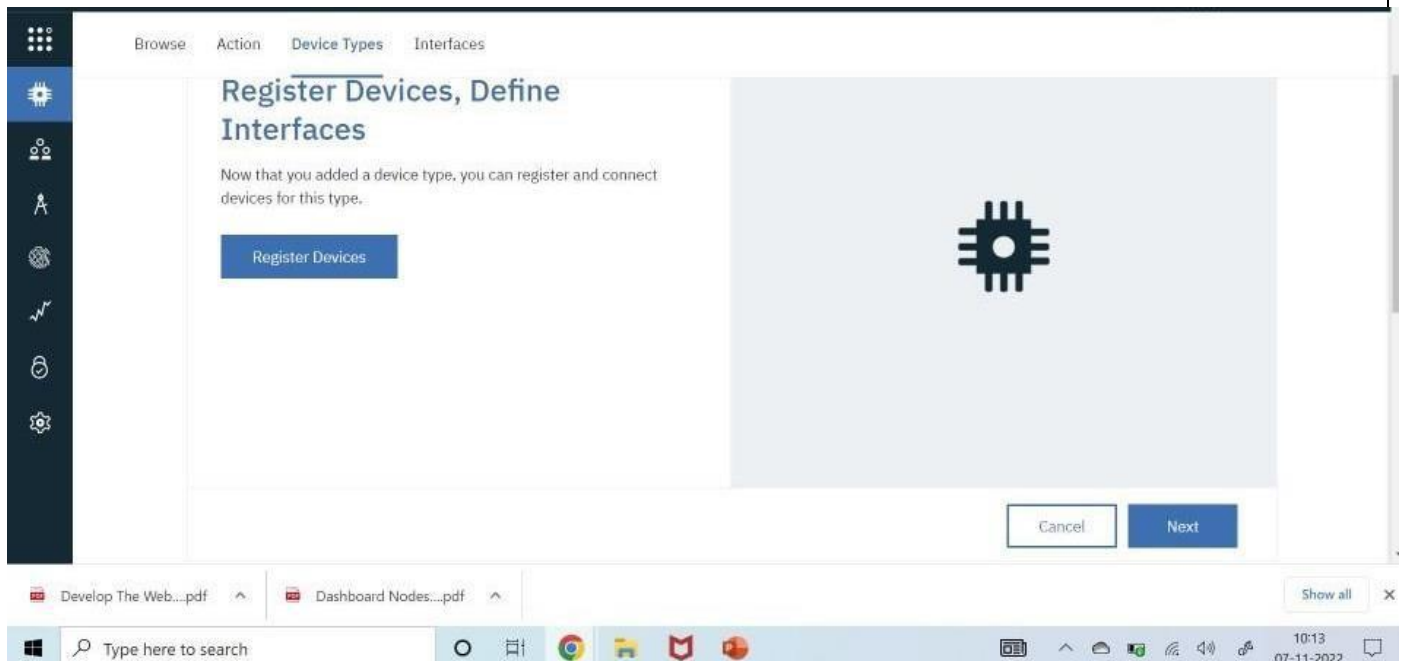
Step 11: Click on Device Type.

The screenshot shows a software interface with a sidebar on the left containing various icons. The main window displays a dialog titled "Add Device". At the top of the dialog, there are tabs: "Browse", "Action", "Device Types", and "Interfaces". Below the tabs is a progress bar with four steps: "Identity" (selected), "Device Information", "Security", and "Summary". 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." Below this prompt 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 dialog are two buttons: "Cancel" and "Next".

