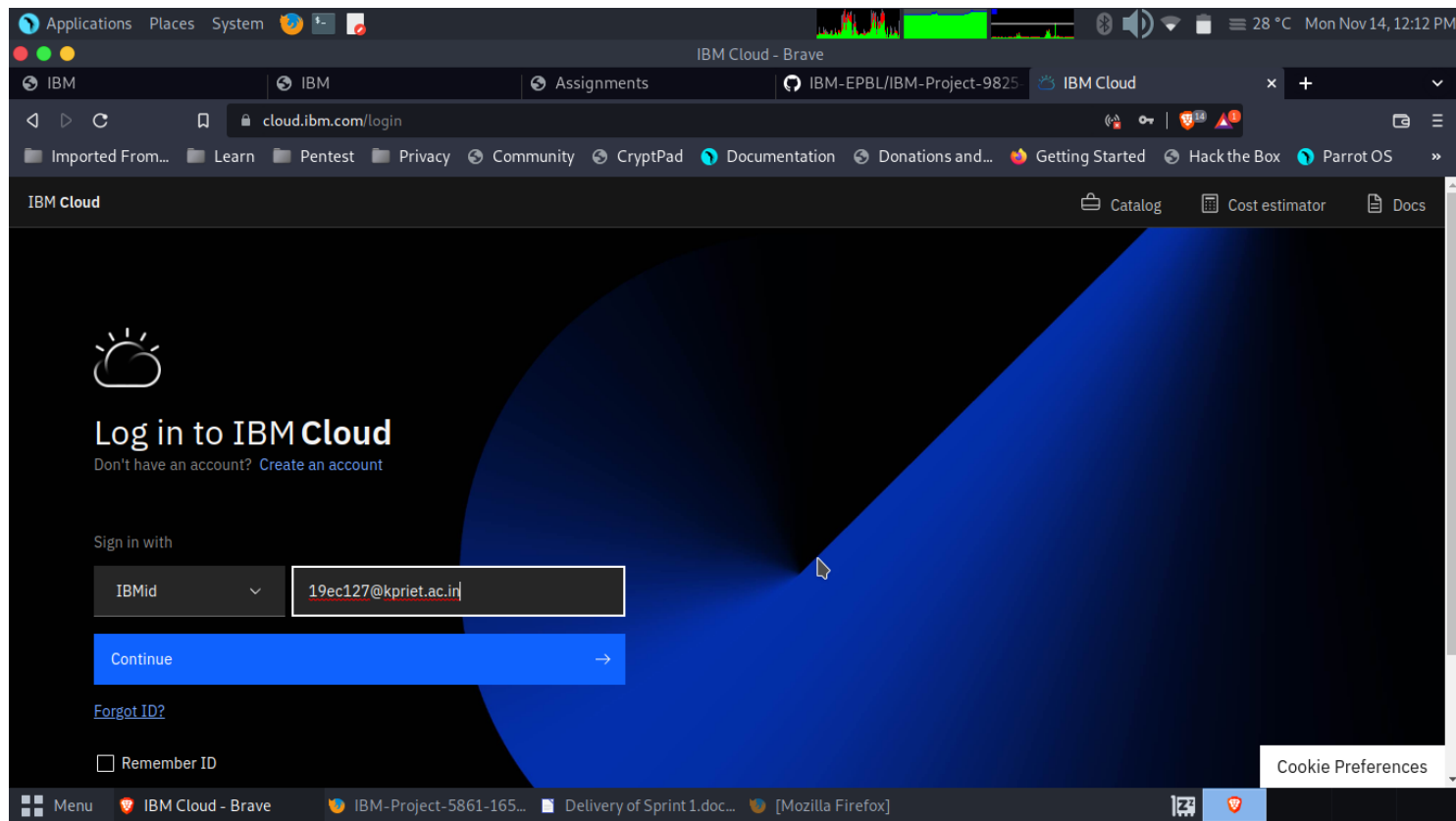


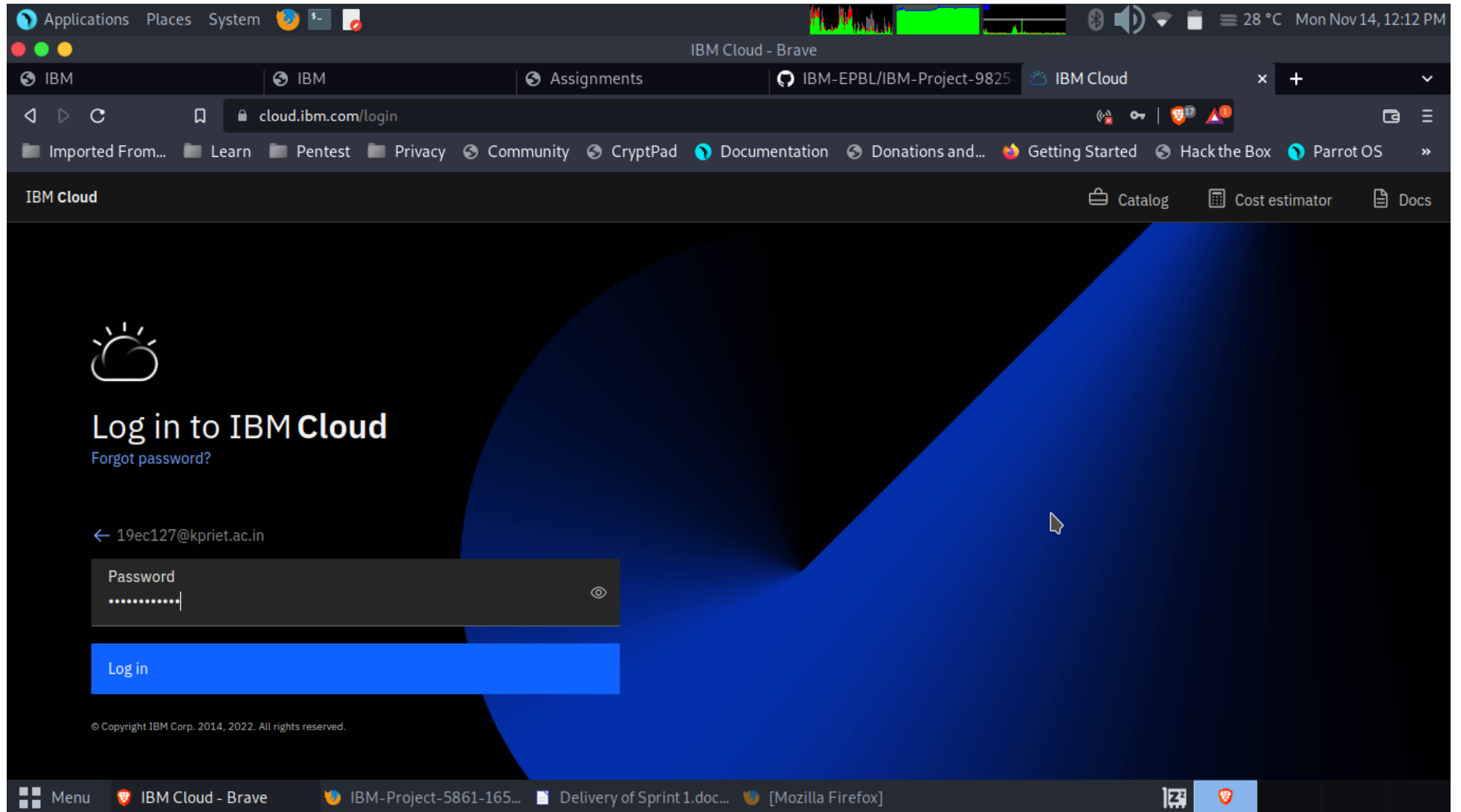
Project Development Phase

Delivery of Sprint 1

Date	29 October 2022
Team ID	PNT2022TMID14470
Project Name	Project –Gas leakage monitoring and alerting system for industries



