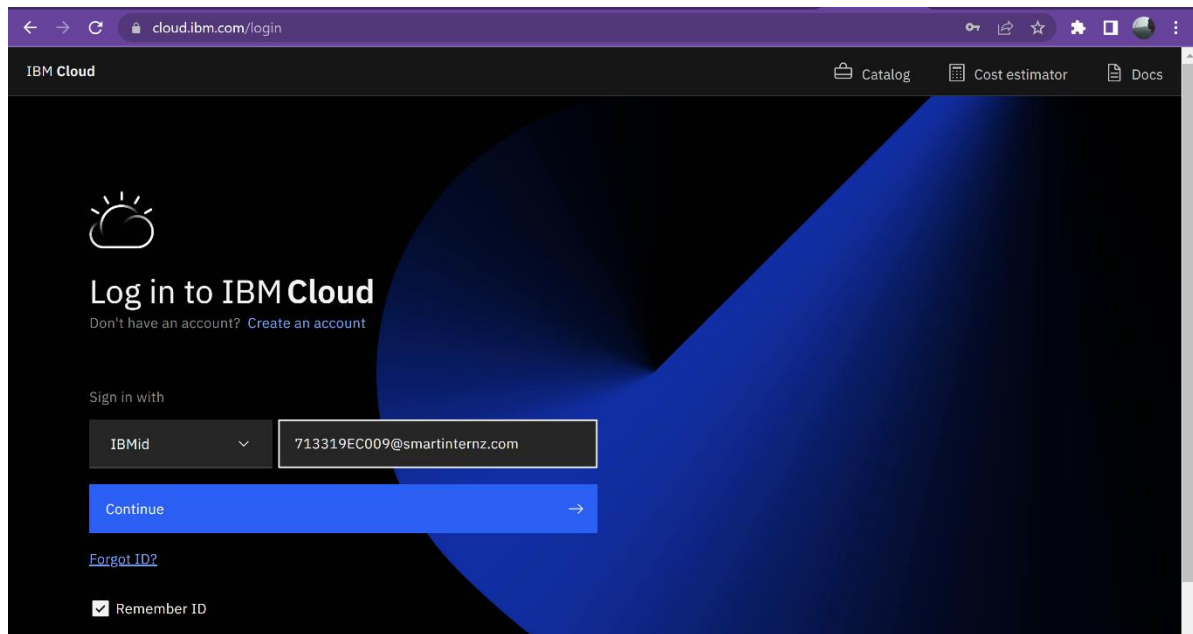


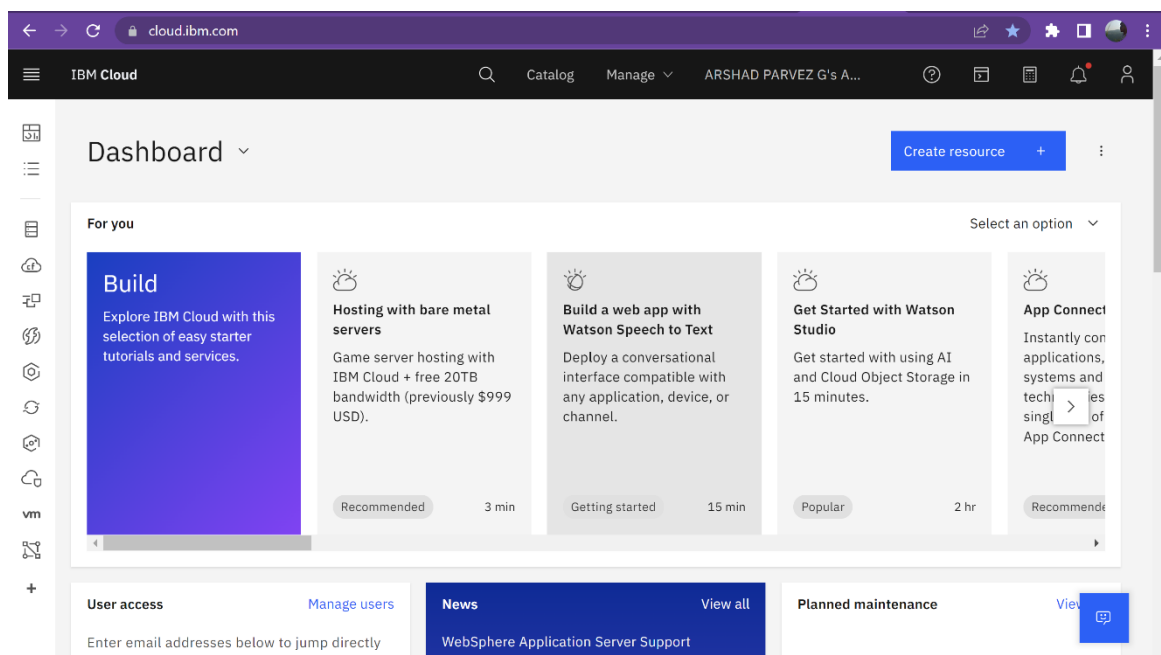
| | |
|---------------|--|
| Date | 7 September 2022 |
| Team ID | PNT2022TMID17561 |
| Project Name | IOT Based Smart Crop Protection System for Agriculture |
| Maximum Marks | 4 Marks |

