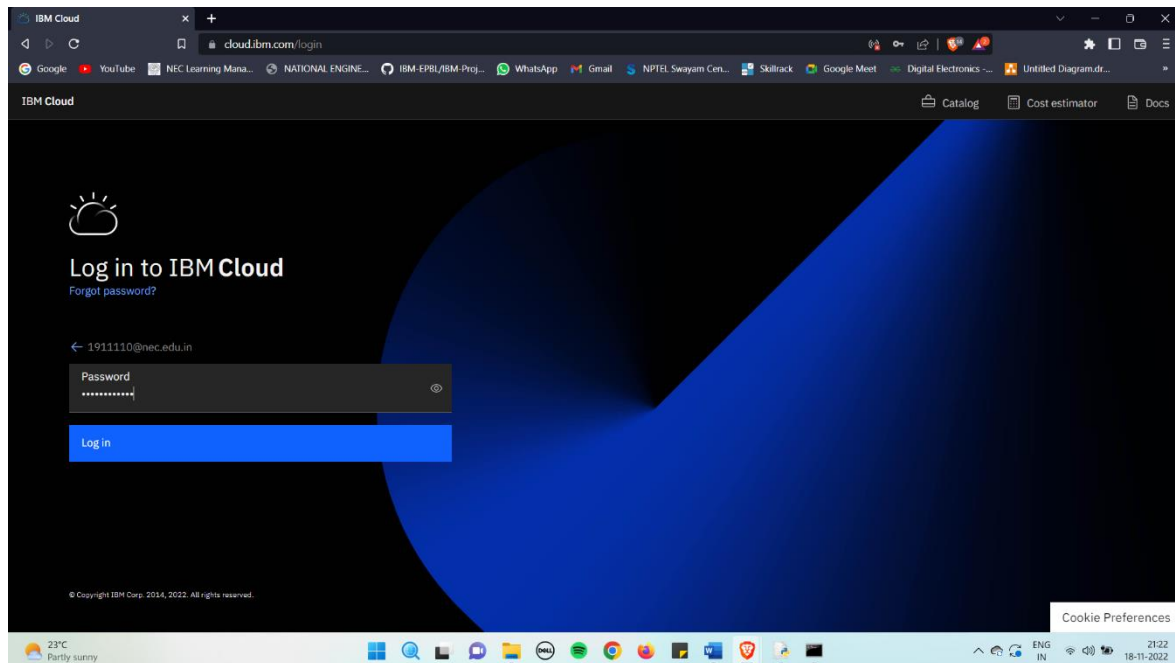


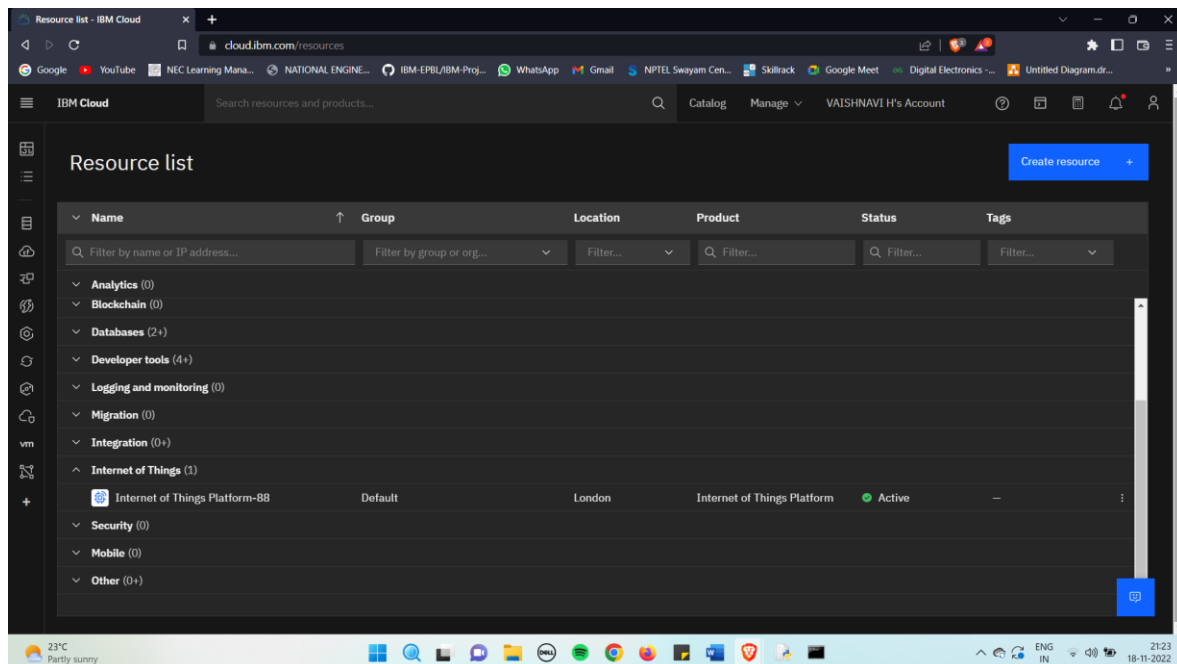
# SPRINT – 1

<b>Date</b>	2 November 2022
<b>Team ID</b>	PNT2022TMID20530