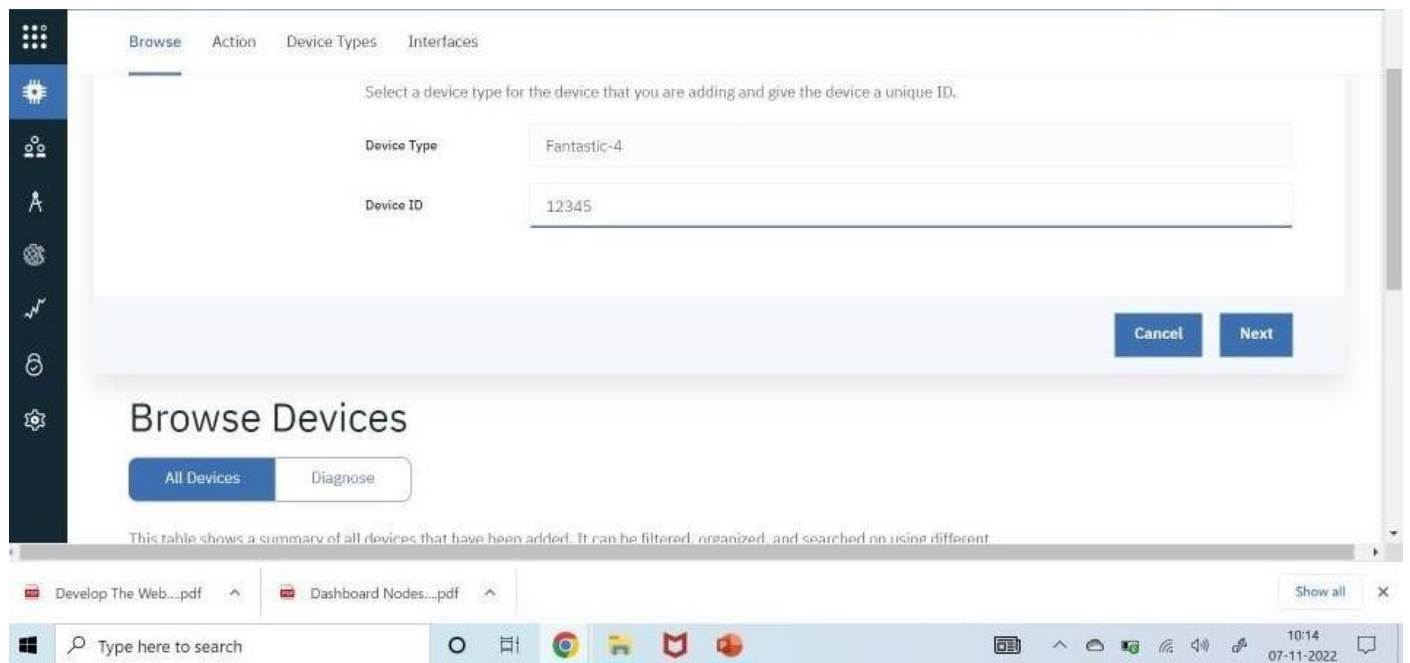
Step 12: Fill the details.

This screenshot is identical to the one above, showing the "Add Device" dialog box in the same software interface. It displays the "Identity" step of the process, with the "Device Type" and "Device ID" input fields ready for user input. The "Next" button is visible at the bottom right.

Step 13: Click on Register Devices.

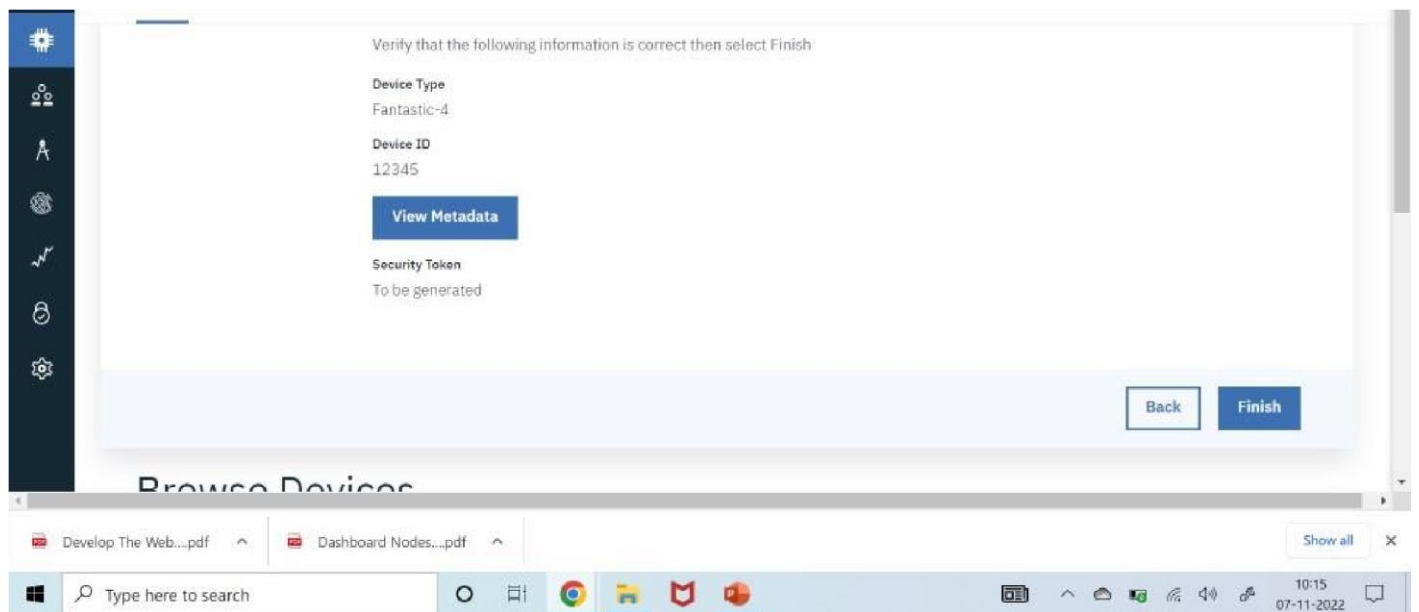


Step 14: Give the device name which you have created and give Device ID.

