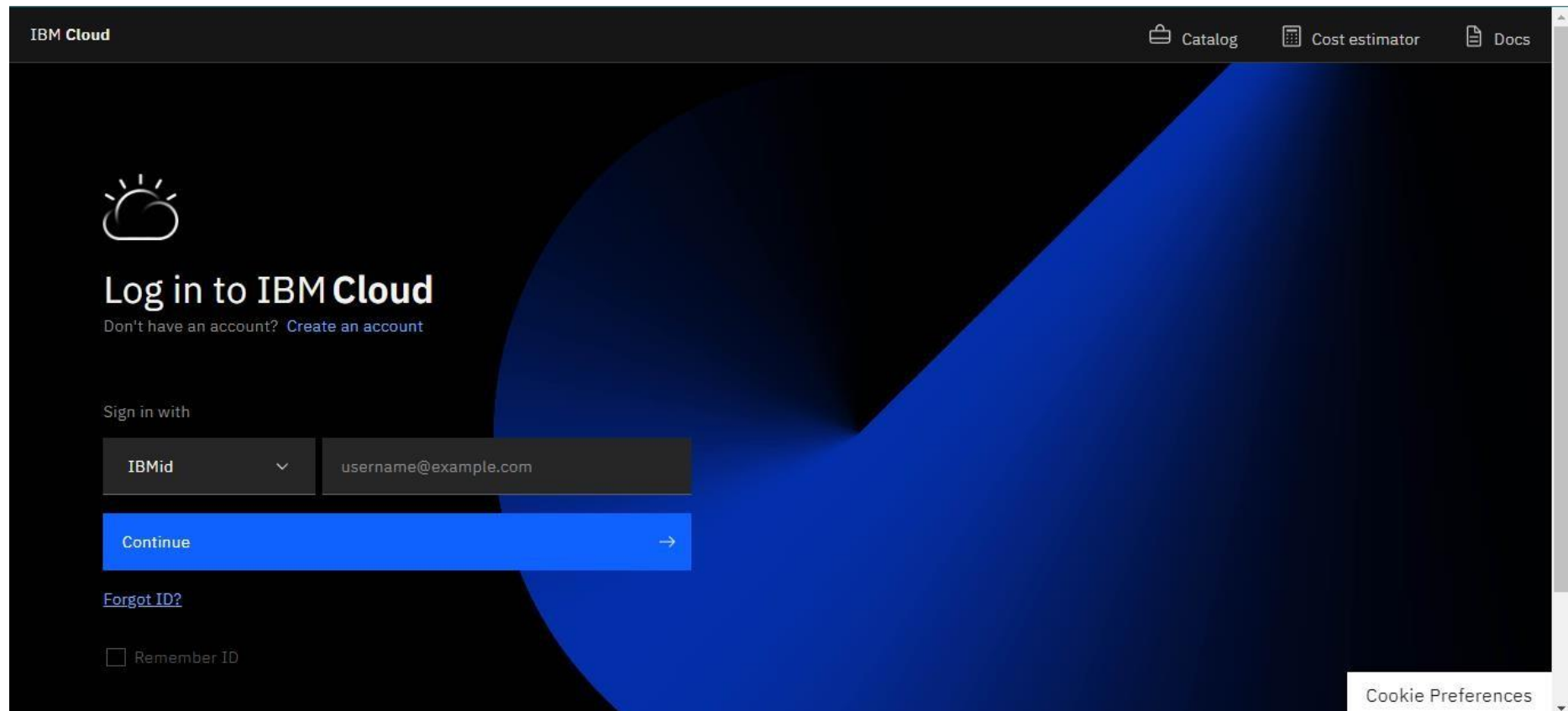


## **Create The IBM Watson IoT Platform And A Device**

<b>Project Title</b>	SmartFarmer – IoT Enabled Smart Farming Application
<b>Team ID</b>	PNT2022TMID04737
<b>Content</b>	IBM Cloud and Device Creation

## STEP 1:


Login into your IBM Cloud.



The screenshot shows the IBM Cloud login interface. At the top, there is a dark navigation bar with the 'IBM Cloud' logo on the left and links for 'Catalog', 'Cost estimator', and 'Docs' on the right. The main content area has a dark background with a large blue abstract shape. On the left, there is a cloud icon with sun rays, followed by the text 'Log in to IBM Cloud'. Below this, a link says 'Don't have an account? [Create an account](#)'. Under the heading 'Sign in with', there is a dropdown menu showing 'IBMid' and a text input field containing 'username@example.com'. Below these is a prominent blue 'Continue' button with a right-pointing arrow. Further down, there is a link for 'Forgot ID?' and a checkbox labeled 'Remember ID'. In the bottom right corner, there is a 'Cookie Preferences' link.