<b>Project Name</b>	Project - Smart waste management system for metropolitan cities
<b>Story points</b>	20

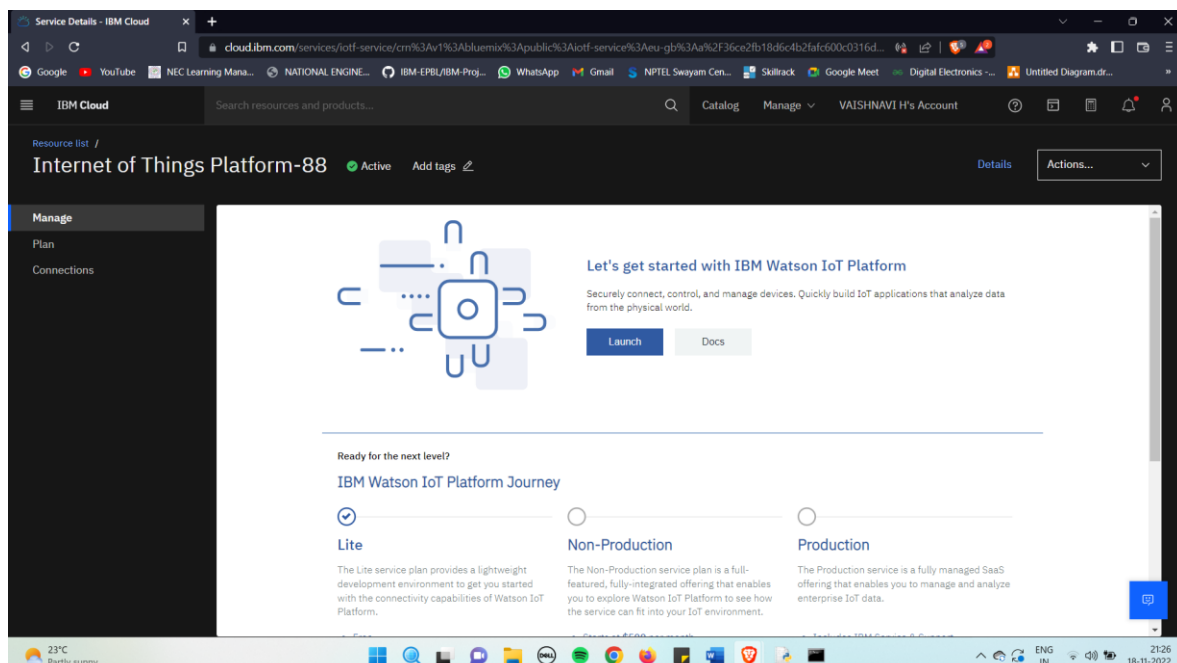
## Step-1: Login to the IBM Cloud Account



