

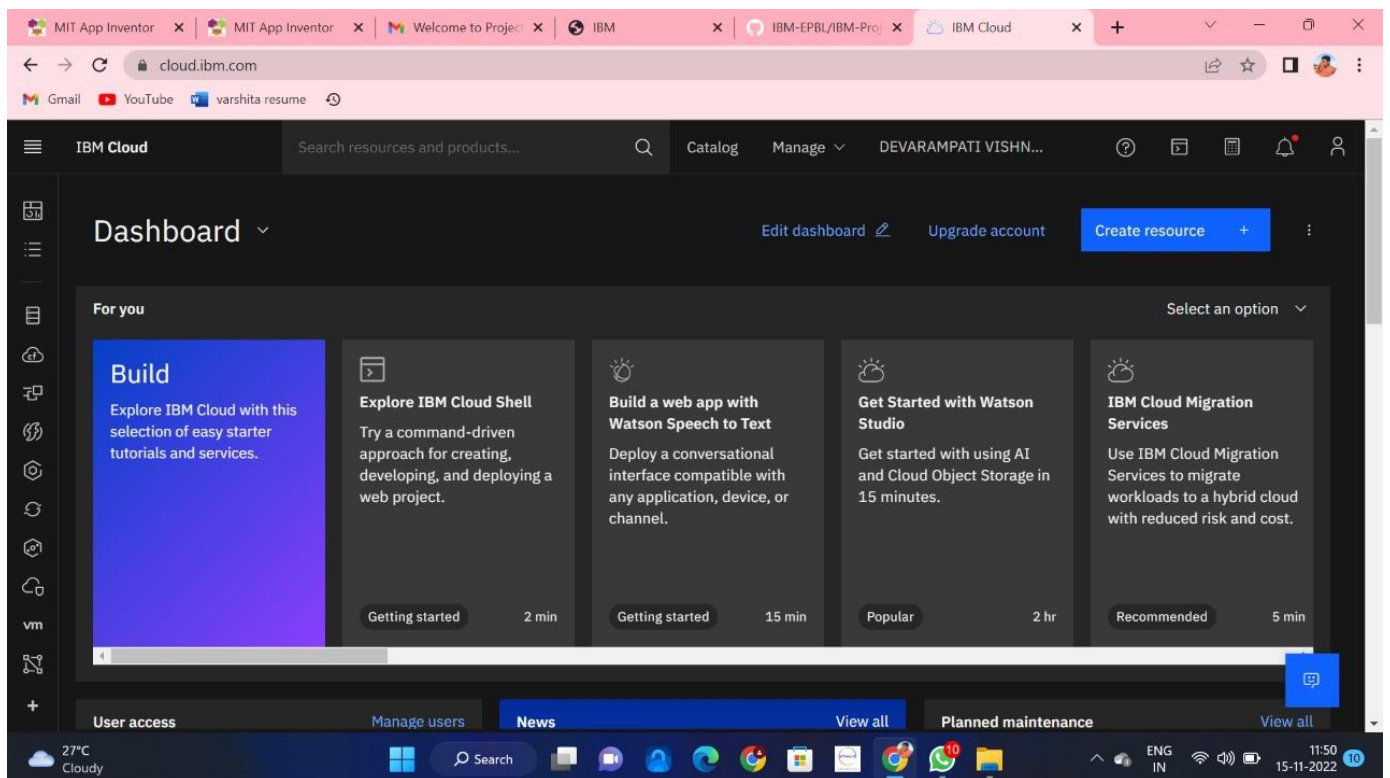
IBM Watson Platform

Team ID	PNT2022TMID08457
Project Name	Smart Farmer -IOT Enabled Smart Farming Application
Maximum Marks	4 Marks

