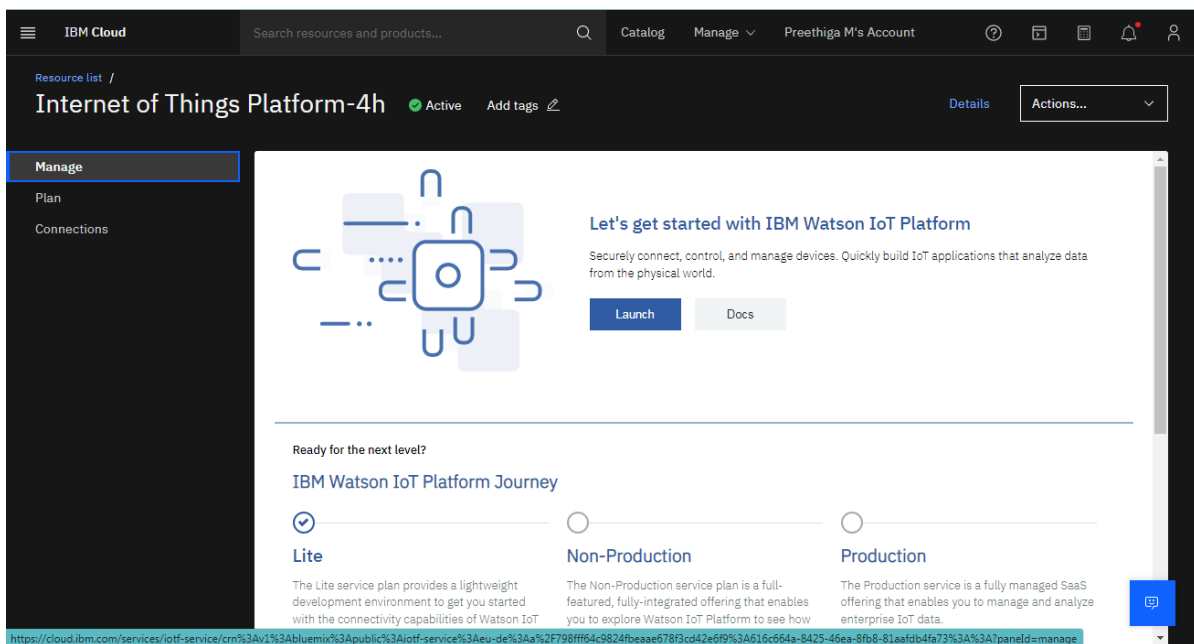
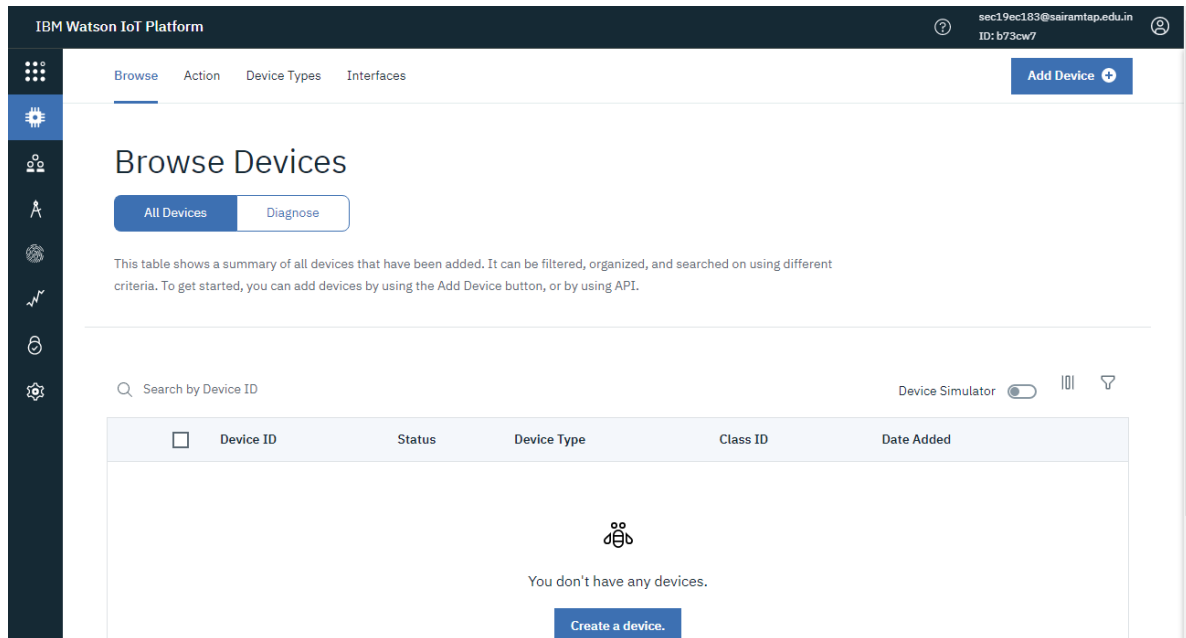