STEPS:

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



2. Home page of IBM cloud



3. Click on the catalog on the top.

4. Click on the IOT in the category mentioned.

The screenshot shows the IBM Cloud 'Create' page for the Internet of Things Platform. The page is titled 'Internet of Things Platform' and includes a description: '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.' The 'Create' button is highlighted. The form includes a 'Select a location' dropdown set to 'Frankfurt (eu-de)' and a 'Select a pricing plan' section. A table lists the available plans:

| Plan | Features | Pricing |
|------|--|---------|
| Lite | Includes up to 500 registered devices, and a maximum of 200 MB of each data metric | Free |

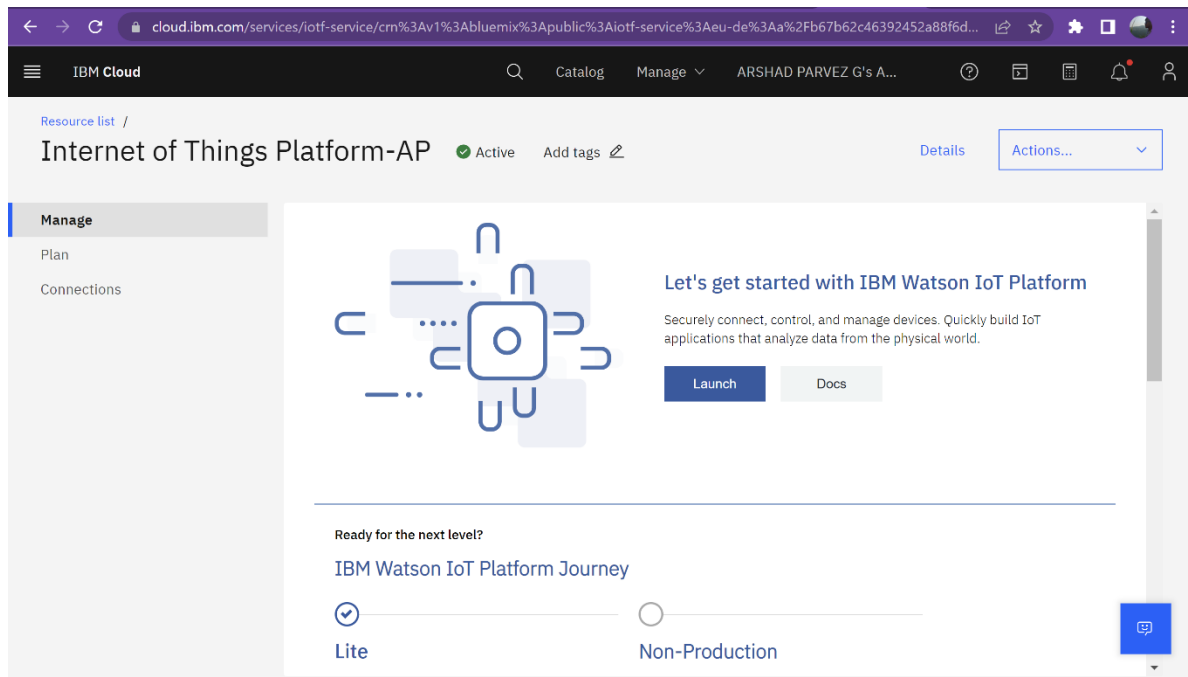
The summary panel on the right shows the instance details: 'Internet of Things Platform', 'Free', 'Location: Frankfurt', 'Plan: Lite', 'Service name: Internet of Things Platform-oh', and 'Resource group: Default'. A warning message states: 'Existing Lite plan instance. You can have only 1 Lite plan instance of this service per resource group. Delete your current Lite plan instance in Default resource group to create a new one, or view the existing instance.' A checkbox for 'I have read and agree to the following license agreements:' is checked.