## Step 2: Using IBM CLOUD services for the Project



## Step – 3: Configure the IBM Watson IoT platform



## Step – 4: IBM Watson IOT platform is created

Service Details - IBM Cloud

IBM Watson IoT Platform

evd8ss.internetofthings.ibmcloud.com/dashboard/devices/browse

1911110@nec.edu.in  
ID: evd8ss

Browse Action Device Types Interfaces

Add Device +

### Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	<input type="checkbox"/> 1234	Disconnected	abcd	Device	Nov 18, 2022 3:31 PM	
>	<input type="checkbox"/> 1234	Disconnected	raspberrypi	Device	Nov 18, 2022 9:28 PM	

Items per page 50 | 1-2 of 2 items

1 of 1 page

0 Simulations running

23°C Partly sunny

## Step – 5: Connect the IoT device to the IBM cloud, create a device in the IBM Watson IOT Platform and get the device credentials

Service Details - IBM Cloud

IBM Watson IoT Platform

evd8ss.internetofthings.ibmcloud.com/dashboard/devices/browse

1911110@nec.edu.in  
ID: evd8ss

Browse Action Device Types Interfaces

Add Device +

Search by Device ID

Device Simulator ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	<input type="checkbox"/> 1234	Disconnected	abcd	Device	Nov 18, 2022 3:31 PM	
▼	<input checked="" type="checkbox"/> 1234	Disconnected	raspberrypi	Device	Nov 18, 2022 9:28 PM	

Items per page 50 | 1-2 of 2 items

1 of 1 page

0 Simulations running

23°C Partly sunny

Identity Device Information Recent Events State Logs

Device ID 1234

Device Type raspberrypi

Date Added Nov 18, 2022 9:28 PM

Added By 1911110@nec.edu.in

Connection Status Disconnected

Step – 6: Connect the device with the IoT device and start simulating.

The screenshot shows the IBM Watson IoT Platform interface. On the left, a sidebar contains navigation icons. The main area displays a table of devices. The device with ID 1234 is highlighted, showing details in a sidebar: Device ID 1234, Device Type raspberrypi, Date Added Nov 18, 2022 9:28 PM, Added By 1911110@nec.edu.in, and Connection Status Disconnected. A 'Simulations' panel is open on the right, showing '1/50 Simulations Running' and a '+ New Simulation' button. Below this, it lists 'Device Type raspberrypi' with '1 Event' and a toggle switch. A '1 Device' section shows 'S raspberrypi\_1' with buttons for '1 x Create Simulated Device' and 'Use Registered Device'. At the bottom of the panel, it indicates '3 events sent' and '74 bytes sent'.

Device ID	Status	Device Type	Class ID	Date
1234	Disconnected	abcd	Device	Nov 18, 2022 9:28 PM
1234	Disconnected	raspberrypi	Device	Nov 18, 2022 9:28 PM

Items per page 50 | 1-2 of 2 items

This screenshot shows the same IBM Watson IoT Platform interface as the previous one, but the 'Simulations' panel now displays '6 events sent' and '148 bytes sent'. The panel includes filters for 'Device Type', 'Device ID', and 'Event Type'. A list of events is shown, each with a timestamp and a random number value. The events are: event\_1, raspberrypi, raspberrypi\_1, x 6. The events are: ("randomNumber":4), ("randomNumber":73), ("randomNumber":52), ("randomNumber":87), ("randomNumber":26), ("randomNumber":6).

Device ID	Status	Device Type	Class ID	Date
1234	Disconnected	abcd	Device	Nov 18, 2022 9:28 PM
1234	Disconnected	raspberrypi	Device	Nov 18, 2022 9:28 PM

Items per page 50 | 1-2 of 2 items