Date	24 October 2022
Team ID	PNT2022TMID04073
Project Name	Project - IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

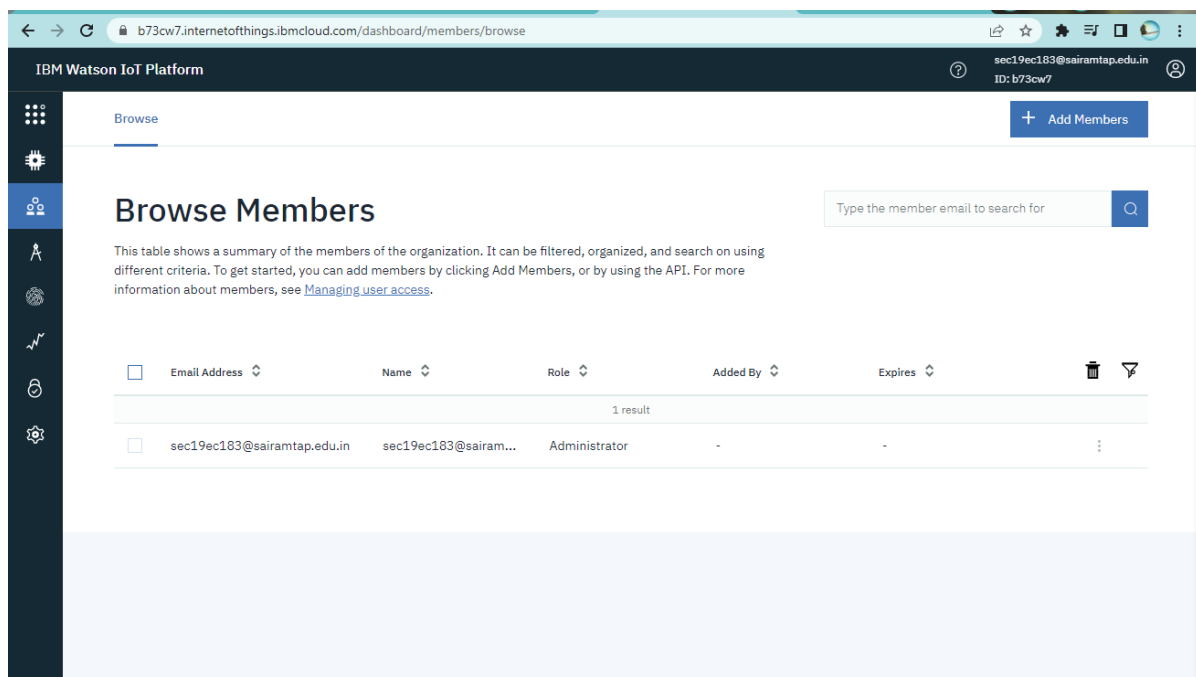
**1. Internet of Things Platform Child\_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)**



**2. 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**



### 3.The member tab is add the teams members to work in the platform



4. This tab is used when you want to connect to some other platform and to integrate with other services.

The screenshot shows the 'Add Device' dialog box in the IBM Watson IoT Platform. The dialog has a progress bar with four steps: Identity (selected), Device Information, Security, and Summary. Below the progress bar, it says 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with the value 'NodeMCU' and 'Device ID' with the value '12345'. At the bottom right, there are 'Cancel' and 'Next' buttons. The background shows the 'Browse Devices' page.