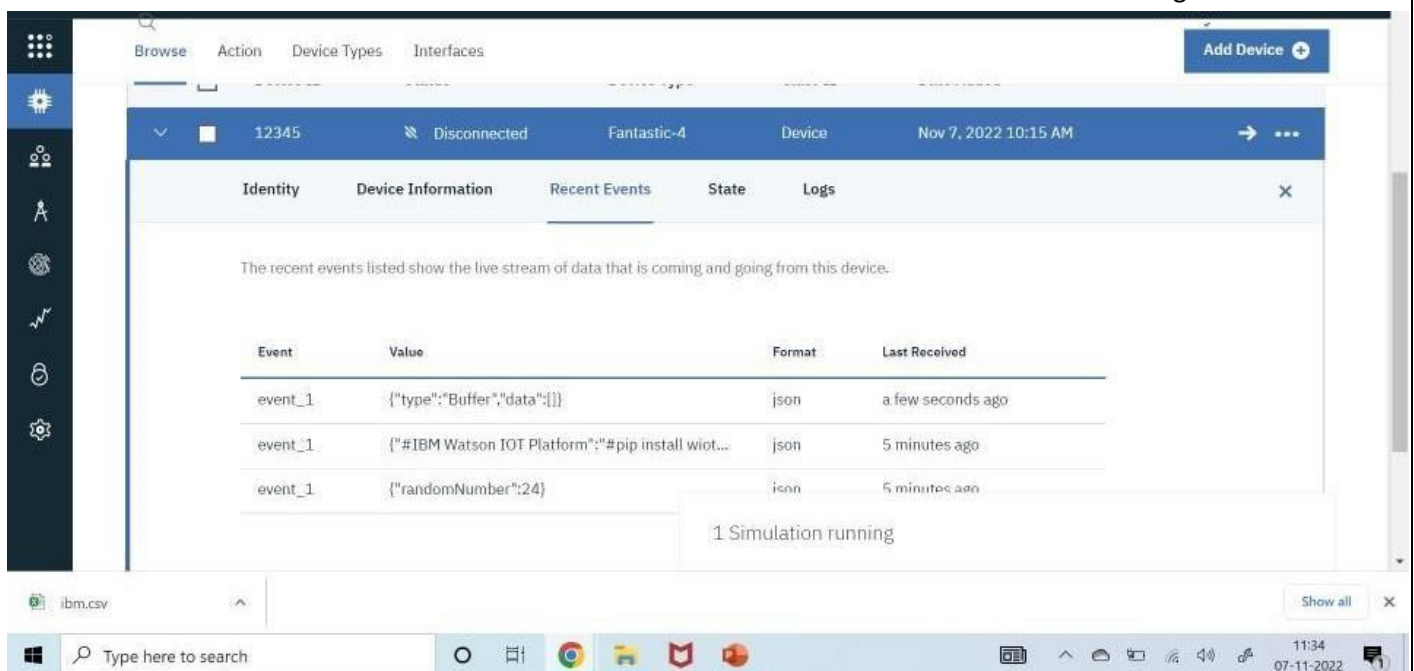


Step 15: After giving all the data, Click on Finish.

