

VEL TECH MULTI TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE

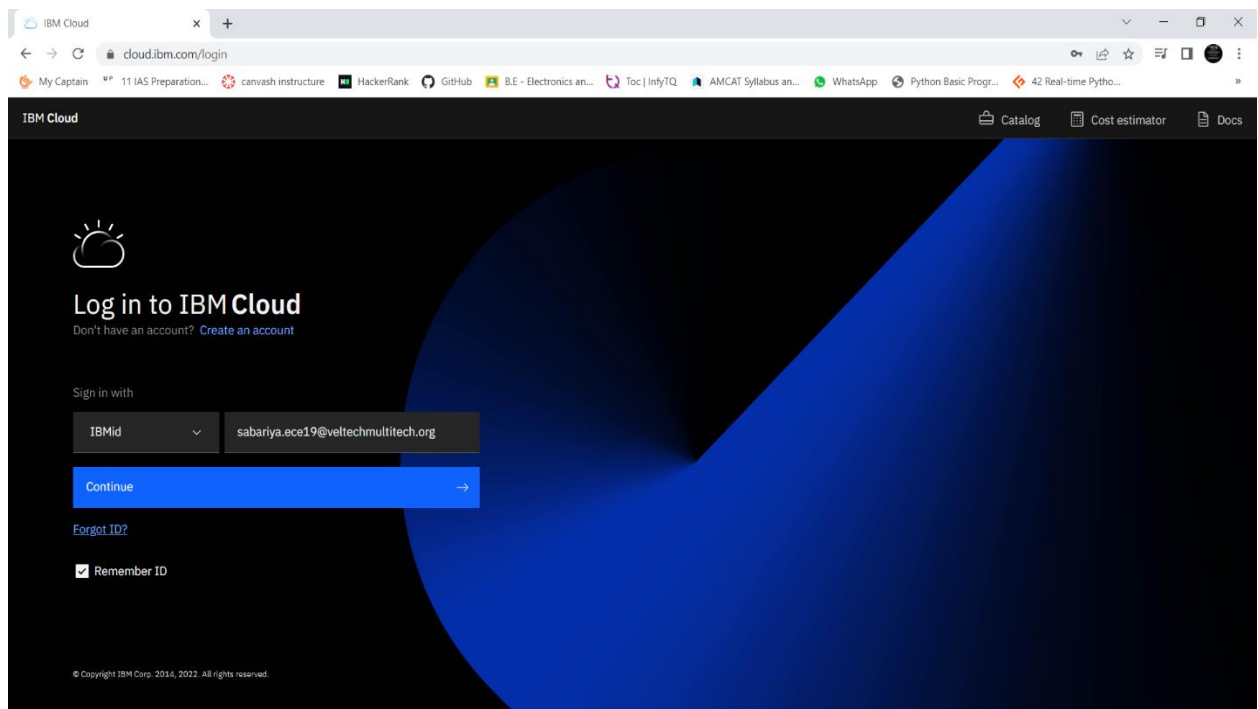
Department of Electronics and Communication Engineering

