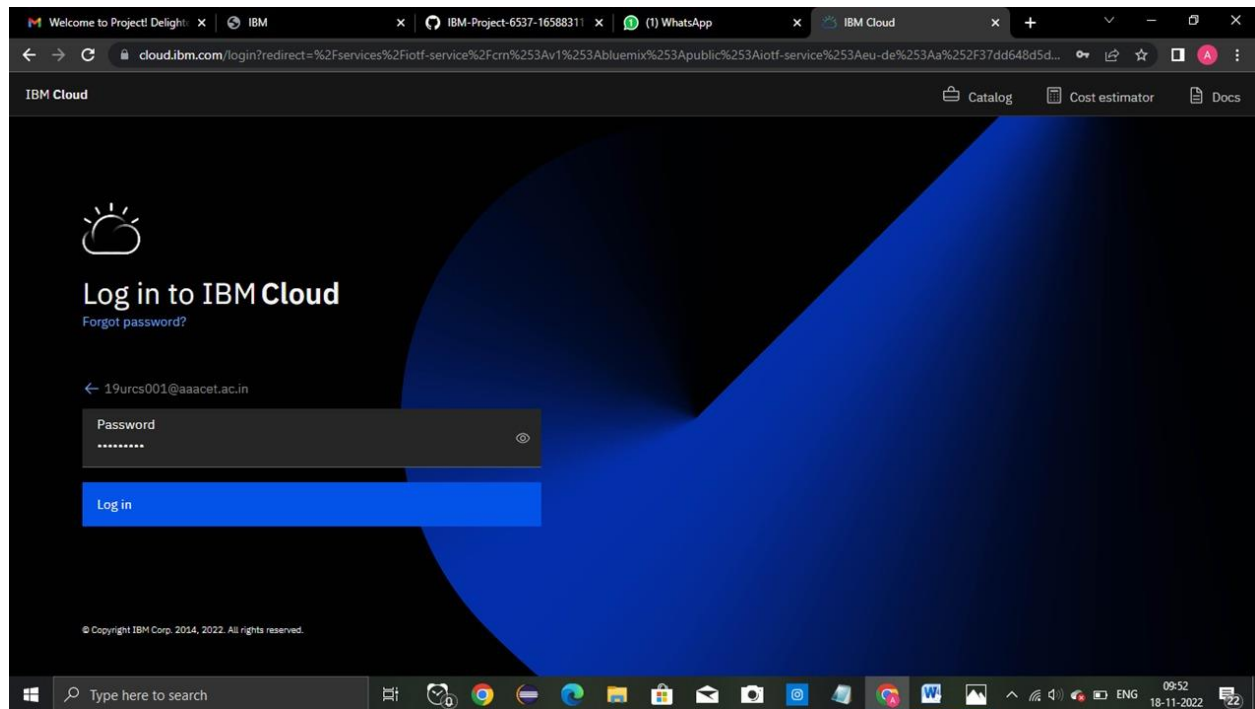


CREATE IBM WASTON IOT PLATFORM

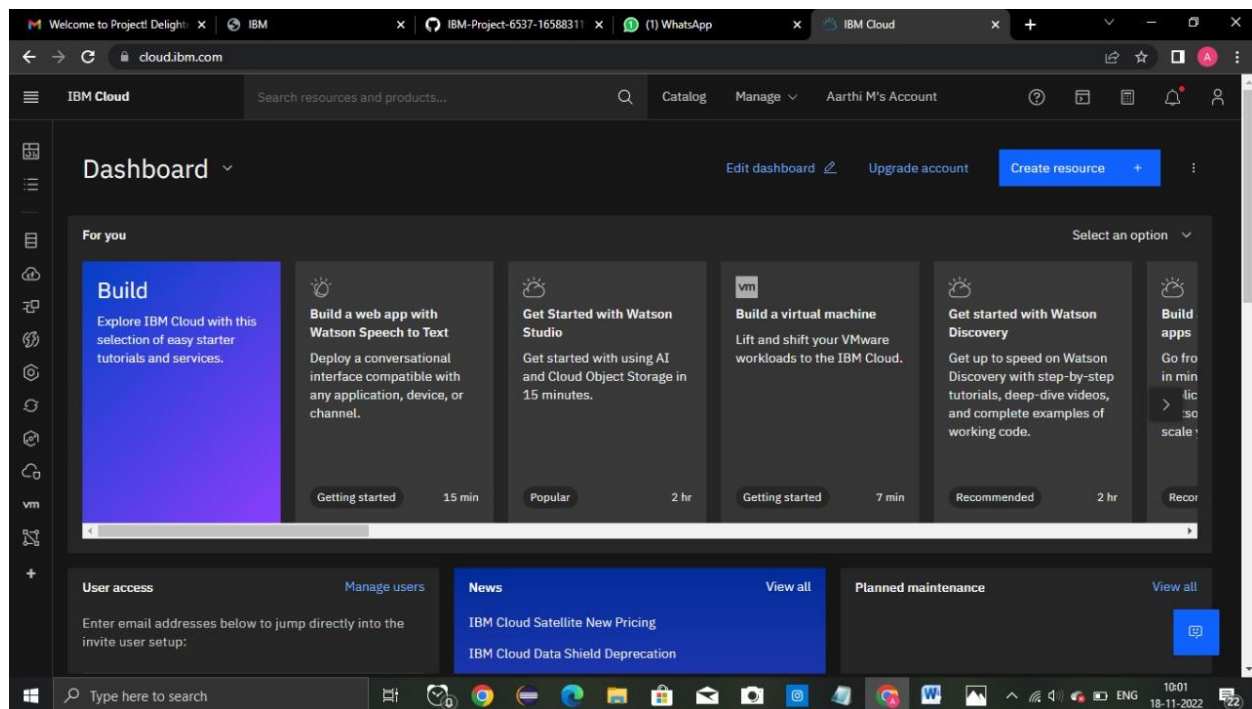
AND DEVICE

<u>TEAM ID</u>	<u>PNT2022TMID51132</u>
<u>PROJECT NAME</u>	<u>IOT BASED SMART CROP SYSTEM FOR</u> <u>AGRICULTURE</u>
<u>TEAM MEMBERS</u>	<u>Aarthi,Backiyalakshmi,Jayashree,Nivenithaasri</u>