Step

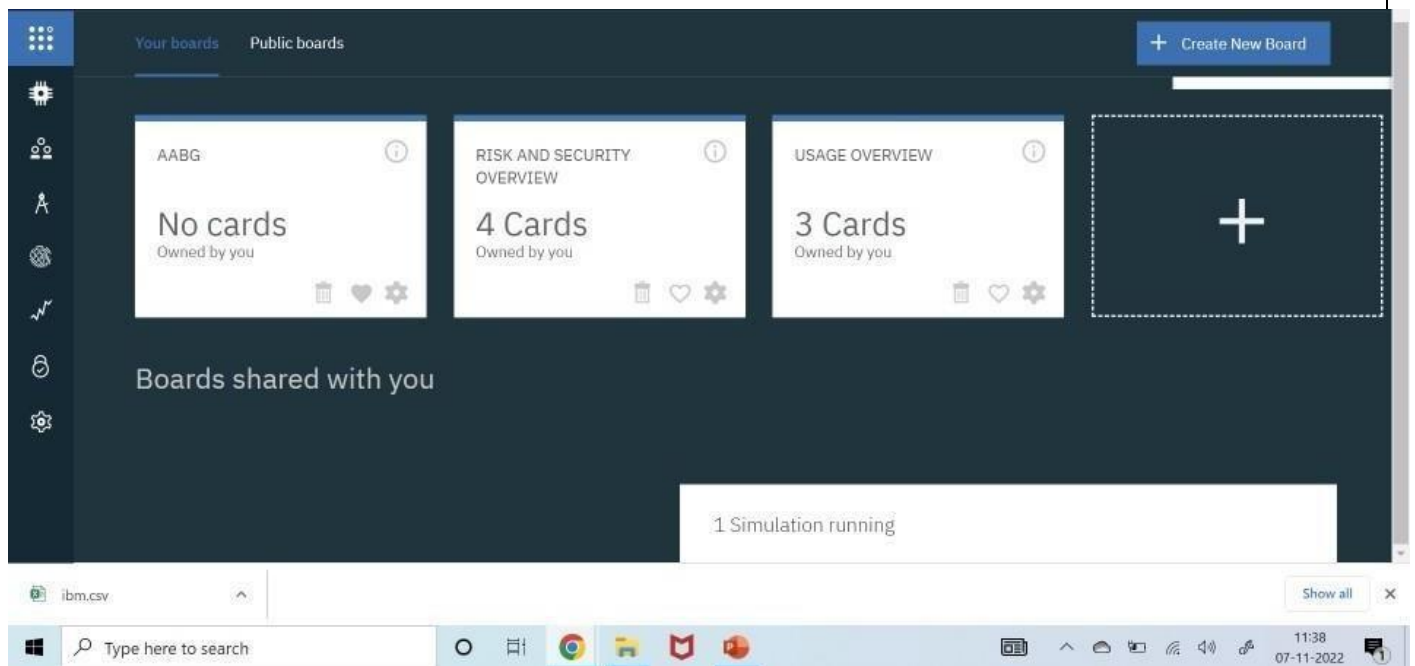


16: Go to devices then click on devices and check the recent events whether the code is running or not.

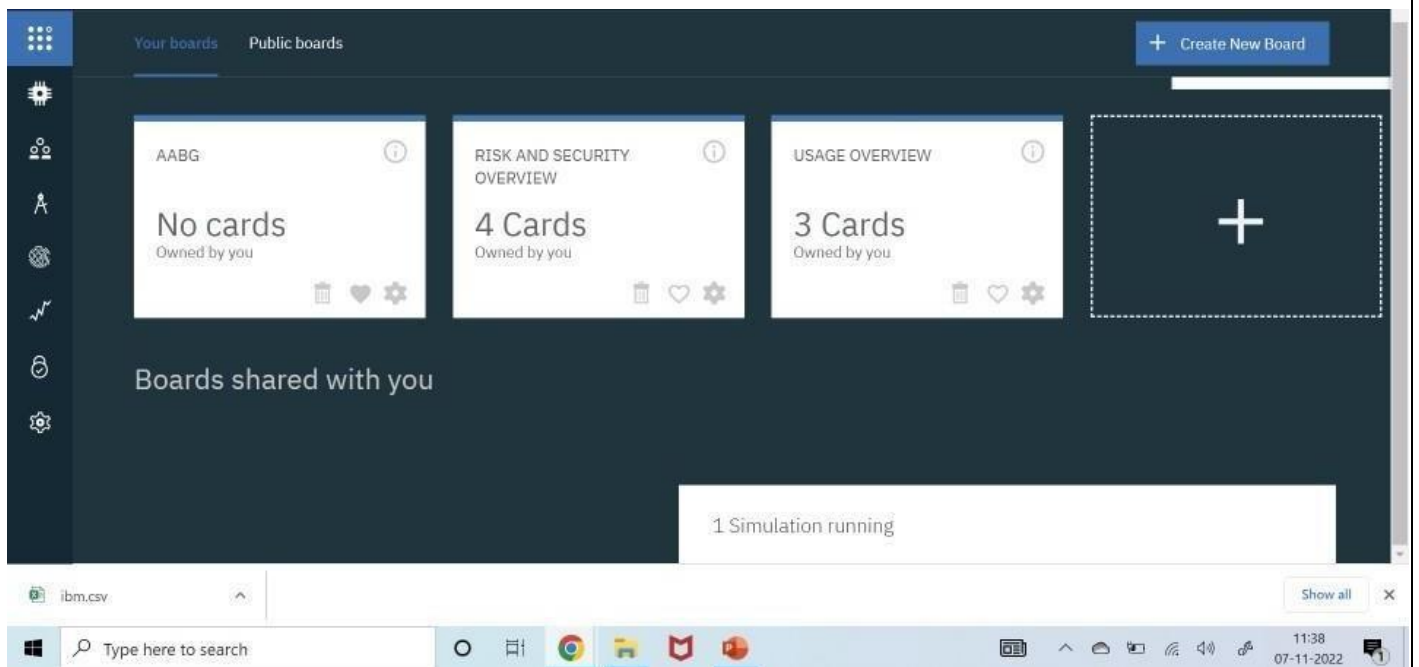


Step 17: Go to Board and click on + Create New Board, fill the details and create a board.