Step 2: Logged in to IBM cloud account



Step 3: Click on Catalog to search Internet Of Things

Applications Places System 28 °C Mon Nov 14, 12:33 PM

IBM Cloud - Brave

IBM IBM Assignments IBM-EPBL/IBM-Project-9825 IBM Cloud

cloud.ibm.com

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Dashboard Edit dashboard Upgrade account Create resource

For you Select an option

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Build a web app with Watson Speech to Text
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Getting started 15 min

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App Co
Instant applica system technol single li App Co
Recom

User access Manage users **News** View all Planned maintenance View all

Menu IBM Cloud - Brave IBM-Project-5861-165... Delivery of Sprint 1.doc... Mozilla Firefox

Step 4: search for Internet of Things Platform and login to and finished further processes

The screenshot shows a Brave browser window with the URL `cloud.ibm.com/catalog`. The page title is "Catalog - IBM Cloud". The browser's address bar shows the URL and a search icon. The page header includes a search bar with the text "Search resources and products...", a "Catalog" link, a "Manage" dropdown, and a user profile "UDAYA KEERTHI VS's A...". The main content area features a large illustration of a storefront with a striped awning, surrounded by various IoT and cloud-related icons. Below the illustration, the word "Catalog" is displayed in a large font, followed by a search bar with the placeholder text "Search the catalog...". The page is categorized under "Category" with a dropdown arrow, showing "Viewing 206 products". On the right, there is a "Alphabetically" dropdown and a toggle for grid/list view. The "Type" filter is set to "All", with options for "Services" and "Software". The product list displays three items: "Analytics Engine" by IBM, "AnonTech ViziVault Platform" by Anon Technology, Inc., and "API Connect" by IBM. The bottom of the browser window shows a taskbar with several open applications, including "Menu", "Catalog - IBM Cloud - B...", "[IBM-Project-5861-16...", "Delivery of Sprint 1.doc...", "[Mozilla Firefox]", and "page".

Step 5: After clicking on Resource list select Internet of things platform and click on launch

The screenshot shows a web browser window with the IBM Cloud Service Details page for the 'Internet of Things Platform-fm'. The browser's address bar shows the URL: `cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F855f692f9e88484a...`. The page header includes the IBM Cloud logo, a search bar, and navigation links like 'Catalog', 'Manage', and 'UDAYA KEERTHI VS's A...'. The main content area features a large illustration of a central square with a circle inside, connected to various shapes representing devices. To the right of the illustration, the text reads: 'Let's get started with IBM Watson IoT Platform' followed by 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' Below this text are two buttons: 'Launch' (in blue) and 'Docs' (in light gray). On the left side of the page, there is a sidebar with a 'Manage' section containing 'Plan' and 'Connections'. At the bottom of the page, there is a section titled 'Ready for the next level?' with the heading 'IBM Watson IoT Platform Journey' and a progress bar with three circles, the first of which is checked. A blue chat bubble icon is located in the bottom right corner of the page.

Service Details - IBM Cloud - Brave

https://careereducation.smart | https://careereducation.smart | Assignments | IBM-EPBL/IBM-Project-9825- | Service Details - IBM Cloud x +

cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F855f692f9e88484a...

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IBM Cloud Search resources and products... Catalog Manage UDAYA KEERTHI VS's A...

Resource list /

Internet of Things Platform-fm Active Add tags Details Actions...