There are several steps to create IBM Watson platform

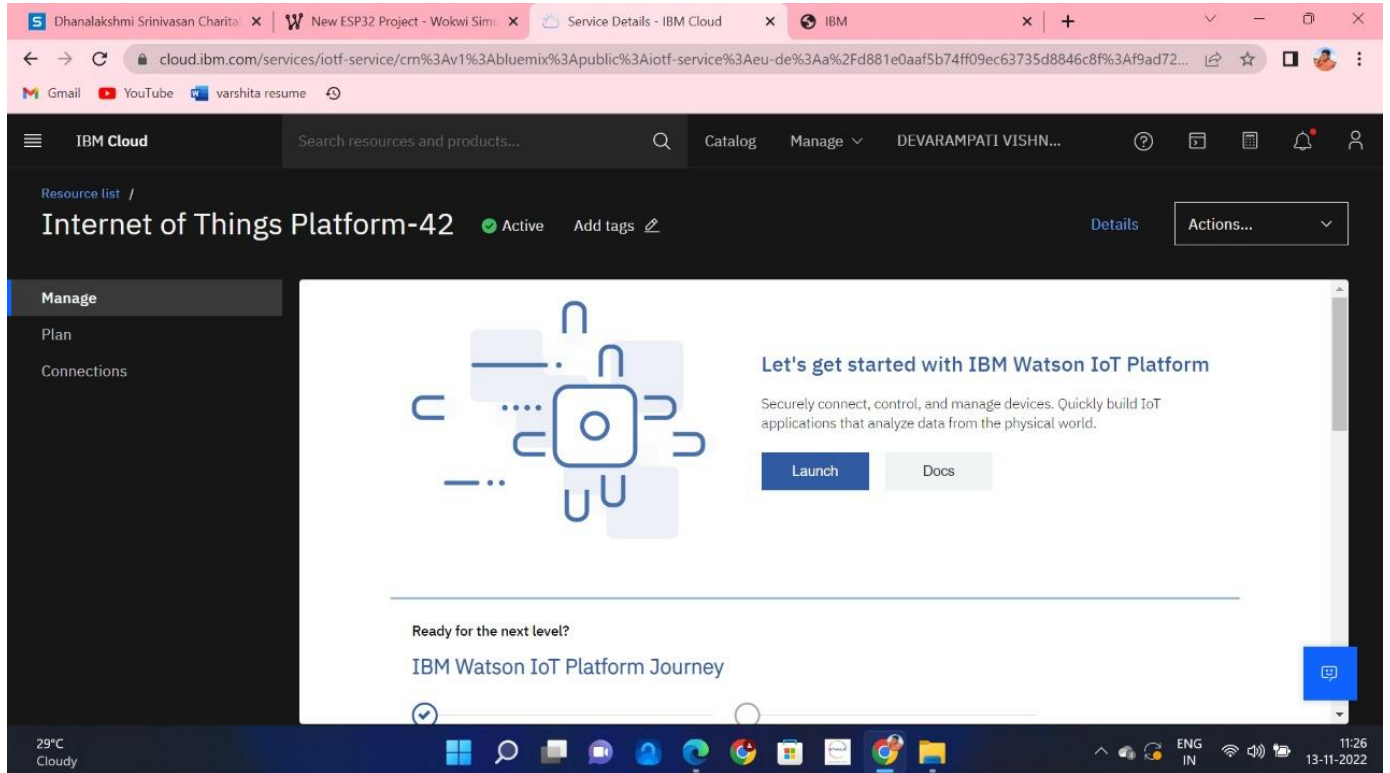
Step 1:

Firstly, you need to login to the IBM cloud using your IBM id and password, then you will be redirected to the IBM dashboard as shown below