Step

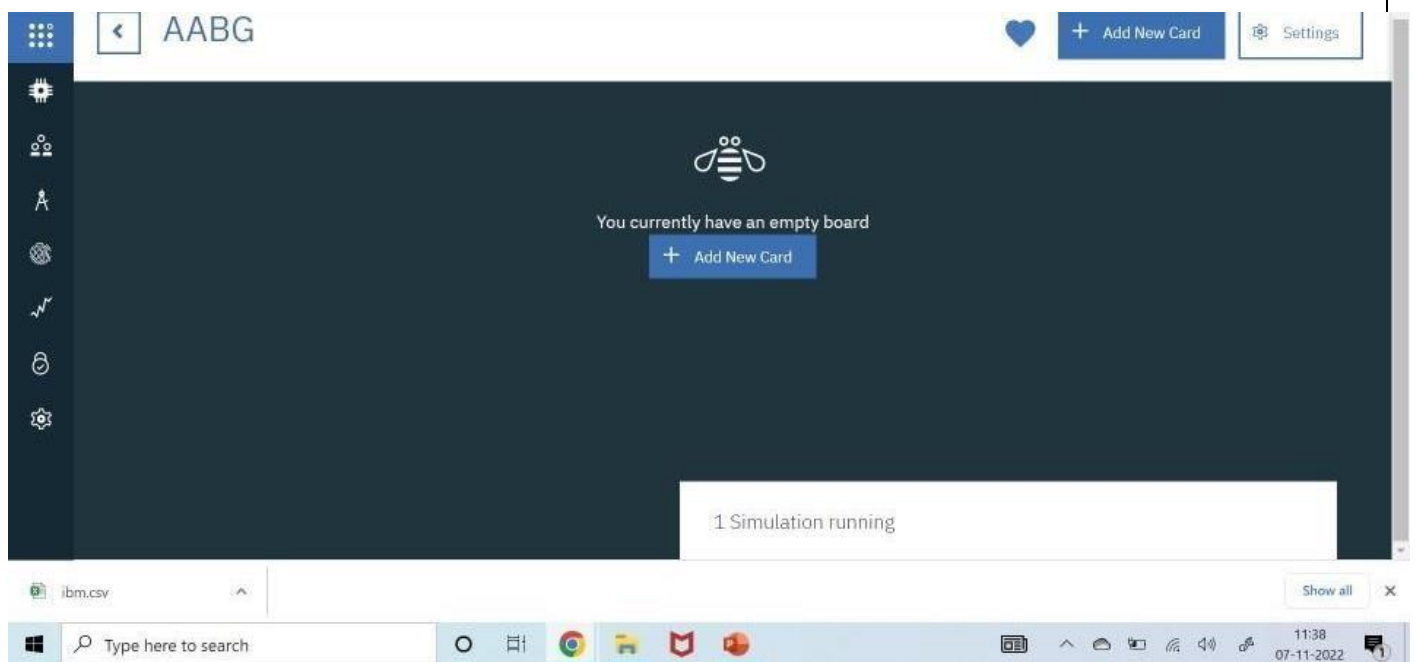


18: Click on the board which is created.



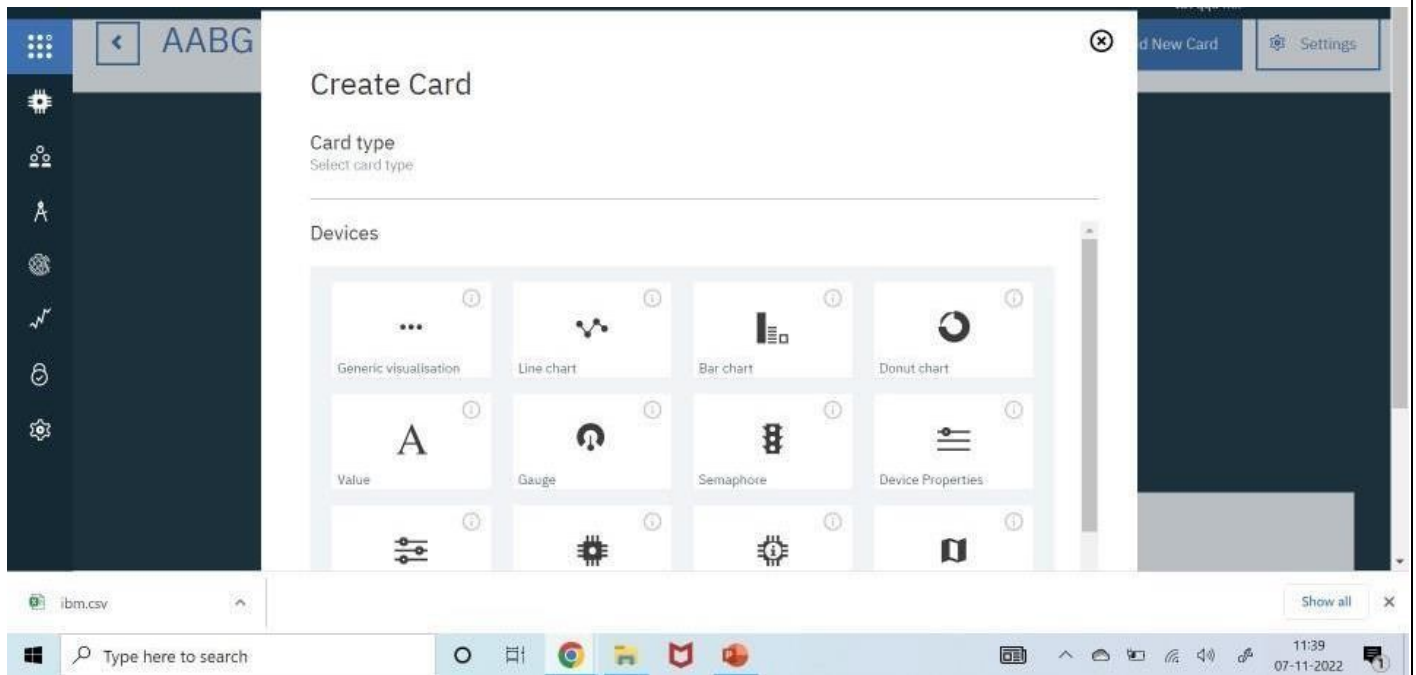
Step 19: Go Add New Card.