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

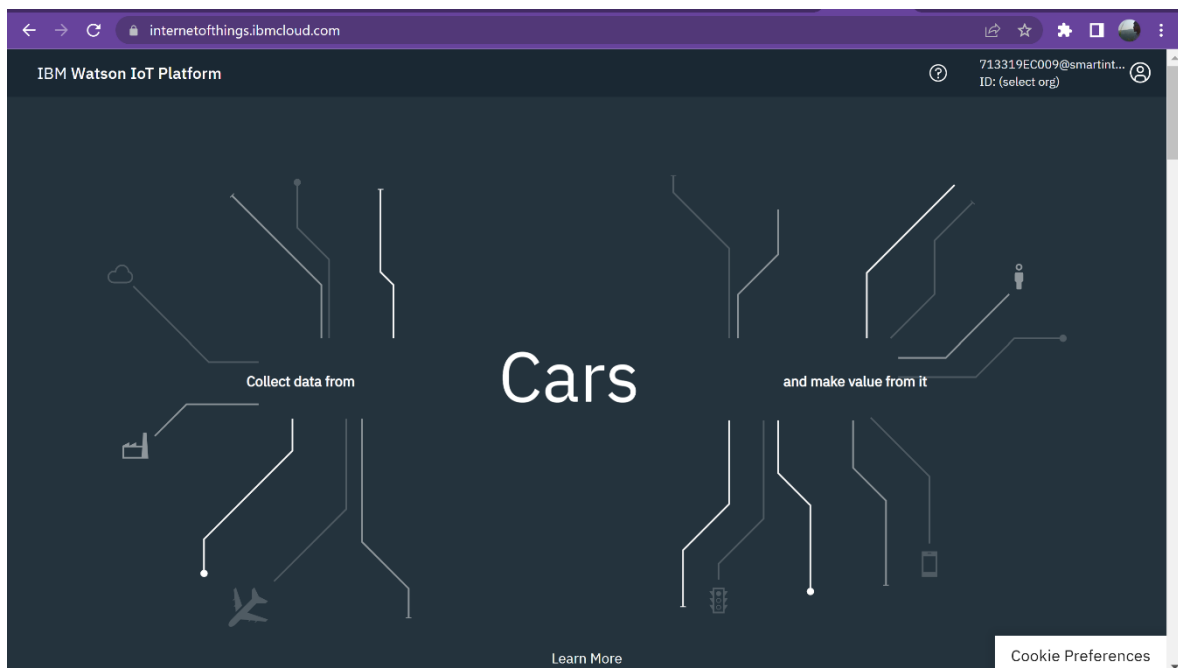
This screenshot is identical to the previous one, showing the IBM Cloud 'Create' page for the Internet of Things Platform. It highlights the warning message in the summary panel: 'Existing Lite plan instance. You can have only 1 Lite plan instance of this service per resource group. Delete your current Lite plan instance in Default resource group to create a new one, or view the existing instance.'

6. Enter the location and in the configure your resources type the servicename and choose the plan, tick the agree with it agreements and then click on create.