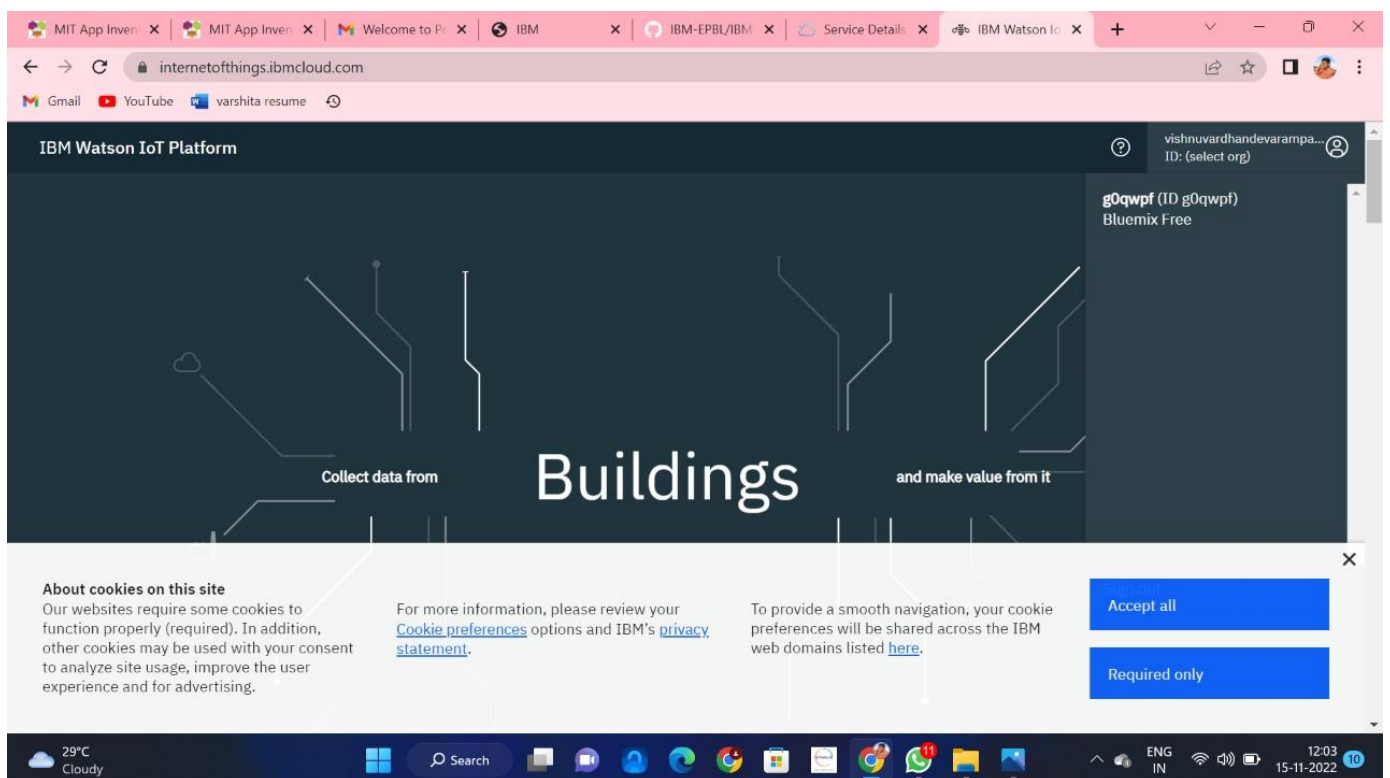
Step 2:

Click on the catalog and you will find a search bar. Search for the Internet of things platform then choose create option below in the page and you will be redirect to the below page.



