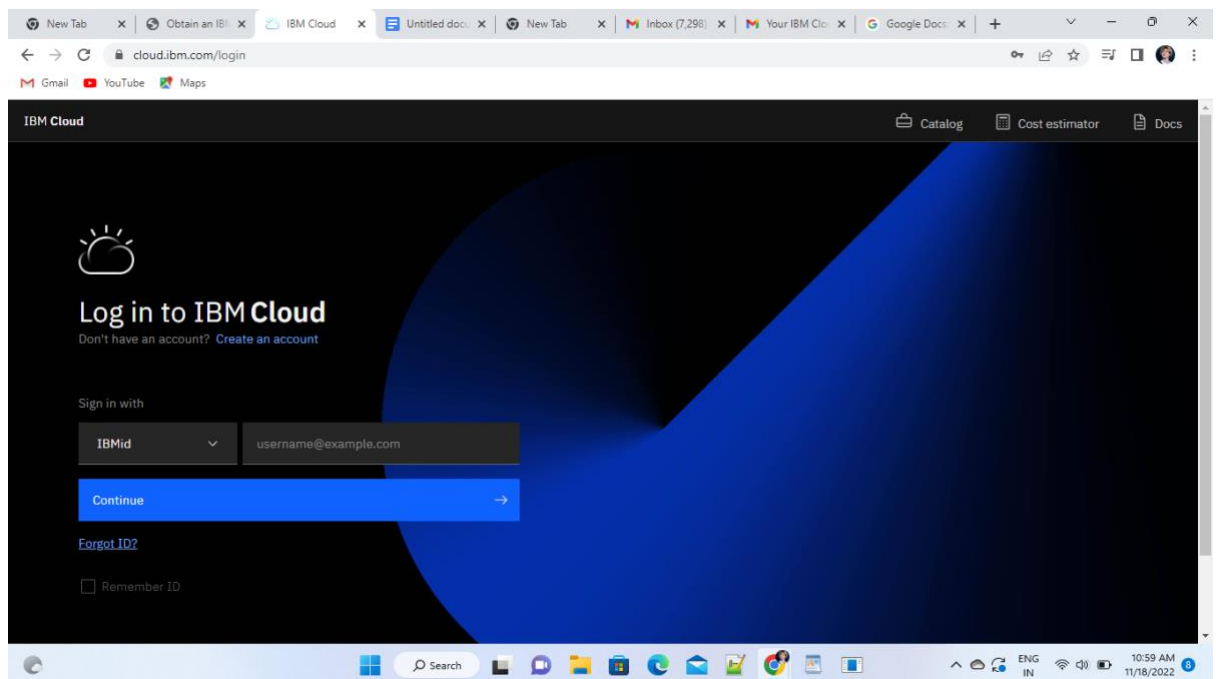


CREATE IBM WATSON IOT PLATFORM AND DEVICE

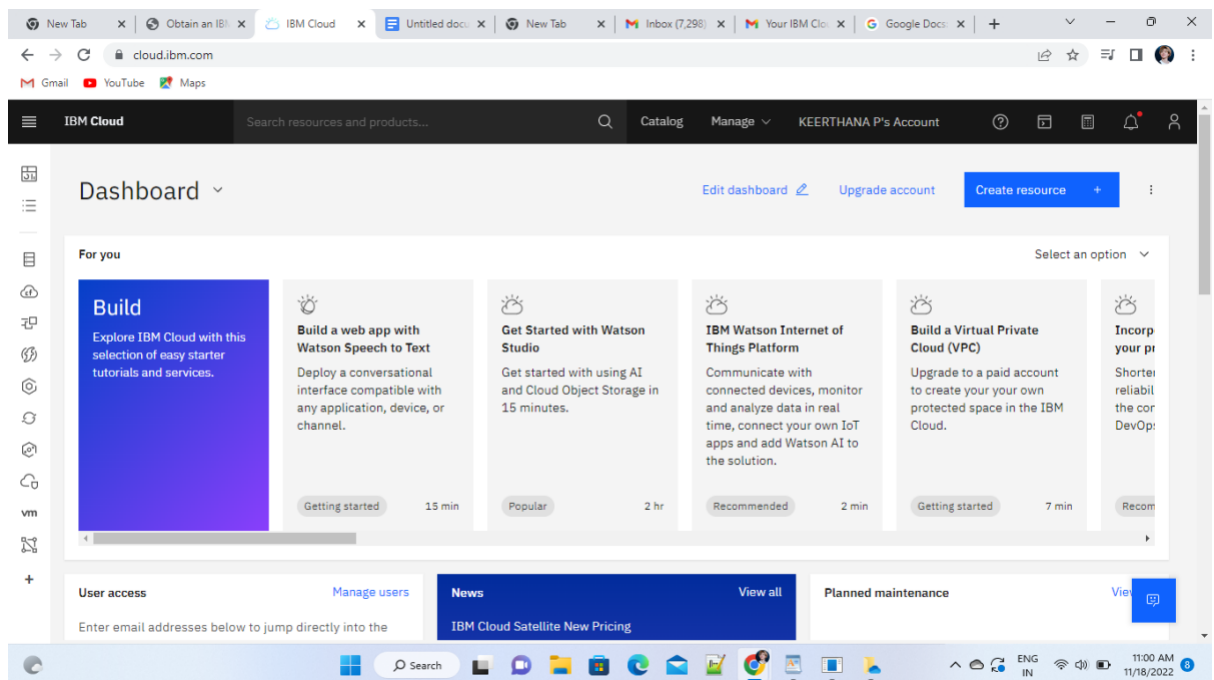
TEAM ID	PNT2022TMID16047
PROJECT NAME	Hazardous area