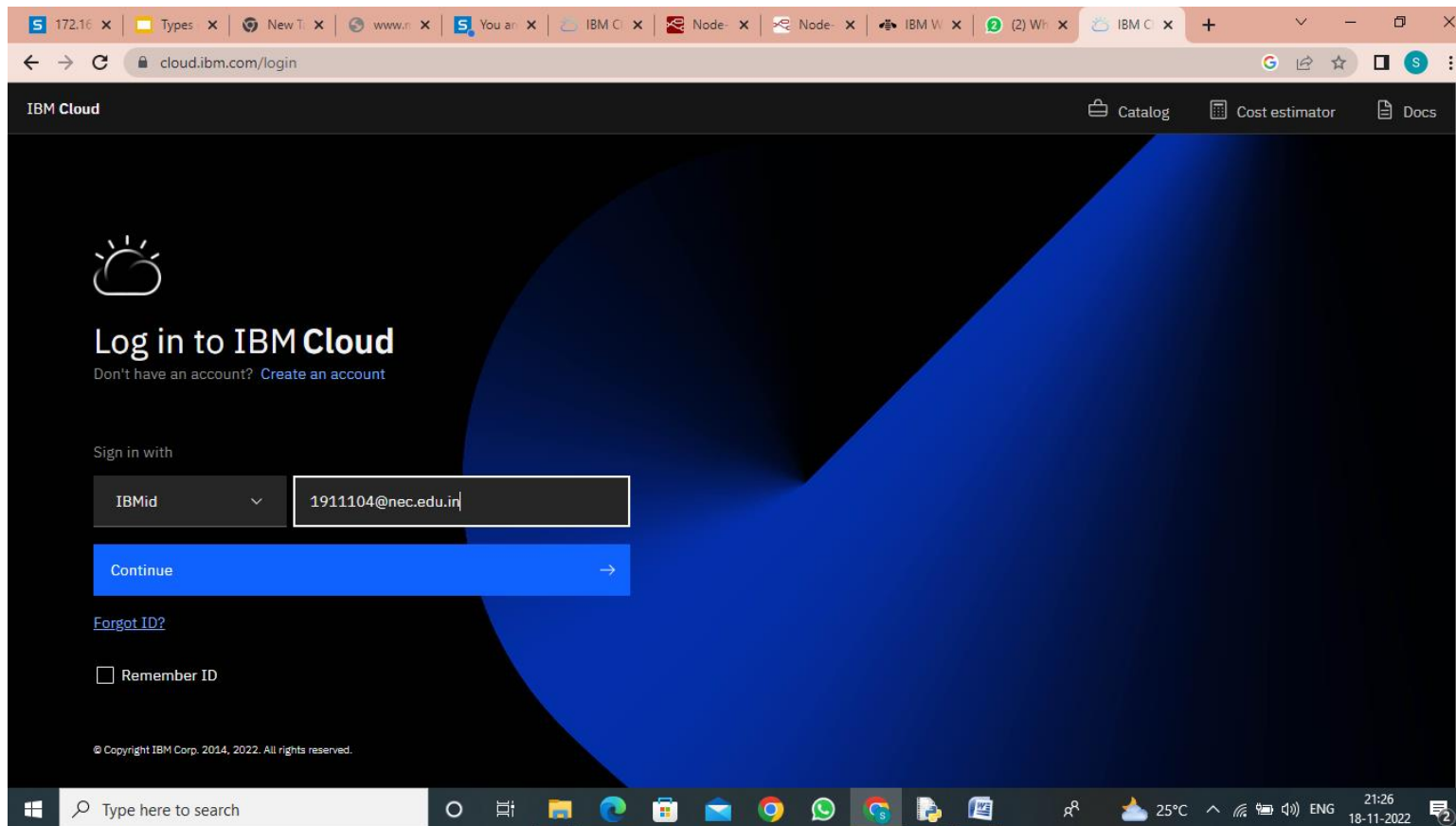
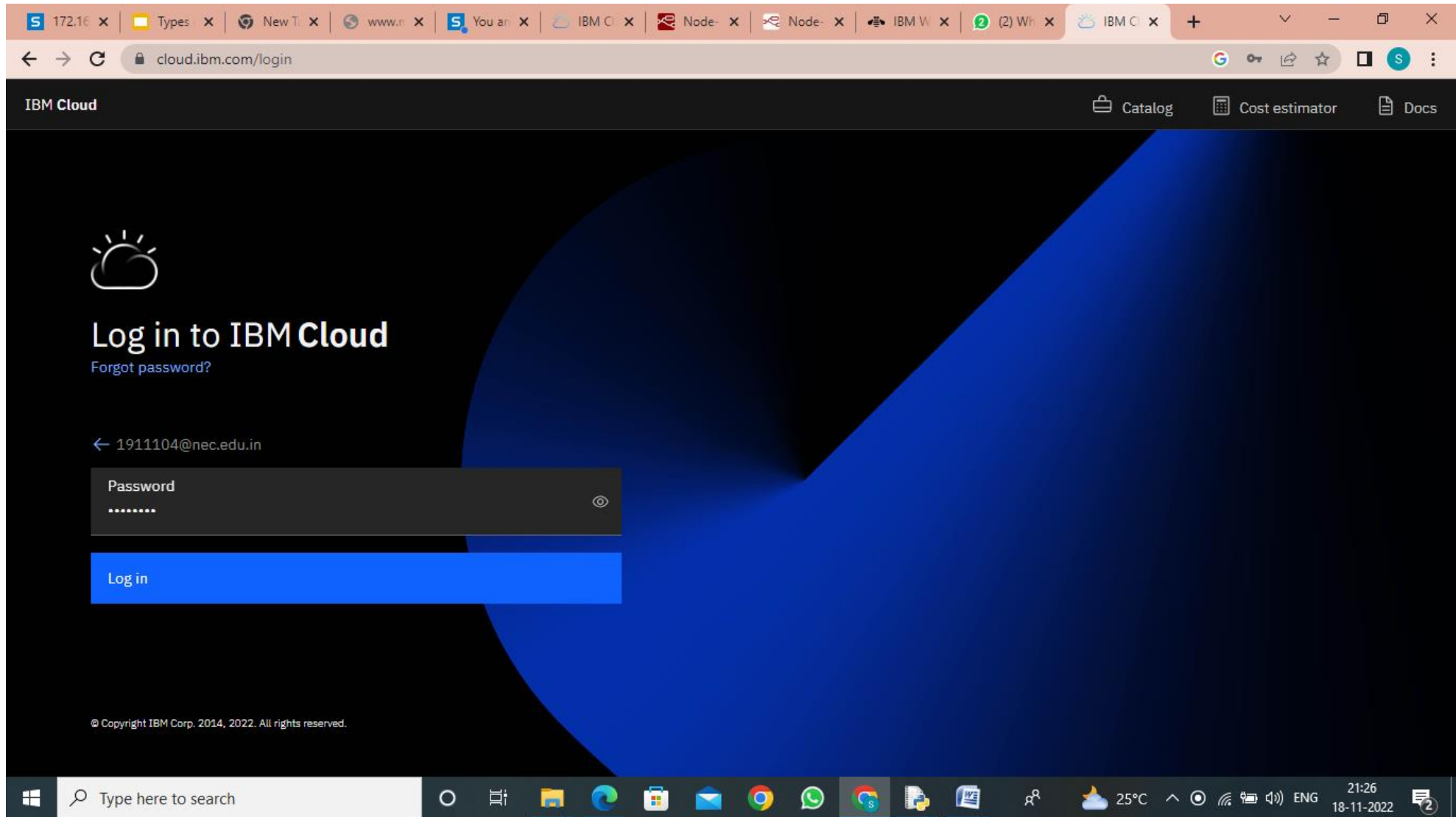