Smart Farmer-IOT Enabled Smart Farming

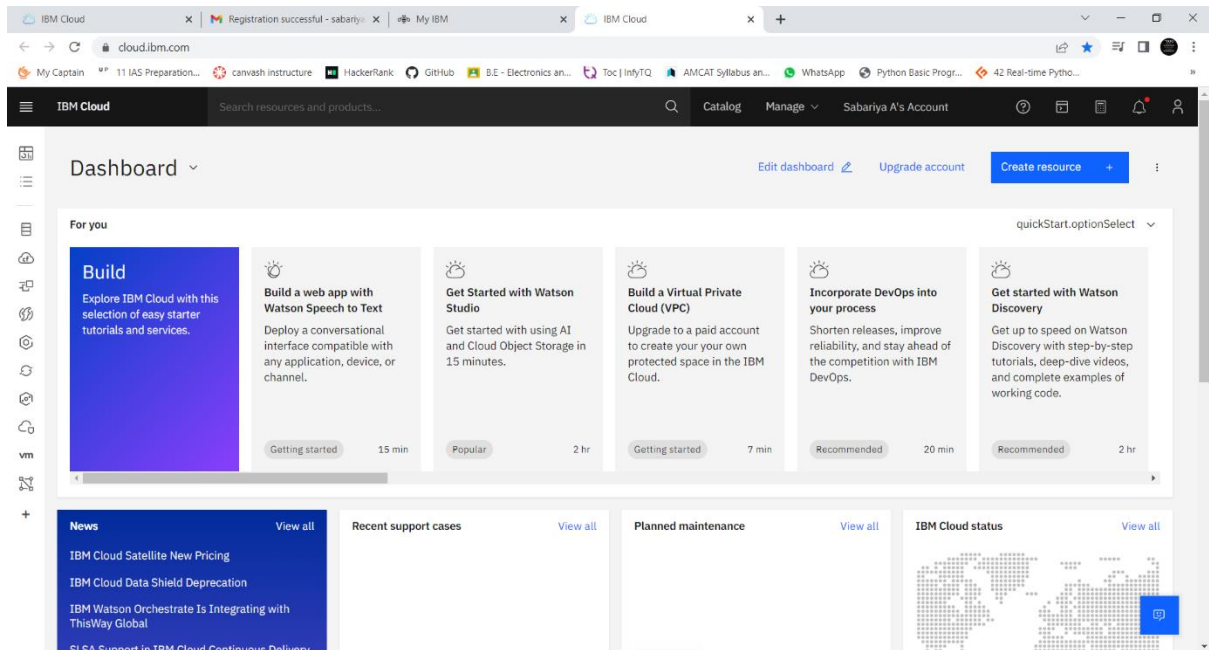
TEAM ID	PNT2022TMID22476
LEADER NAME	SABARIYA A
TEAM MEMBER NAME	GAYATHRI M S PRIYADHARSHINI A PONSHEEBA M
MENTOR NAME	KALPANA

IBM IOT WATSON PLATFORM AND A DEVICE CREATION :