IBM Cloud

Catalog Cost estimator Docs



**Log in to IBM Cloud**

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

Sign in with

IBMid

**Continue** →

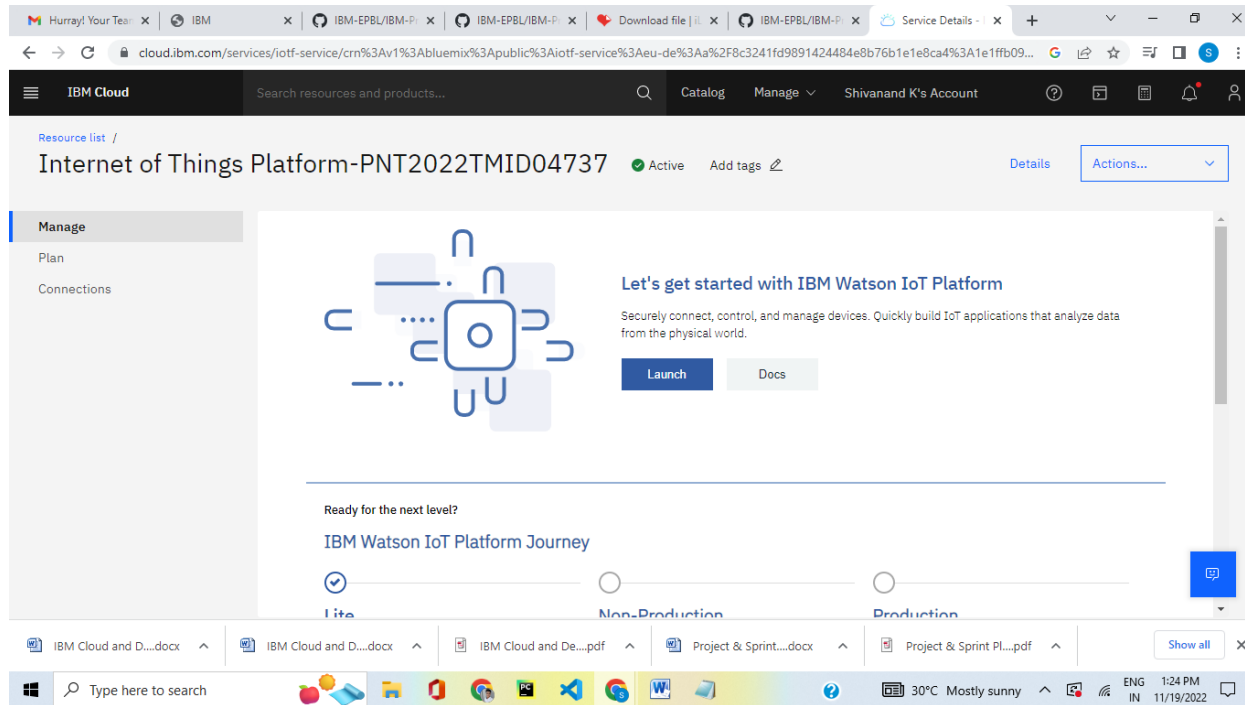
[Forgot ID?](#)

☐ Remember ID

[Cookie Preferences](#)