monitoring for industrial plant powered by IOT
MAXIMUM MARKS	4

STEPS:

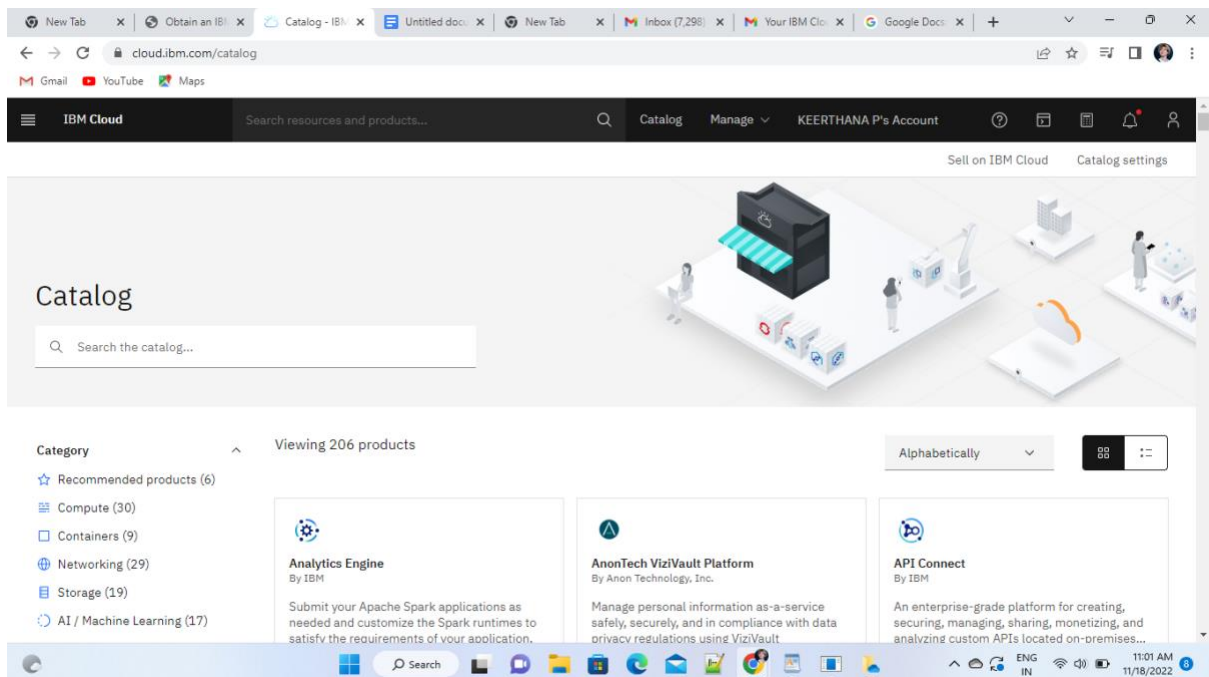
1. Create an IBM Cloud account and login to the respective account