Step

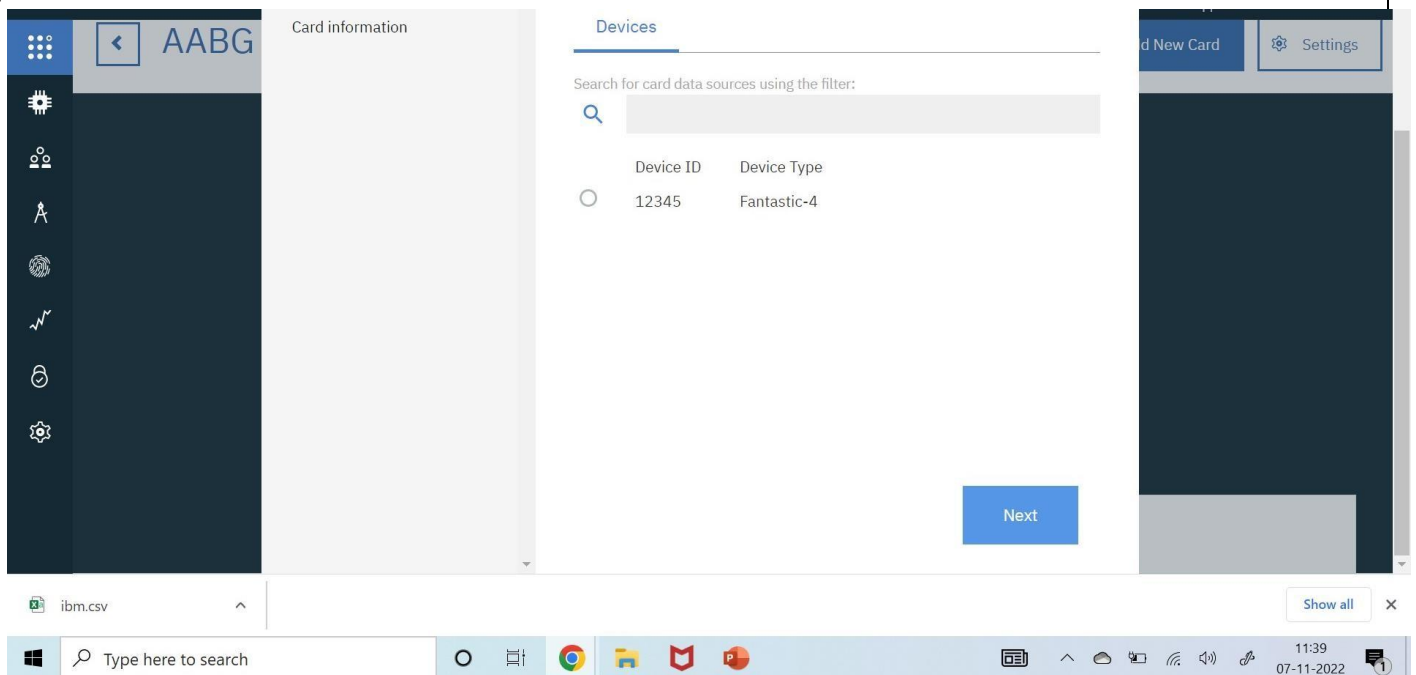


20: Choose the Card Type.