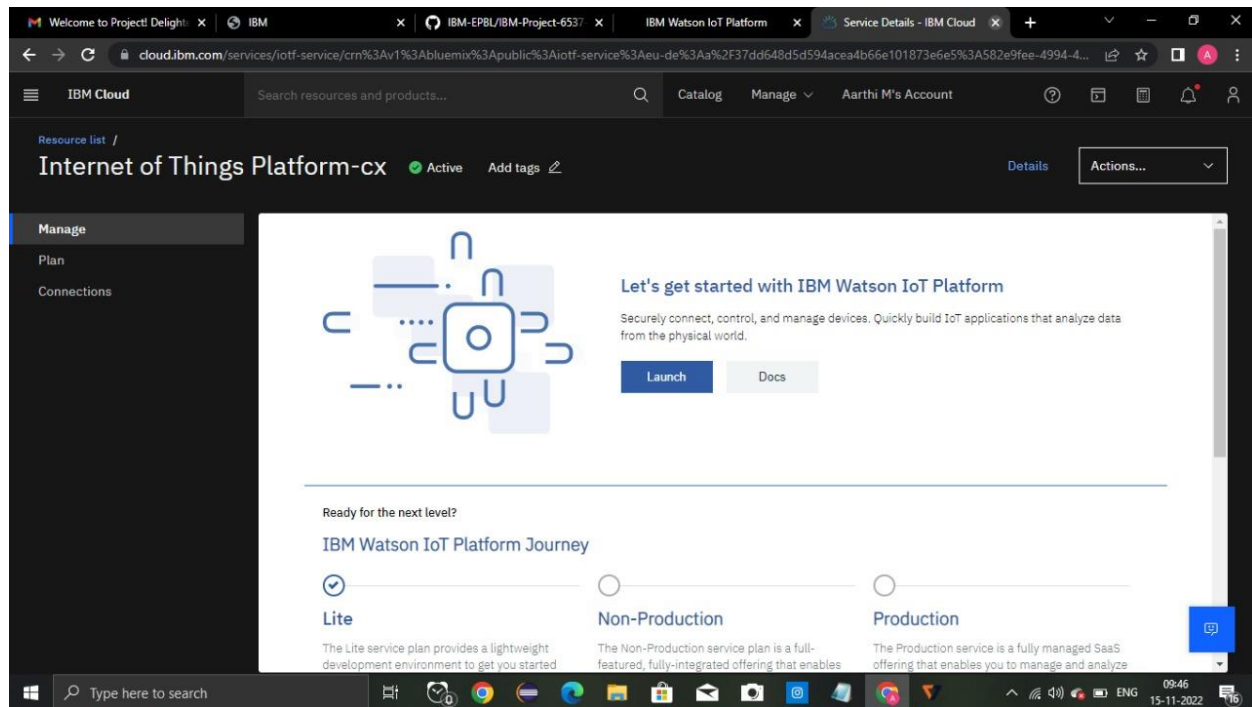
STEP1: Sign in to IBM cloud account



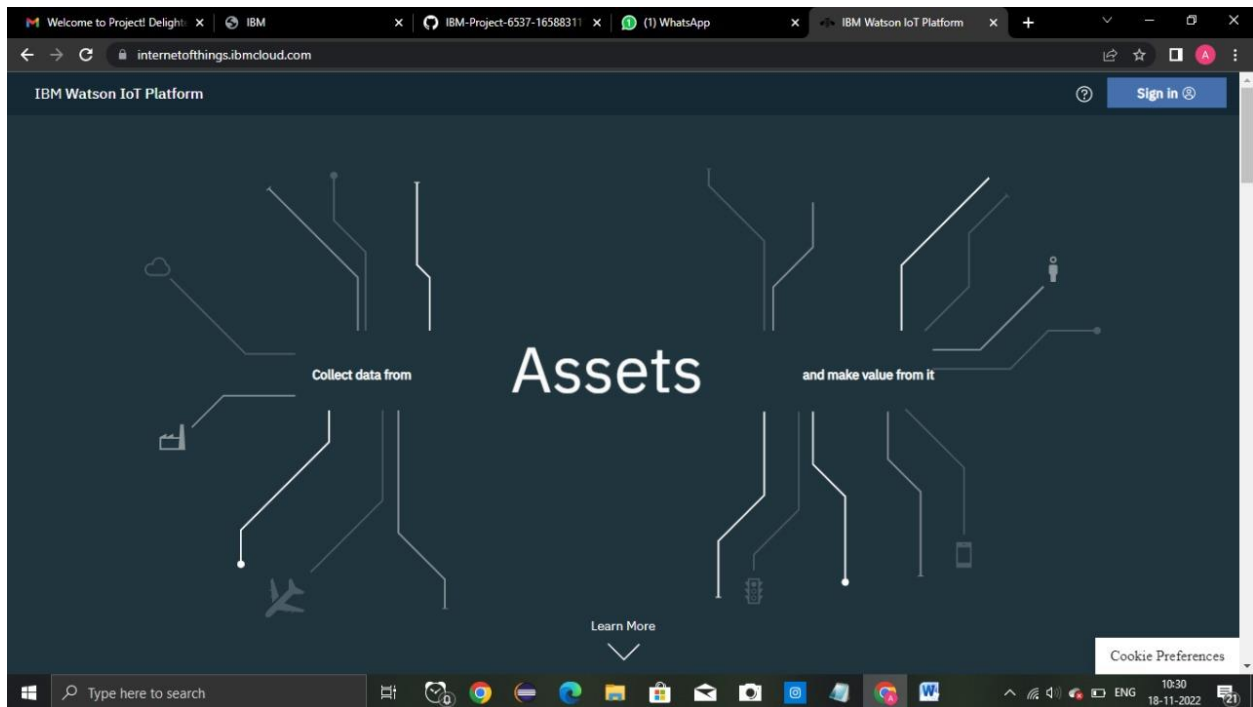
STEP2: After signing in you will be prompted to IBM cloud.