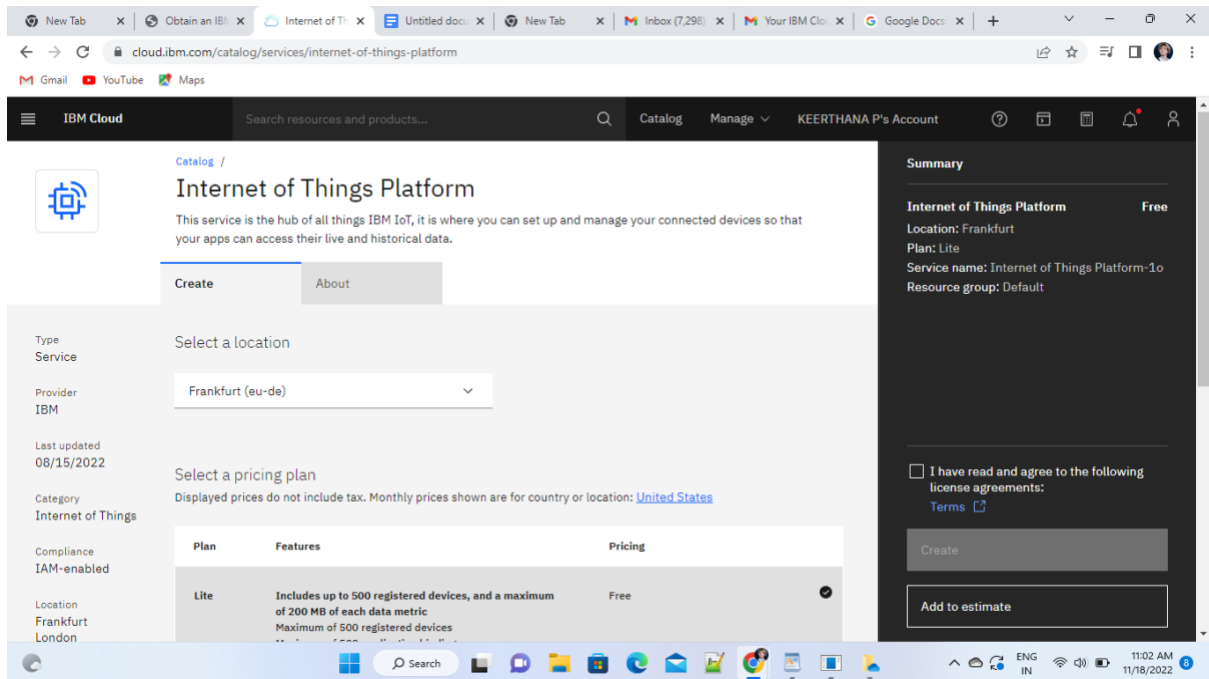
2. Dashboard of the IBM Cloud



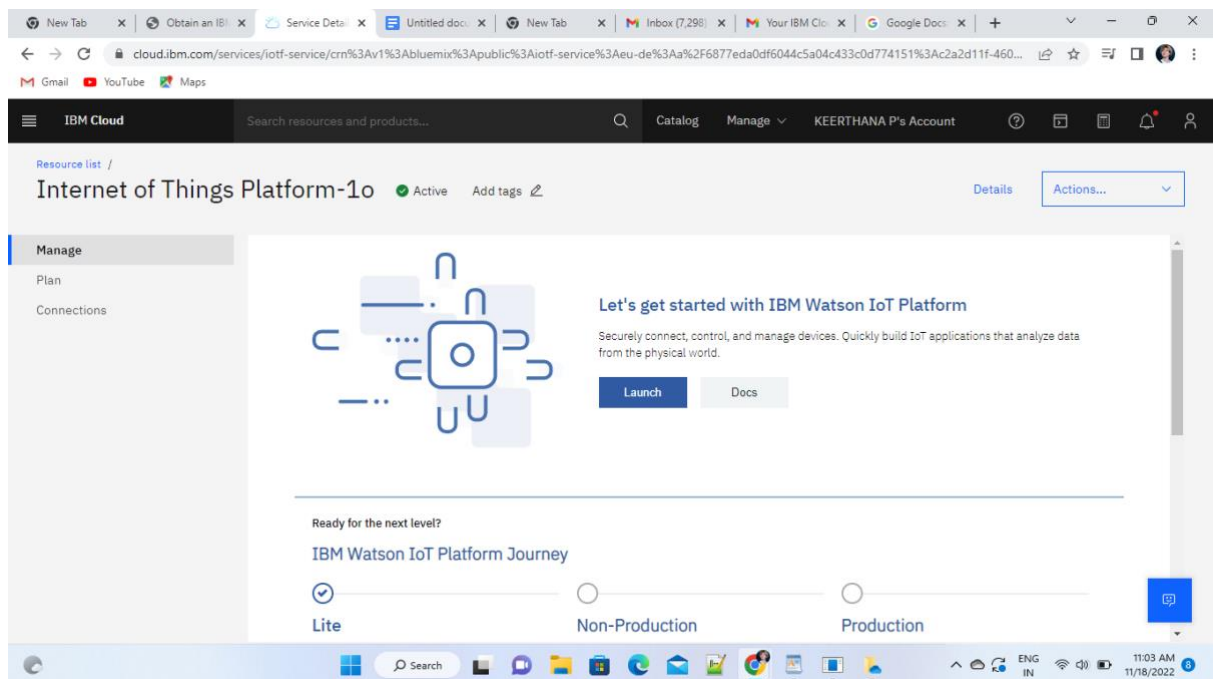
3. Click on the catalog on the top right. And