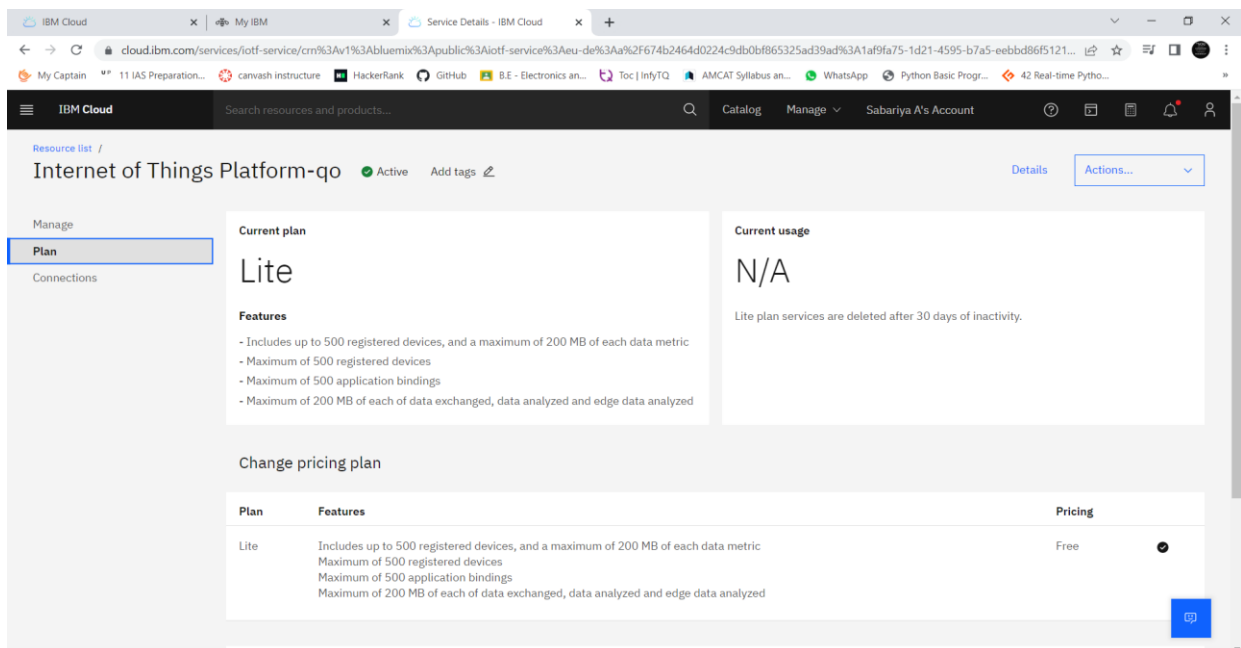
Login into cloud account



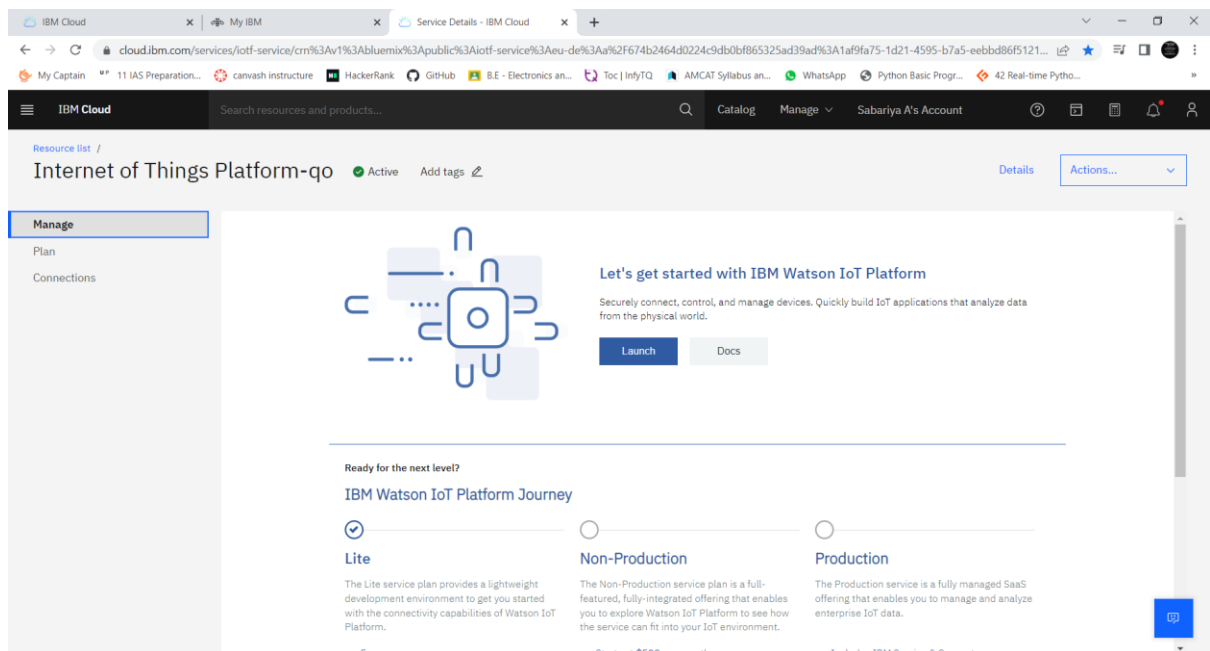
Dashboard of cloud after login :