Manage

Plan

Connections

Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

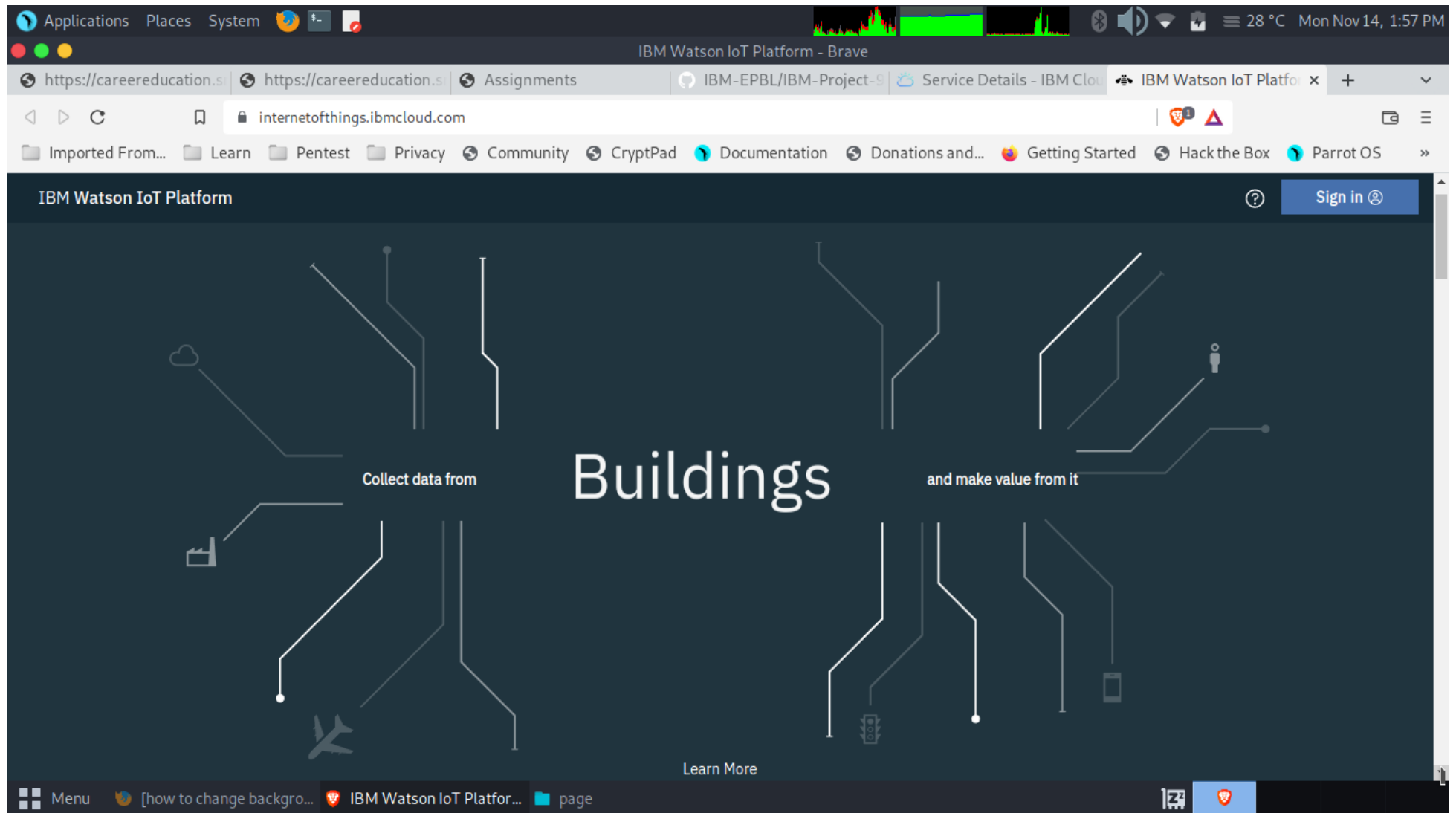
Launch Docs

Ready for the next level?