click the Internet of Things present in the category list.



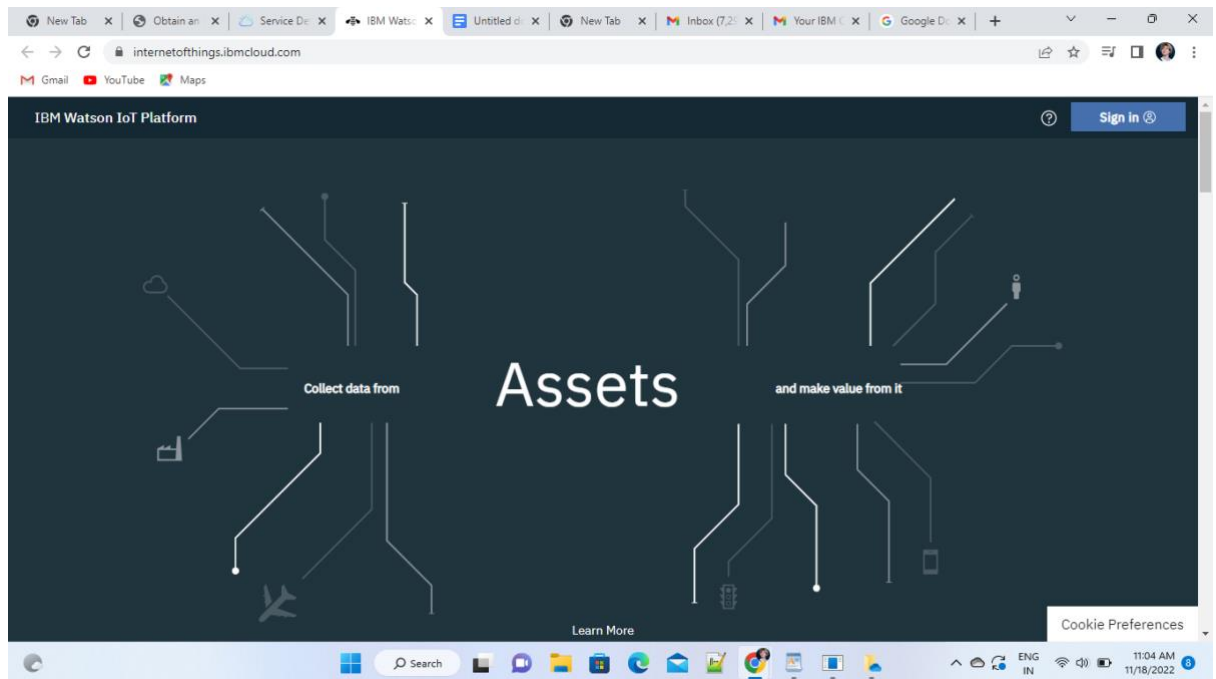
4. Click the license Agreement and select the create