Project Development Phase Delivery of Sprint 2

Date	29 October 2022
Team ID	PNT2022TMID20329
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

The screenshot shows the IBM Cloud dashboard interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to 'Catalog', 'Manage', and 'SOBANA A's Account'. The 'Catalog' tab is currently selected. The main content area is titled 'Dashboard' and features a 'For you' section with several service cards. The 'Catalog' card is highlighted, showing a list of services and their 'Getting started' time. Other cards include 'Build', 'Explore IBM Cloud Shell', 'Visit the IBM Cloud catalog', 'Build a web app with Watson Speech to Text', 'Get Started with Watson Studio', and 'Build a Cloud (IaaS)'. The bottom of the dashboard shows 'User access', 'News', and 'Planned maintenance' sections. The Windows taskbar at the bottom displays the search bar, task view, and various application icons.

IBM Cloud

Search resources and products...

Catalog Manage SOBANA A's Account

Dashboard

Edit dashboard Upgrade account Create resource

For you

Select an option

Build
Explore IBM Cloud with this selection of easy starter tutorials and services.

Explore IBM Cloud Shell
Try a command-driven approach for creating, developing, and deploying a web project.
Getting started 2 min

Visit the IBM Cloud catalog
Explore our unique product catalog that contains 190+ services and software for your business solutions.
Getting started 1 min

Build a web app with Watson Speech to Text
Deploy a conversational interface compatible with any application, device, or channel.
Getting started 15 min

Get Started with Watson Studio
Get started with using AI and Cloud Object Storage in 15 minutes.
Popular 2 hr

Build a Cloud (IaaS)
Upgrade to create and protect Cloud.
Getting started

User access Manage users
Enter email addresses below to jump directly into the invite user setup:

News View all
IBM Named a Leader in Gartner Magic Quadrant for Full Life Cycle API Management
IBM to Introduce a New Incident Management SaaS