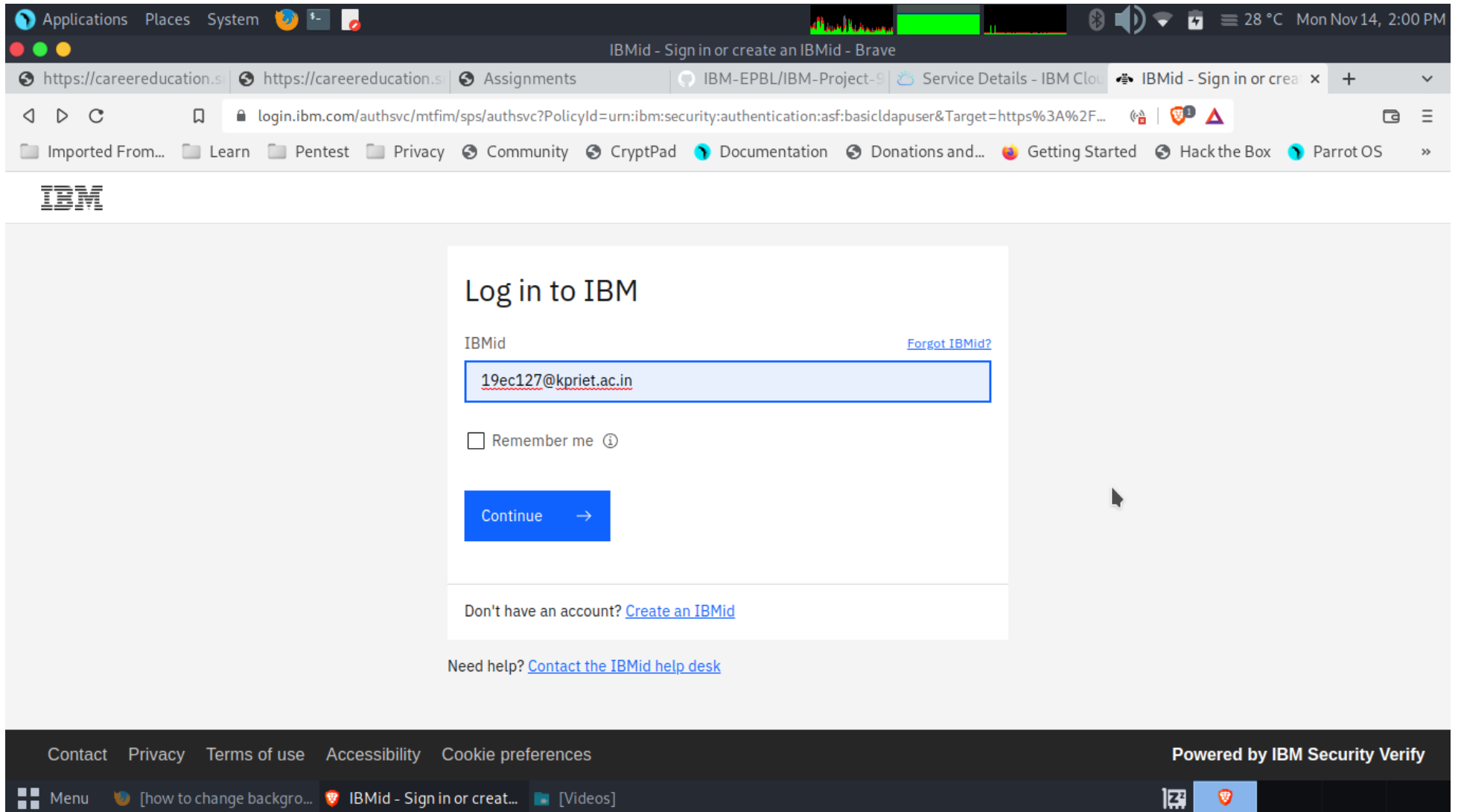
IBM Watson IoT Platform Journey

Menu [how to change backgro... Service Details - IBM CL... page

Step 6: Refresh the page and the login page will appear.



Step 7: Login Into the window for IBM Watson and find the created Device



The screenshot shows a Brave browser window with the URL `login.ibm.com/authsvc/mtfim/sps/authsvc?PolicyId=urn:ibm:security:authentication:asf:basicdapuser&Target=https%3A%2F...`. The page title is "Log in to IBM". The login form includes an "IBMid" label, a "Forgot IBMId?" link, and a text input field containing the email `19ec127@kpriet.ac.in`. Below the input field is a "Remember me" checkbox with an information icon. A blue "Continue" button with a right arrow is positioned below the checkbox. At the bottom of the form, there is a link "Don't have an account? Create an IBMId". Below the 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", along with the text "Powered by IBM Security Verify". The browser's address bar shows several tabs, including "IBMid - Sign in or create an IBMId - Brave".