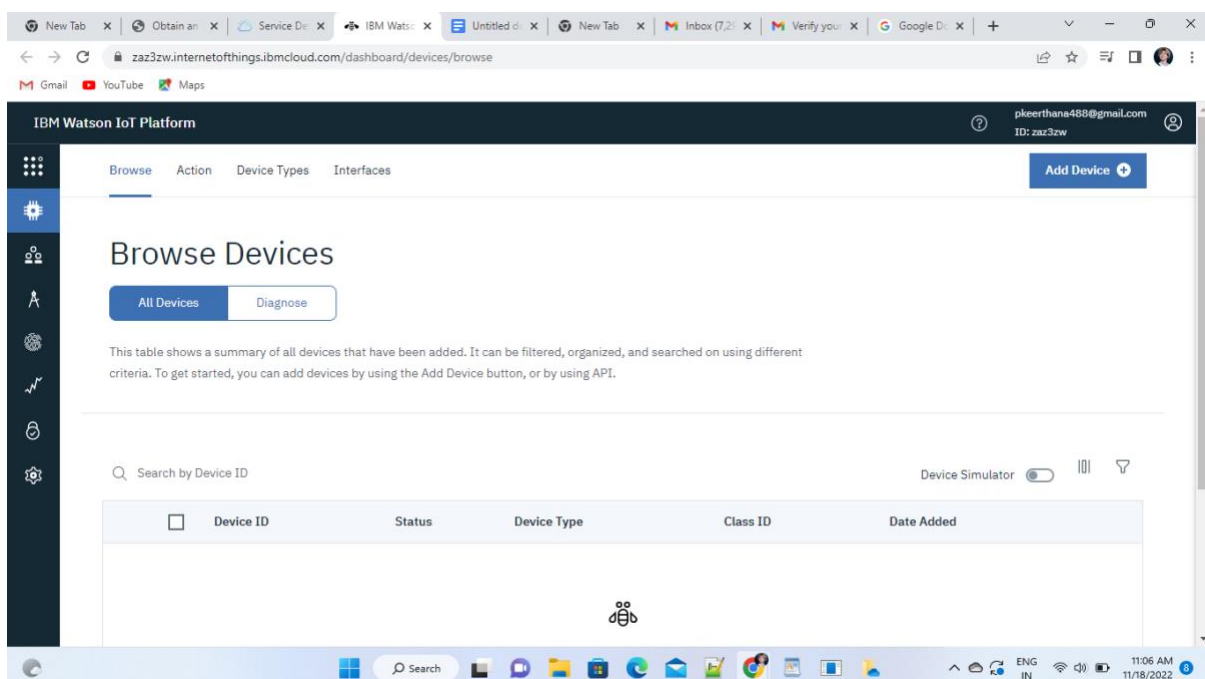
5. Click the launch button



6. Sign in to the IBM account again



7. Click on the Add device on the right corner



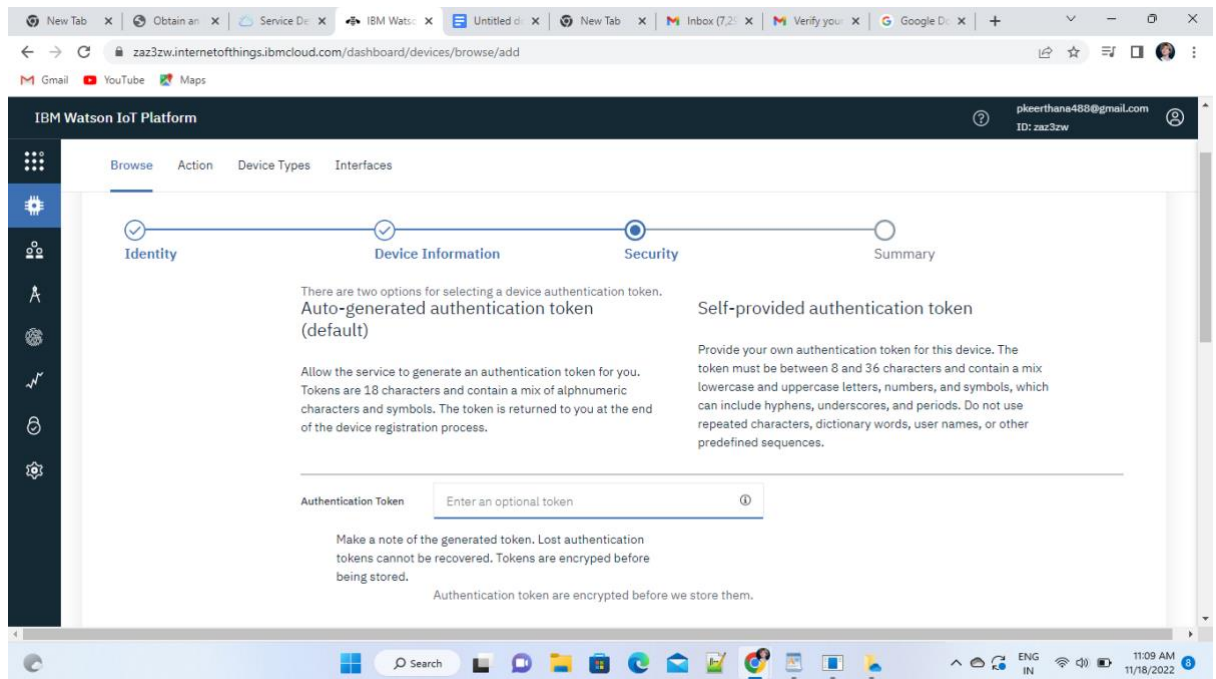
8. Type the device type and device id and click next

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The wizard has four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active, indicated by a blue circle and a checkmark. Below the step indicator, there is a text prompt: '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 a placeholder 'Select or create a device type...' and 'Device ID' with a placeholder 'Enter Device ID'. At the bottom right of the wizard, there are two buttons: 'Cancel' and 'Next'. The user's profile 'pkeerthana488@gmail.com' and ID 'ID: zaz3zw' are visible in the top right corner.