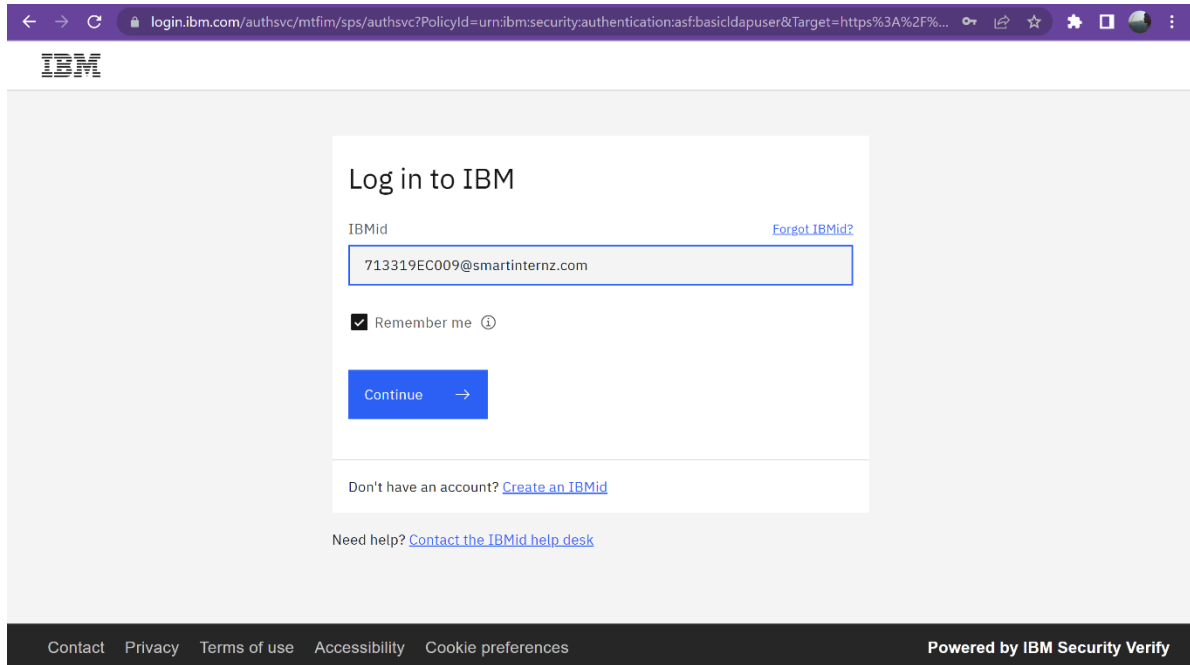
7. Internet of things platform smart crop protection will be created, where there are different options like manage, plan, and connection.



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



9. Enter the details to sign in to the Watson cloud to create a device.



The screenshot shows a web browser window with the URL `login.ibm.com/authsvc/mtfim/sps/authsvc?PolicyId=urn:ibm:security:authentication:asf:basicdapuser&Target=https%3A%2F%...`. The IBM logo is at the top left. The main content area is titled "Log in to IBM". Below the title, there is a label "IBMid" and a link "Forgot IBMId?". A text input field contains the email address "713319EC009@smartinternz.com". Below the input field is a checkbox labeled "Remember me" with an information icon. A blue "Continue" button with a right arrow is positioned below the checkbox. At the bottom of the login form, there is a link "Don't have an account? Create an IBMId". Below the login form, there is a link "Need help? Contact the IBMId help desk". The footer of the page contains links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Cookie preferences", followed by the text "Powered by IBM Security Verify".