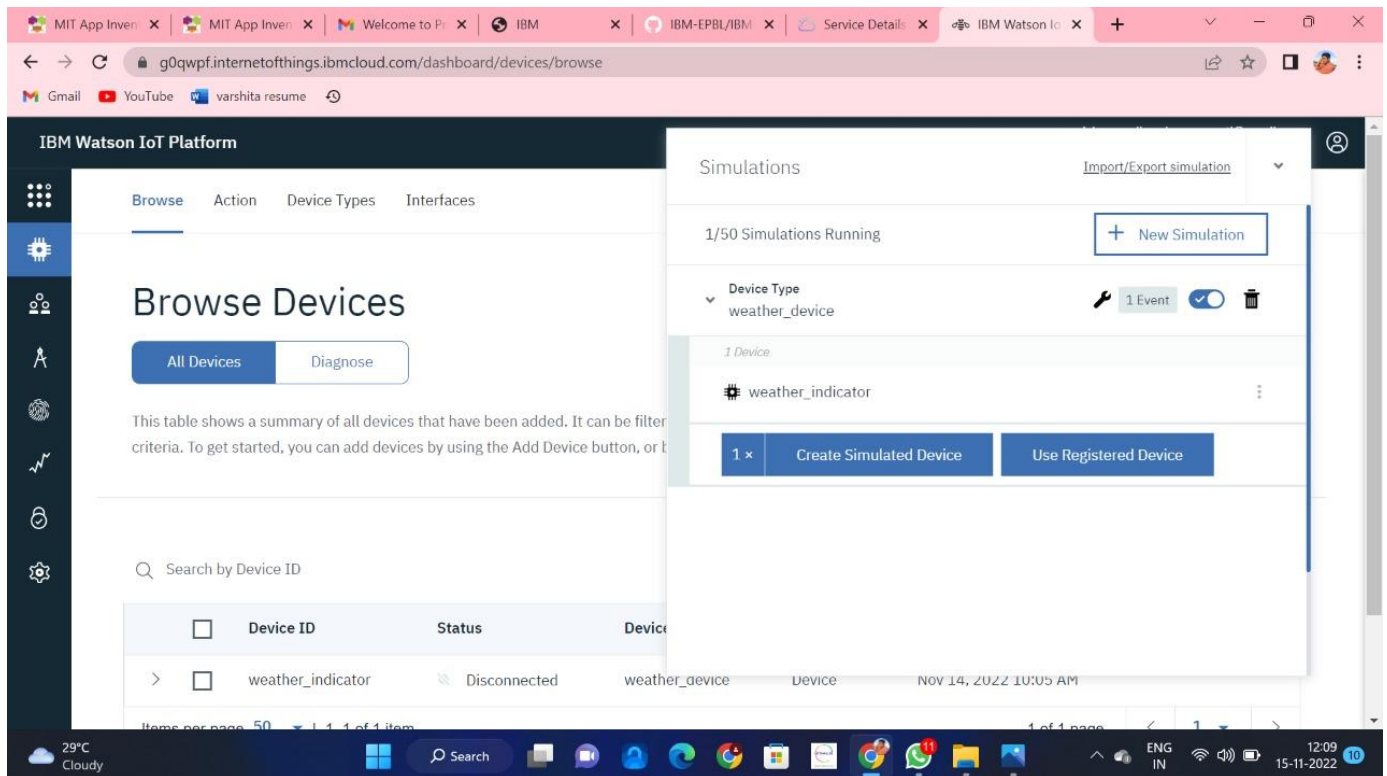
Step 3:

click on the launch button, then you will be redirect to the login page of IBM Watson IOT platform as shown below