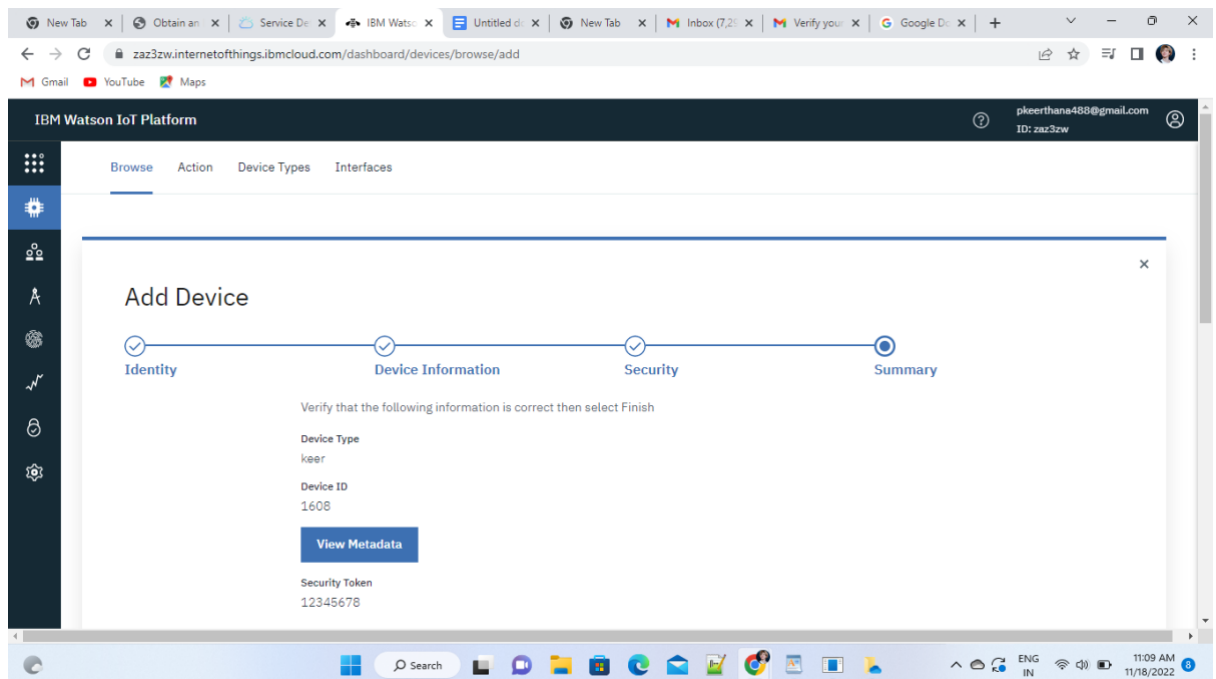
9. Click the next at the bottom

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform, now at the 'Device Information' step. The 'Identity' step is completed, indicated by a checkmark. The 'Device Information' step is active, indicated by a blue circle. Below the step indicator, there is a text prompt: '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' (placeholder: 'Enter Serial Number'), 'Model' (placeholder: 'Enter Model'), 'Description' (placeholder: 'Enter Description'), and 'Hardware Version' (placeholder: 'Enter Hardware Version'). The right column contains: 'Manufacturer' (placeholder: 'Enter Manufacturer'), 'Device Class' (placeholder: 'Enter Device Class'), 'Firmware Version' (placeholder: 'Enter Firmware Version'), and 'Descriptive Location' (placeholder: 'Enter Descriptive Location'). At the bottom left of the wizard, there is a button 'Add Metadata' with a plus icon. At the bottom right, there is a language selection dropdown showing 'English (United States)' and 'English (India)', with a note 'To switch input methods, press Windows key + space.' The user's profile 'pkeerthana488@gmail.com' and ID 'ID: zaz3zw' are visible in the top right corner.

10. Enter the authentication token and then click next



11. Click the next



12. Device Drilldown page appear

The screenshot shows the IBM Watson IoT Platform interface. The browser address bar displays the URL: `zaz3zw.internetofthings.ibmcloud.com/dashboard/devices/drilldown/keer:1608?returnTo=/devices/browse`. The page title is "Device Drilldown - 1608". On the left, a sidebar menu lists various options: Device Credentials, Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The main content area is titled "Device Credentials" and contains the following information:

Property	Value
Organization ID	zaz3zw
Device Type	keer
Device ID	1608
Authentication Method	use-token-auth
Authentication Token	12345678

A warning message at the bottom states: "Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token."

13. Click browse again to view the connectivity

The screenshot shows the "Browse Devices" page in the IBM Watson IoT Platform. The browser address bar displays the URL: `zaz3zw.internetofthings.ibmcloud.com/dashboard/devices/browse`. The page has tabs for "Browse", "Action", "Device Types", and "Interfaces". The "Browse" tab is active. Below the tabs, there are buttons for "All Devices" and "Diagnose". A message states: "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." Below this, there is a search bar labeled "Search by Device ID" and a "Device Simulator" toggle. A table lists the devices:

Device ID	Status	Device Type	Class ID	Date Added
1608	Disconnected	keer	Device	Nov 18, 2022 11:09 AM

At the bottom of the table, it says "Items per page 50 | 1-1 of 1 item" and "1 of 1 page".