Applications Places System

IBMid - Sign in or create an IBMId - Brave

`https://careereducation.s` `https://careereducation.s` Assignments IBM-EPBL/IBM-Project-9 Service Details - IBM Cloud IBMid - Sign in or crea x +

login.ibm.com/authsvc/mtfim/sps/authsvc?PolicyId=urn:ibm:security:authentication:asf:basicdapuser&Target=https%3A%2F... | |

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IBM

Log in to IBM

IBMid [Forgot IBMId?](#)

`19ec127@kpriet.ac.in`

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Menu [how to change backgro... IBMid - Sign in or creat... [Videos]

Step 8 : Then click on the profile and click on the bluemix with organization id

The screenshot shows a Brave browser window with the title "IBM Watson IoT Platform - Brave". The address bar displays "internetofthings.ibmcloud.com". The browser's tab bar includes several tabs: "https://careereducati...", "Assignments", "IBM-EPBL/IBM-Proje...", "Service Details - IBM...", "IBM Watson IoT Pl...", and "Verify your identity -". The browser's bookmark bar contains links such as "Imported From...", "Learn", "Pentest", "Privacy", "Community", "CryptPad", "Documentation", "Donations and...", "Getting Started", "Hack the Box", and "Parrot OS".

The main content area of the browser displays the "IBM Watson IoT Platform" dashboard. The dashboard has a dark blue background with a white circuit-like pattern. In the center, the word "Equipment" is written in large white font. To the left of "Equipment" is the text "Collect data from" with a small icon of a factory. To the right of "Equipment" is the text "and make value from it" with a small icon of a person. The top right corner of the dashboard shows a user profile icon and the text "19ec127@kpriet.ac.in ID: (select org)".

The bottom of the screenshot shows the operating system's taskbar. It includes a "Menu" button, a "Settings" button, and several open applications: "Mozilla Fire...", "IBM Watson IoT Platfor...", and "[Videos]". The system tray on the right shows the date and time as "Mon Nov 14, 2:05 PM" and the temperature as "28 °C".

Step 9 : Then turn on device simulator and then create a random function for Temperature, Humidity and Gas Level.

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes the IBM logo and the text "IBM Watson IoT Platform". The main content area is titled "Browse" and contains a table of devices. The table has columns for "Device ID", "Status", "Device Type", "Class ID", and "Date Added". There is one device listed: "Udayakpr007" with status "Disconnected" and type "Gas_Leakage_Detector". The "Device Simulator" toggle is turned on. The bottom status bar shows "0 Simulations running".

IBM Watson IoT Platform

19ec127@kpriet.ac.in
ID: pi0ywk

Browse Action Device Types Interfaces

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"/>	Udayakpr007	Disconnected	Gas_Leakage_Detector	Device	7 Nov 2022 19:02

Items per page 50 | 1-1 of 1 item

1 of 1 page

0 Simulations running

Step 10: This is the output for random Temperature, Humidity, Gas Level

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area shows a device card for 'Udayakpr007' with a status of 'Connected' and a device type of 'Gas_Leakage_Detector'. Below the card, a tabbed interface shows 'Recent Events' with a table of sensor data.

Event	Value	Format	Last Received
IoTSensor	{"temp":88,"Humid":98,"gas":75}	json	a few seconds ago
IoTSensor	{"temp":78,"Humid":42,"gas":43}	json	a few seconds ago
IoTSensor	{"temp":80,"Humid":89,"gas":83}	json	a few seconds ago
IoTSensor	{"temp":59,"Humid":3,"gas":15}	json	a few seconds ago
IoTSensor	{"temp":1,"Humid":90,"gas":57}	json	a few seconds ago