5. This page to enter extra details and of the hardware

The screenshot shows the 'Add Device' dialog box in the IBM Watson IoT Platform, now at the 'Device Information' step. The progress bar shows 'Identity' as completed and 'Device Information' as the current step. Below the progress bar, it says 'You can modify the default device information and enter more information about the device for identification purposes.' There are two columns of input fields. The left column contains: 'Serial Number' (Enter Serial Number), 'Model' (Enter Model), 'Description' (Enter Description), and 'Hardware Version' (Enter Hardware Version). The right column contains: 'Manufacturer' (Enter Manufacturer), 'Device Class' (Enter Device Class), 'Firmware Version' (Enter Firmware Version), and 'Descriptive Location' (Enter Descriptive Location). At the bottom left, there is an 'Add Metadata' button with a plus icon. At the bottom right, there are 'Back' and 'Next' buttons. The background shows the 'Browse Devices' page.

## 6. Clicking on next it goes to the summary of the device then click finish

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The user is at the 'Security' step, which is highlighted with a blue circle. The previous steps, 'Identity' and 'Device Information', are marked with checkmarks. The 'Summary' step is shown as a circle without a checkmark. The page title is 'IBM Watson IoT Platform'. The user's email is 'sec19ec183@sairamtap.edu.in' and the device ID is 'b73cw7'. The 'Security' step contains two options for selecting a device authentication token: 'Auto-generated authentication token (default)' and 'Self-provided authentication token'. The 'Auto-generated authentication token' option is selected, and a text box shows the generated token '12345678'. Below the text box, there is a warning: 'Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.' and a note: 'Authentication token are encrypted before we store them.' At the bottom right, there are 'Back' and 'Next' buttons.

IBM Watson IoT Platform

sec19ec183@sairamtap.edu.in  
ID: b73cw7

Browse Action Device Types Interfaces

Identity Device Information Security Summary

There are two options for selecting a device authentication token.

**Auto-generated authentication token (default)**

Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.

**Self-provided authentication token**

Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

Authentication Token 12345678

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication token are encrypted before we store them.

Back Next

## 7. The device credentials will be displayed with all the details

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The user is at the 'Summary' step, which is highlighted with a blue circle. The previous steps, 'Identity', 'Device Information', and 'Security', are marked with checkmarks. The page title is 'IBM Watson IoT Platform'. The user's email is 'sec19ec183@sairamtap.edu.in' and the device ID is 'b73cw7'. The 'Summary' step contains a message: 'Verify that the following information is correct then select Finish'. Below the message, the device details are listed: 'Device Type: NodeMCU', 'Device ID: 12345', and 'Security Token: 12345678'. There is a 'View Metadata' button next to the 'Device ID'. At the bottom right, there are 'Back' and 'Finish' buttons.

IBM Watson IoT Platform

sec19ec183@sairamtap.edu.in  
ID: b73cw7

Browse Action Device Types Interfaces

Identity Device Information Security Summary

Add Device

Verify that the following information is correct then select Finish

Device Type  
NodeMCU

Device ID  
12345

View Metadata

Security Token  
12345678

Back Finish

**8. Clicking on the device tab we can now see the added device. Clicking on it will display the other details. It has different tabs 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 search bar is present with the text 'Search by Device ID'. A table lists devices with columns: Device ID, Status, Device Type, Class ID, and Date Added. One device is listed with ID 12345, Status Disconnected, and Device Type NodeMCU. Below the table, a modal window displays details for the selected device under the 'Identity' tab. The details include: Device ID (12345), Device Type (NodeMCU), Date Added (Nov 8, 2022 9:46 PM), Added By (sec19ec183@sairamtap.edu.in), and Connection Status (Disconnected). The bottom of the modal shows 'Items per page 50' and '1 of 1 page'.

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	NodeMCU	Device	Nov 8, 2022 9:46 PM

**Identity** | Device Information | Recent Events | State | Logs

Device ID: 12345

Device Type: NodeMCU

Date Added: Nov 8, 2022 9:46 PM

Added By: sec19ec183@sairamtap.edu.in

Connection Status: Disconnected

Items per page 50 | 1-1 of 1 item | 1 of 1 page

**9. The Boards will display card for the project**

The screenshot shows the IBM Watson IoT Platform dashboard for project boards. The top navigation bar includes 'Your boards' and 'Public boards'. A 'Create New Board' button is visible. The main area displays two boards: 'RISK AND SECURITY OVERVIEW' with 4 cards and 'USAGE OVERVIEW' with 3 cards. Both boards are owned by the user. A third board is shown as a dashed box with a plus sign, indicating it can be added. Below the boards, a section titled 'Boards shared with you' is visible.

**RISK AND SECURITY OVERVIEW**  
4 Cards  
Owned by you

**USAGE OVERVIEW**  
3 Cards  
Owned by you

+ (Add Board)

Boards shared with you