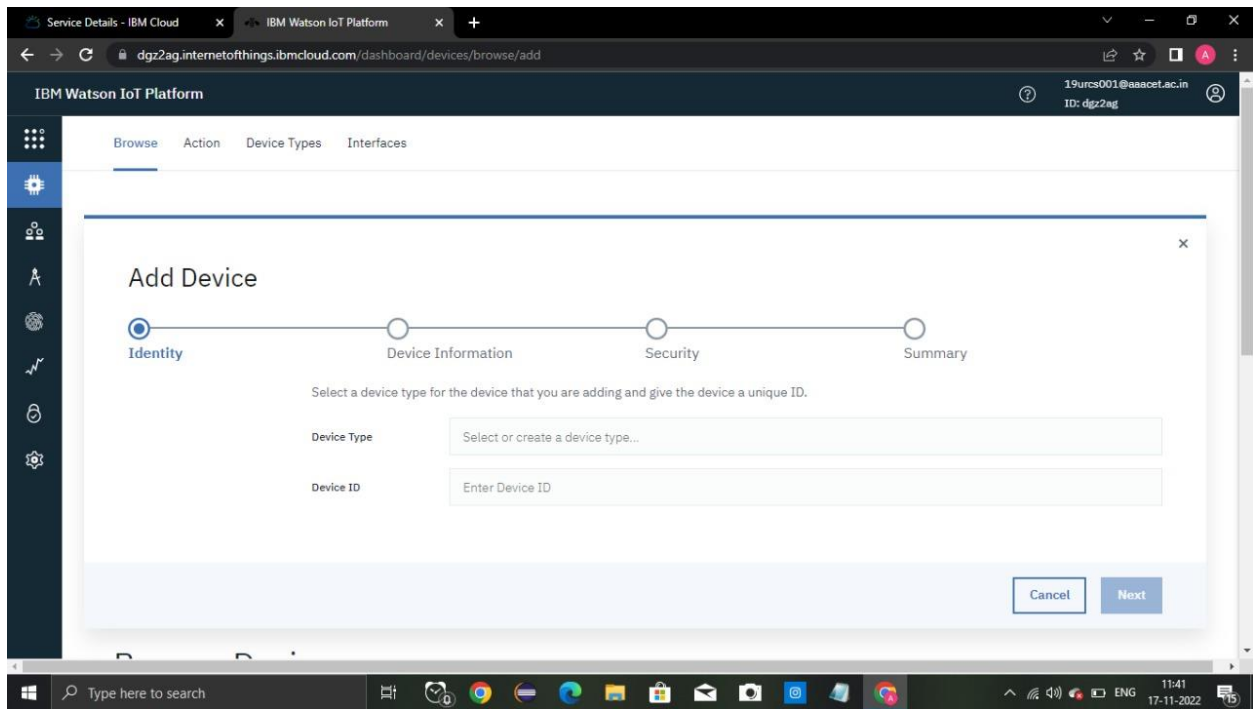
STEP 3: Then in category section search for IoT platform, and register it with IBM cloud account.



STEP4: Then it will be prompted to IBM Watson IOT platform, this cloud helps to manipulate data randomly.



STEP5: Then create a device as a device simulator then register your device for the device simulation.



STEP6: Then enter the commands that need to be generated in node-red.

Service Details - IBM Cloud x IBM Watson IoT Platform x +

dgz2ag.internetofthings.ibmcloud.com/dashboard/devices/drilldown/Nodemcu:199786?returnTo=/devices/browse

19urcs001@aaacet.ac.in
ID: dgz2ag

Device Drilldown - 199786

← Back

- Device Credentials
- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	dgz2ag
Device Type	Nodemcu
Device ID	199786
Authentication Method	use-token-auth
Authentication Token	GSob?IpooHHP* & pw@R

! Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device](#)

Type here to search

12:13
17-11-2022

STEP7: Then input the required commands and conditions That need to be displayed in node-red.

Node-RED interface showing the User Settings dialog for installing IoT Application Node-RED nodes.

Browser Tabs: Obtain an IBM Cloud Feature Co..., Service Details - IBM Cloud, IBM Watson IoT Platform, Node-RED

Address Bar: 127.0.0.1:1880/#flow/6d42c769f1a69d2f

Node-RED Interface:

- Left Panel (Nodes):** Filter nodes, common (inject, debug, complete, catch, status, link in, link call, link out, comment), function (function, switch, change).
- Center Canvas:** Flow 1 workspace.
- User Settings Dialog:**
 - View:** Nodes, Install
 - Search:** ibmiot (3/411)
 - Results:**
 - node-red-contrib-scx-ibmiotapp**: IoT Application Node-RED node for the Registered and Quickstart flows in IBM Watson IoT Platform. Version 0.0.49, 5 years, 1 month ago. **Installed**
 - node-red-yanfaz-iot**: IoT Application Node-RED node for the Registered and Quickstart flows in IBM Watson IoT Platform. Version 0.0.51, 6 years, 4 months ago. **Install**
 - node-red-contrib-mobius-flow-cloud-connectors**: Node-RED nodes for MobiusFlow cloud connectors. Version 1.4.1, 2 years, 11 months ago. **Install**
- Right Panel (Info):** info, Search flows, Flows (Flow 1), Subflows, Global Configuration Nodes.

Bottom Bar: 29°C Rain to stop, Search, Windows taskbar icons, ENG IN, 14:51, 14-11-2022.