Planned maintenance View all

Type here to search

25°C 21:27 18-11-2022

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

The screenshot displays the IBM Cloud Catalog web application. The browser's address bar shows the URL `cloud.ibm.com/catalog`. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (SOBANA A's Account). Below the navigation bar, the main content area features a large illustration of a server rack and various IoT-related icons. A search bar is positioned on the left side of this area. On the left sidebar, a 'Category' dropdown menu is expanded, showing options like Recommended products, Compute, Containers, Networking, Storage, AI / Machine Learning, Analytics, and Blockchain. The main content area displays three product cards: 'Analytics Engine' by IBM, 'AnonTech ViziVault Platform' by Anon Technology, Inc., and 'API Connect' by IBM. Each card includes a brief description and a list of features (e.g., Lite, Free, HIPAA Enabled, IAM-enabled). The bottom of the screen shows the Windows taskbar with the search bar and several application icons.

IBM Cloud

Search resources and products...

Catalog Manage SOBANA A's Account

Sell on IBM Cloud Catalog settings

Catalog

Search the catalog...

Category

- Recommended products
- Compute
- Containers
- Networking
- Storage
- AI / Machine Learning
- Analytics
- Blockchain

Analytics Engine
By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

Lite • Free • HIPAA Enabled • IAM-enabled •

AnonTech ViziVault Platform
By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

Lite • Free • HIPAA Enabled • IAM-enabled •

API Connect
By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises...

Lite • Free • EU Supported • IAM-enabled •

Type here to search

25°C 21:27 18-11-2022

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

The screenshot shows the IBM Cloud web interface. The browser's address bar displays the URL: `cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aaio%3Aa%2F66829f25ab364643aa6b13cbc8b91343%3A5057af3c-d7ff...`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (SOBANA A's Account). The main content area is titled "Internet of Things Platform-dp" and shows a status of "Active". A sidebar on the left contains links for Manage, Plan, and Connections. The central panel features a large graphic of a central node connected to several peripheral nodes, with the text "Let's get started with IBM Watson IoT Platform" and a description: "Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world." Below this text are two buttons: "Launch" (highlighted in blue) and "Docs". At the bottom, there is a section titled "Ready for the next level?" with the heading "IBM Watson IoT Platform Journey". This section contains three progress indicators: "Lite" (checked), "Non-Production", and "Production". Each indicator has a brief description of the service plan.


Resource list /

Internet of Things Platform-dp 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

☒

Lite

The Lite service plan provides a lightweight development environment to get you started

☐

Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables

☐

Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze

21:28 18-11-2022

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

172.16 x Types x New T x www.m x S You an x IBM Cl x Node- x Node- x (2) Wh x Service x IBM W x

internetofthings.ibmcloud.com

IBM Watson IoT Platform

Sign in

Collect data from

Cars

and make value from it

Learn More

Waiting for bat.bing.com...

Type here to search

25°C 21:28 18-11-2022

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

172.16 x Types x New T x www.m x S You an x IBM Cl x Node- x Node- x (2) Wh x Service x IBMId x

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

IBM

Log in to IBM

IBMid [Forgot IBMId?](#)

1911104@nec.edu.in

☐ Remember me ⓘ

[Continue](#) →

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

Need help? [Contact the IBMId help desk](#)

Contact Privacy Terms of use Accessibility Cookie preferences

Powered by IBM Security Verify

Type here to search

21:29 18-11-2022

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

The screenshot displays the IBM Watson IoT Platform interface in a web browser. The browser's address bar shows the URL `internetofthings.ibmcloud.com`. The page header includes the text "IBM Watson IoT Platform" on the left and a user profile section on the right with the email `1911104@nec.edu.in` and the prompt "ID: (select org)".

The main content area features a dark blue background with a central graphic. The word "Cars" is prominently displayed in the center. To the left of "Cars" is the text "Collect data from" accompanied by icons of a cloud, a factory, and an airplane. To the right of "Cars" is the text "and make value from it" accompanied by icons of a person, a traffic light, and a smartphone. Below the central graphic is a "Learn More" link.

The bottom of the image shows a Windows taskbar with a search bar labeled "Type here to search" and several application icons. The system tray on the right indicates a temperature of 25°C, the date 18-11-2022, and the time 21:29. A "Cookie Preferences" button is also visible in the bottom right corner of the browser window.

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

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar for 'Device ID' is present. The 'Device Simulator' toggle is turned on. The main content area shows a table of devices, with '1911104-iot' selected. Below the table, the 'Recent Events' tab is active, displaying a list of events with their values and timestamps.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1911104-iot	Connected	1911104	Device	Nov 17, 2022 11:59 AM	

Event	Value	Format	Last Received
IoTSensor	{"temp":25,"Humid":48,"gas":1496}	json	a few seconds ago
IoTSensor	{"temp":119,"Humid":98,"gas":1473}	json	a few seconds ago
IoTSensor	{"temp":16,"Humid":78,"gas":1326}	json	a few seconds ago
event_1	{"gas":15}	json	a few seconds ago
event_1	{"gas":83}	json	a minute ago