Log in to IBM

IBMid [Forgot IBMId?](#)

713319EC009@smartinternz.com

☒ Remember me ⓘ

Continue →

Don't have an account? [Create an IBMId](#)

Need help? [Contact the IBMId help desk](#)

Contact Privacy Terms of use Accessibility Cookie preferences

Powered by IBM Security Verify

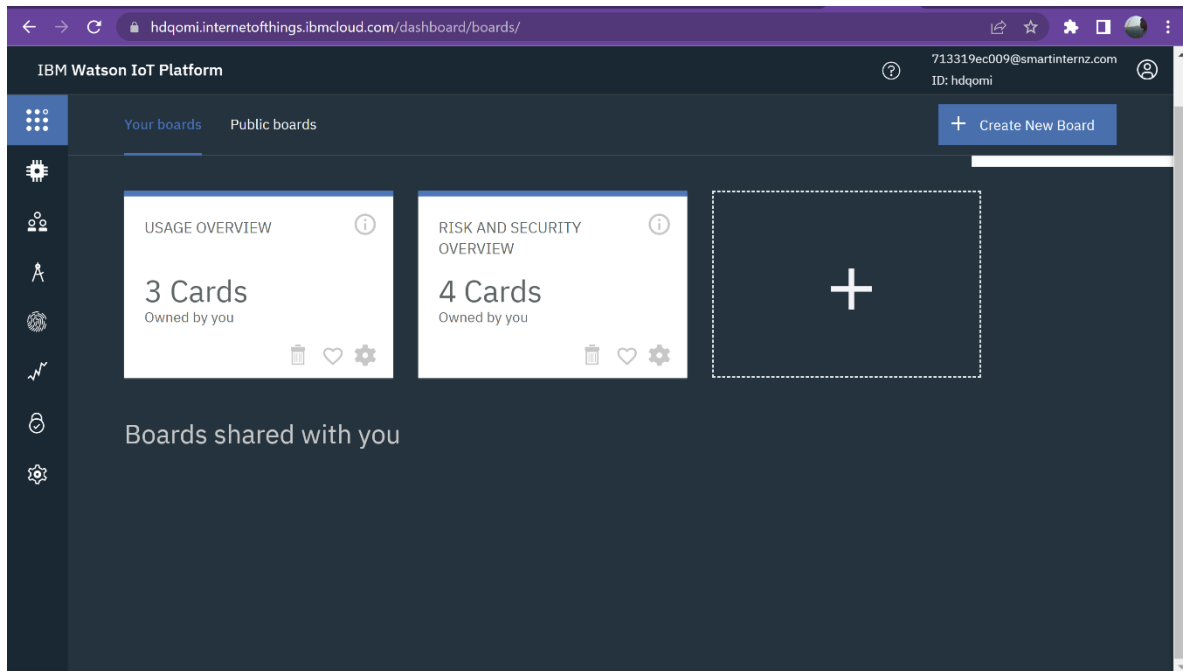
10. Once logged in the name will be displayed and it goes back to the firstpage.
 11. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.
 12. The member tab is add the teams members to work in the platform
 13. Click on the device tab and click on the add device button, then give the device type and device id and click next.
 14. Clicking next it goes to the security where we do authentication token ID.
 15. Clicking on the next it goes to the summary of the device then click finish.
 16. The device credentials will be displayed with all details.
 17. Clicking on the device tab we can now see the added device. Clicking on it will display the order the other details.
- It has different the like identity, device information, state and login.

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area displays a table of devices with columns: Device ID, Status, Device Type, and Class ID. A device with ID 123456 and status 'Disconnected' is highlighted. Below the table, a detailed view of the selected device is shown, including its identity, device information, recent events, state, and logs.

| Device ID | Status | Device Type | Class ID |
|-----------|--------------|-------------|----------|
| 123456 | Disconnected | NodeMCU | Device |

| Identity | Device Information | Recent Events | State | Logs |
|-------------------|------------------------------|---------------|-------|------|
| Device ID | 123456 | | | |
| Device Type | NodeMCU | | | |
| Date Added | Nov 12, 2022 4:06 PM | | | |
| Added By | 713319ec009@smartinternz.com | | | |
| Connection Status | Disconnected | | | |

18. The Boards will display card for the project.



RESULT:

An IBM Watson cloud for IOT and device is created.

TEAM ID : PNT2022TMID17561

TEAM LEADER : Arshad Parvez G

TEAM MEMBER 1 : Lavanya

TEAM MEMBER 2 : Kishore Kumar

TEAM MEMBER 3 : Mathuprakas

TEAM SIZE : 4