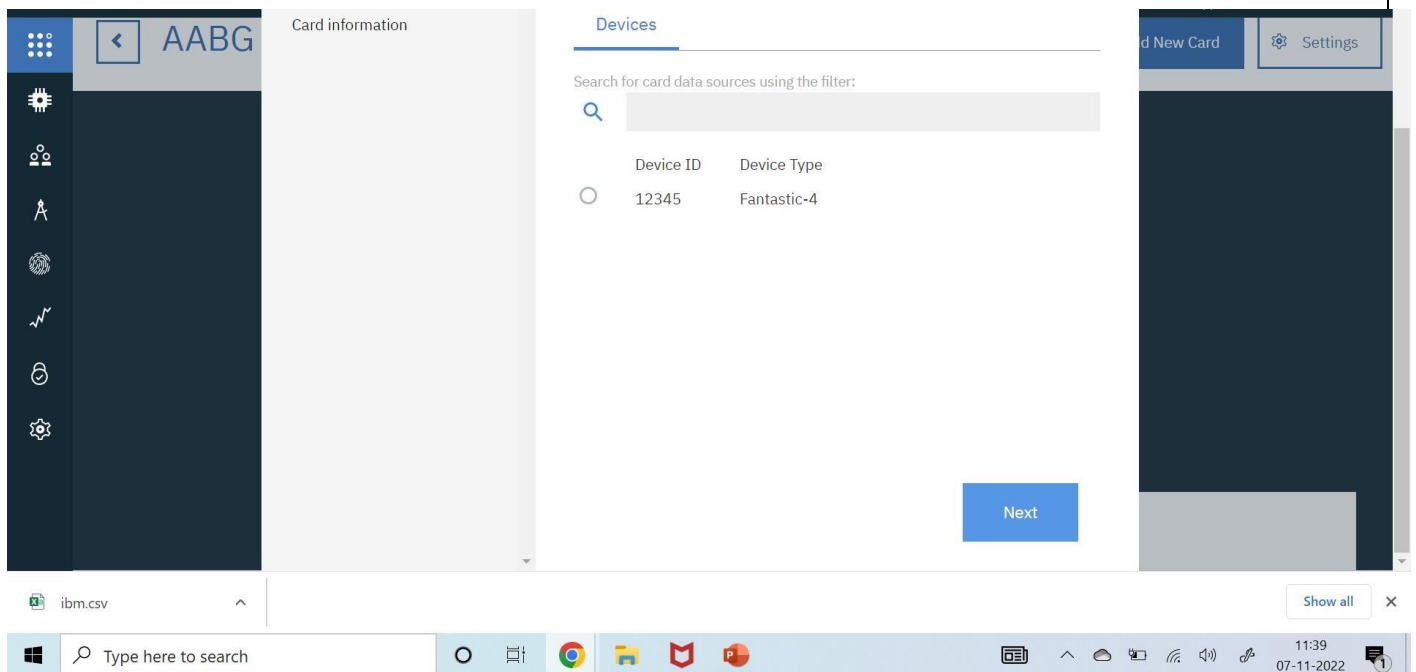
Step



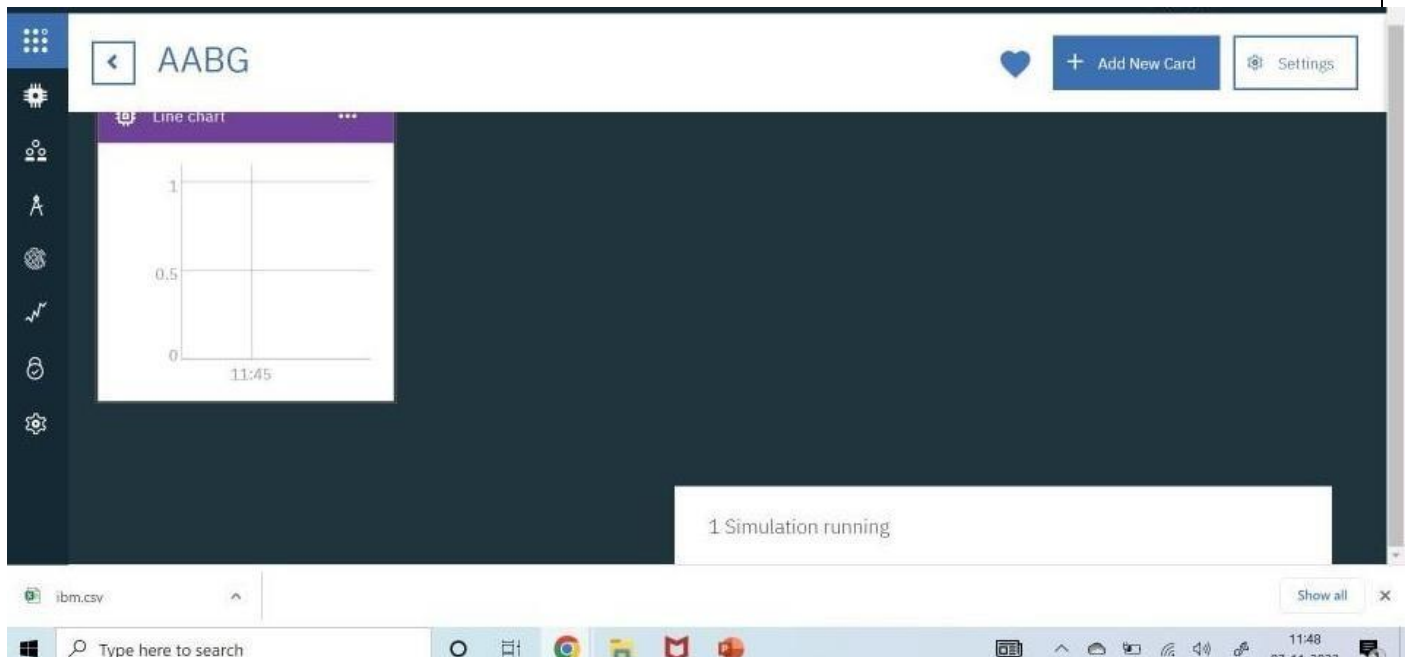
Step 21: Choose the device.