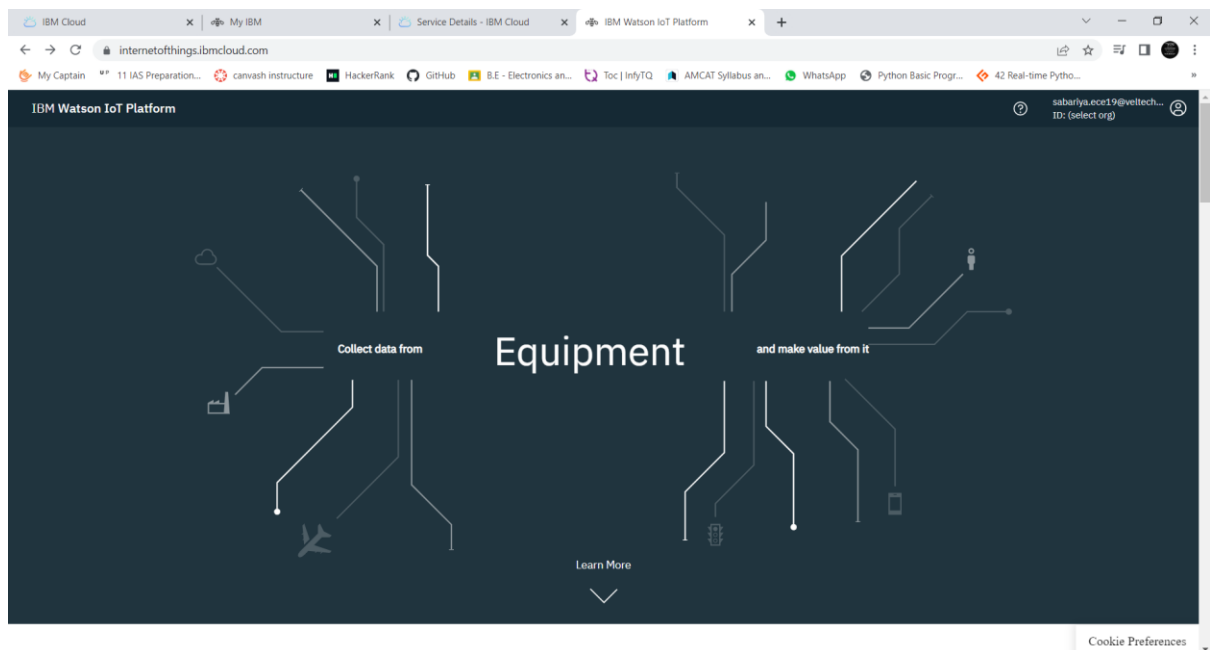
Search IOT Platform in Cloud :



Opening the Internet of things Platform and then launching it :



After launch it redirects to this page then sign in to this page :



Adding of new device :

IBM Watson IoT Platform

gebe1.internetofthings.ibmcloud.com/dashboard/devices/browse/add

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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

Device ID

Cancel Next

Browse Devices

1 Simulation running

After adding the device note down the device id, device type, device api :

IBM Watson IoT Platform

gebe1.internetofthings.ibmcloud.com/dashboard/devices/browse

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Device Simulator ☒ ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	1234567	Disconnected	NodeMCU1	Device	Nov 16, 2022 10:34 AM	

Items per page 50 | 1-1 of 1 item

1 of 1 page < 1 >

1 Simulation running

IBM Watson IoT Platform

gebbe1.internetofthings.ibmcloud.com/dashboard/devices/browse

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Device Simulator ☒

Search by Device ID

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1234567	Disconnected	NodeMCU1	Device	Nov 16, 2022 10:34 AM	

Items per page 50 | 1-1 of 1 item

1 Simulation running

Linking the team members in Iot Watson platform :

IBM Watson IoT Platform

gebbe1.internetofthings.ibmcloud.com/dashboard/members/browse

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IBM Watson IoT Platform

1 Simulation running

Writing the code and creating a simulation :

The screenshot shows the IBM Watson IoT Platform interface. The main page is titled 'Browse Devices' and displays a table of devices. A modal window titled 'Simulations' is open, showing '1/50 Simulations Running' and a 'New Simulation' button. The modal also displays a list of devices, including '1234567', and buttons for 'Create Simulated Device' and 'Use Registered Device'. The background table lists the following device information:

Device ID	Status	Device Type	Class ID	Date
1234567	Disconnected	NodeMCU1	Device	Nov 16, 2022 10:34 AM

The modal also shows a summary of events: '85 events sent' and '3.77 KB sent'.

Creating a new boards -Temperature and then creating a line chart ,Donut chart ,Gauge :

The screenshot shows the 'Your boards' page in the IBM Watson IoT Platform. It displays three boards: 'TEMPERATURE' (3 Cards), 'USAGE OVERVIEW' (3 Cards), and 'RISK AND SECURITY OVERVIEW' (4 Cards). A 'Create New Board' button is visible in the top right. The page also shows a 'Boards shared with you' section. A notification at the bottom indicates '1 Simulation running'.