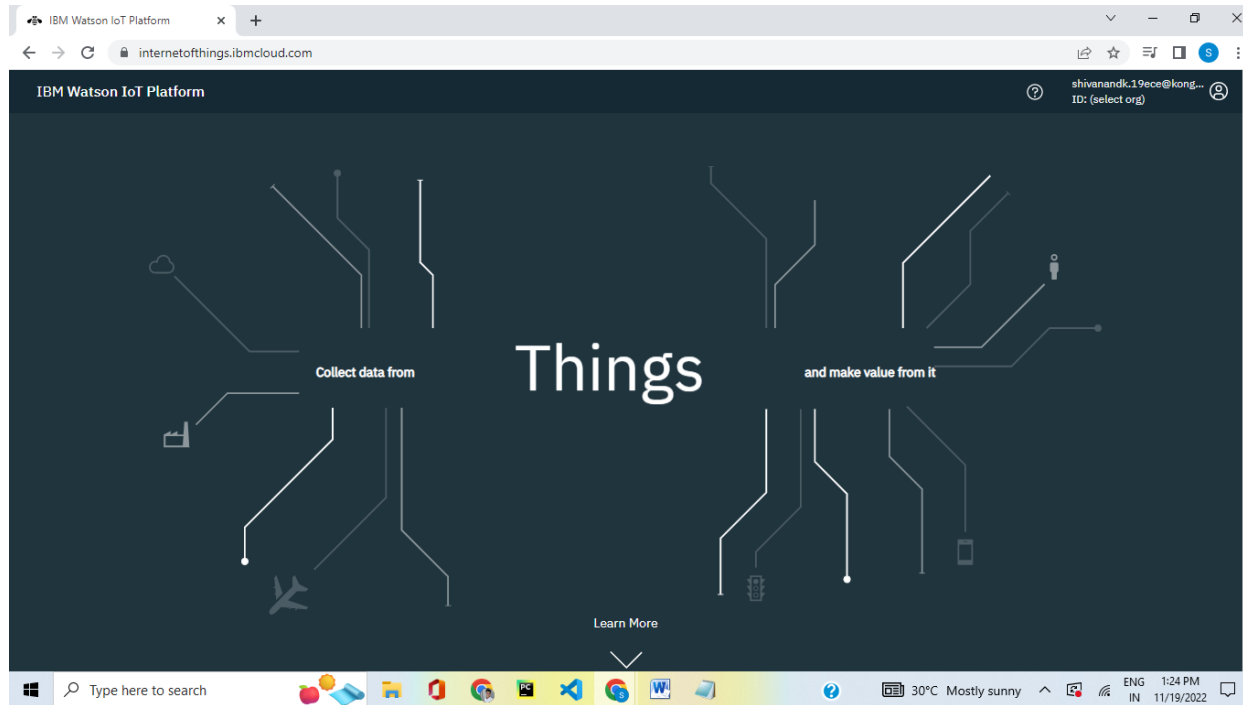
## STEP 2:

After Login you will redirected to your dashboard. Search Internet of Things and Click on it.



## STEP 3:

Now click on existing instance and then click Launch. Now you will be redirected to new page and Sign In again if it's prompt. Next select your org.



## STEP 4:

Go to Devices section, there click on Add Device. There enter your device type and device id. Then click Next and Click Next again.

The screenshot shows the IBM Watson IoT Platform interface in a web browser. The URL is `eegz11.internetofthings.ibmcloud.com/dashboard/devices/browse/add`. The user is logged in as `shivanandk.19ece@kongu.edu` with ID `eegz11`. The 'Add Device' wizard is displayed, showing a progress bar with four steps: Identity (selected), Device Information, Security, and Summary. Below the progress bar, the instruction reads: 'Select a device type for the device that you are adding and give the device a unique ID.' The 'Device Type' field contains 'NodeMCU' and the 'Device ID' field contains '12345'. At the bottom right of the form are 'Cancel' and 'Next' buttons. The Windows taskbar at the bottom shows the date and time as 11/19/2022, 1:23 PM.

IBM Watson IoT Platform

shivanandk.19ece@kongu.edu  
ID: eegz11

Browse Action Device Types Interfaces

### Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type NodeMCU

Device ID 12345

Cancel Next

Type here to search

30°C Mostly sunny

ENG 1:23 PM  
IN 11/19/2022

## STEP 5:

Enter your authentication token or otherwise it will be auto generated and then click Next and then click Finish.

IBM Watson IoT Platform

shivanandk.19ece@kongu.edu  
ID: eegz11

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
> <input type="checkbox"/>	12345	Disconnected	NodeMCU	Device	Nov 19, 2022 12:50 PM

Items per page 50 | 1-1 of 1 item

1 of 1 page

## STEP 6:

Now you can see your Device Credentials.

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present, and an 'Add Device' button is in the top right. The main content area shows a table of devices. The first device is selected, and its details are shown in a sidebar. The details include:

Identity	Device Information	Recent Events	State	Logs
Device ID	12345			
Device Type	NodeMCU			
Date Added	Nov 19, 2022 12:50 PM			
Added By	shivanandk.19ece@kongu.edu			
Connection Status	Disconnected			

The bottom of the screen shows a Windows taskbar with various application icons and system information: 30°C Mostly sunny, 1:23 PM, 11/19/2022.

## Step 7:

Now click Back, there you can see the list of devices you created with device type, device id, date that device is created and status.

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Browse' tab is active, showing the 'Browse Devices' page. The page has a sidebar with various icons and a top right area with a user profile and 'Add Device' button. The main content area shows a table of devices. The table has columns for Device ID, Status, Device Type, Class ID, and Date Added. There is one device listed with ID 12345, Status Disconnected, Device Type NodeMCU, Class ID Device, and Date Added Nov 19, 2022 12:50 PM. The page also includes a search bar, a 'Device Simulator' toggle, and pagination controls.

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	NodeMCU	Device	Nov 19, 2022 12:50 PM