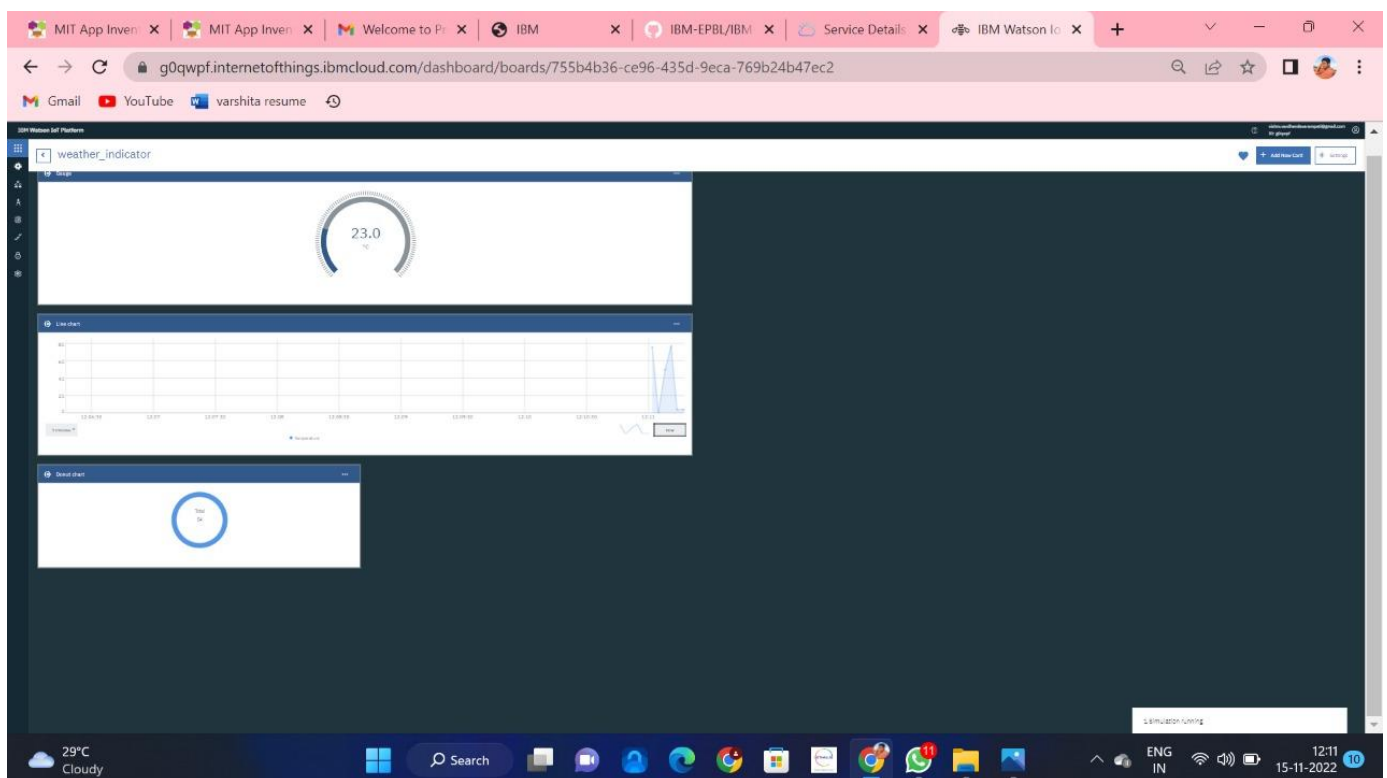


Step 4:

After you login, you get the Watson dashboard and you need to register a device and get stimulation started by giving the required details. Go to the board section and add new board, then add aboard so that you can calculate the parameter that you have added in the project



Also we can observe the board readings of our parameters as follow



Step 5:

Add our team mates in the browse members icon by giving their mail linked to the IBM cloud account as shown below

IBM Watson IoT Platform

Browse Members

Type the member email to search for

This table shows a summary of the members of the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add members by clicking Add Members, or by using the API. For more information about members, see [Managing user access](#).

Email Address	Name	Role	Added By	Expires
bhanusmart1438@gmail.com	SANGANI BHANU C...	Developer	vishnuvardhandevaram...	-
chopparasreecharan@gmail.com	CHOPPARA SREE C...	Developer	vishnuvardhandevaram...	-
karthi.p010502@gmail.com	P KARTHI	Reader	vishnuvardhandevaram...	-
vishnuvardhandevarampati...	vishnuvardhandevaram...	Admin		

4 results

1 Simulation running

Step 6:

Generate API key in the apps icon and. It can be filtered, organized, and search ion using different criteria.

IBM Watson IoT Platform

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

Key	Description	Role	Expires
a-g0qwpf-ge1ggxsxfy	-	Standard Application	-
a-g0qwpf-hb3fpwerx9	-	Standard Application	-
a-g0qwpf-tqjda9vkmz	API Key for the device sim...		

3 results

1 Simulation running

Step 7:

Now again go to devices there you can find the device that you have registered and all the info regarding the device that you have registered will be displayed there

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present. The main content area displays a table of devices. The first device is 'weather_indicator', which is 'Disconnected'. Below the table, a modal window shows the 'Identity' tab for this device, displaying the following information:

Property	Value
Device ID	weather_indicator
Device Type	weather_device
Date Added	Nov 14, 2022 10:05 AM
Added By	vishnuvardhandevarampati@gmail.com
Connection Status	Disconnected

At the bottom of the modal, it indicates 'Items per page 50' and '1-1 of 1 item'. A status bar at the bottom of the dashboard shows '1 Simulation running'.

And on the recent events, the randomly generated values of our parameters will be generated as shown below

The screenshot shows the IBM Watson IoT Platform dashboard with the 'Recent Events' tab selected. The text above the table states: 'The recent events listed show the live stream of data that is coming and going from this device.' The table displays the following data:

Event	Value	Format	Last Received
event_1	{"Temperature":4,"Humidity":27,"Soil":43}	json	a few seconds ago
event_1	{"Temperature":15,"Humidity":88,"Soil":12}	json	a few seconds ago
event_1	{"Temperature":11,"Humidity":23,"Soil":85}	json	a few seconds ago

At the bottom of the table, it indicates 'Items per page 50' and '1-1 of 1 item'. The status bar at the bottom of the dashboard shows '1 Simulation running'.