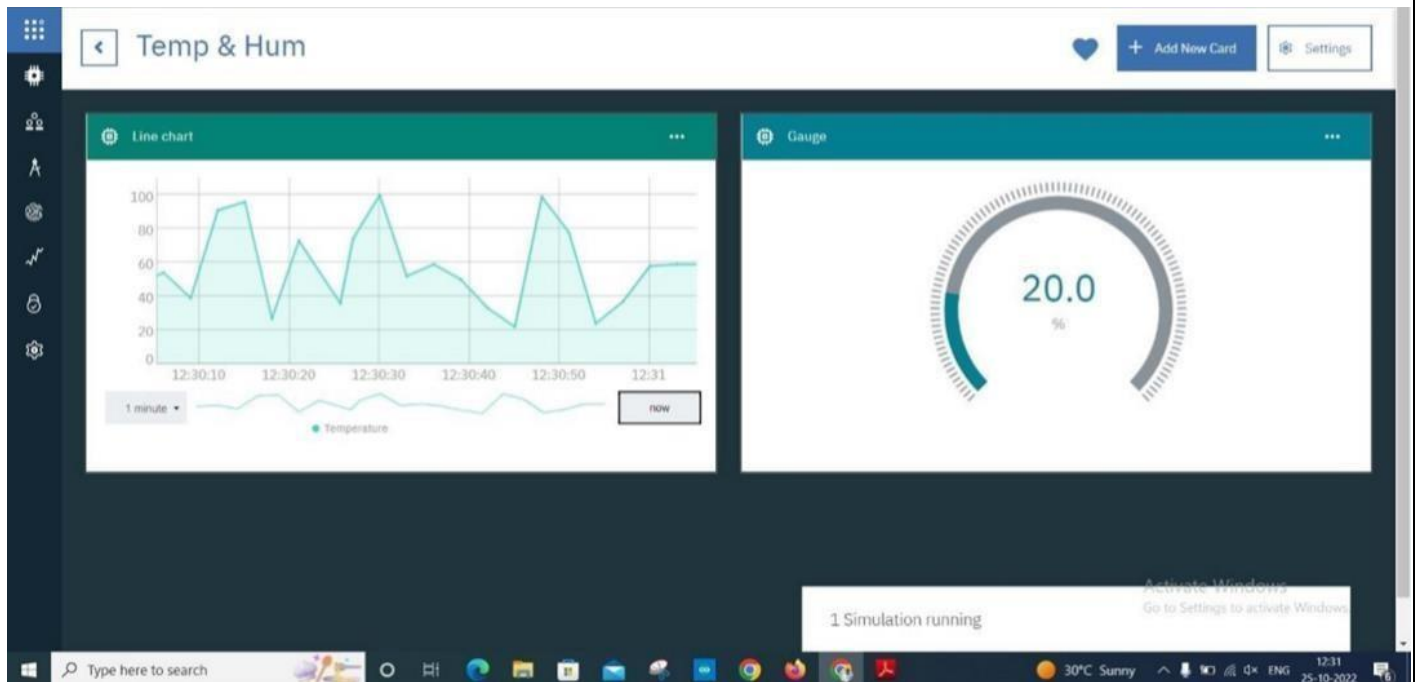
Step 22: Fill the details to get Temperature graph.



Step 23: Repeat the same process again to get the Humidity graph.



Step 24: Here is the Final graph.



Result:

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