

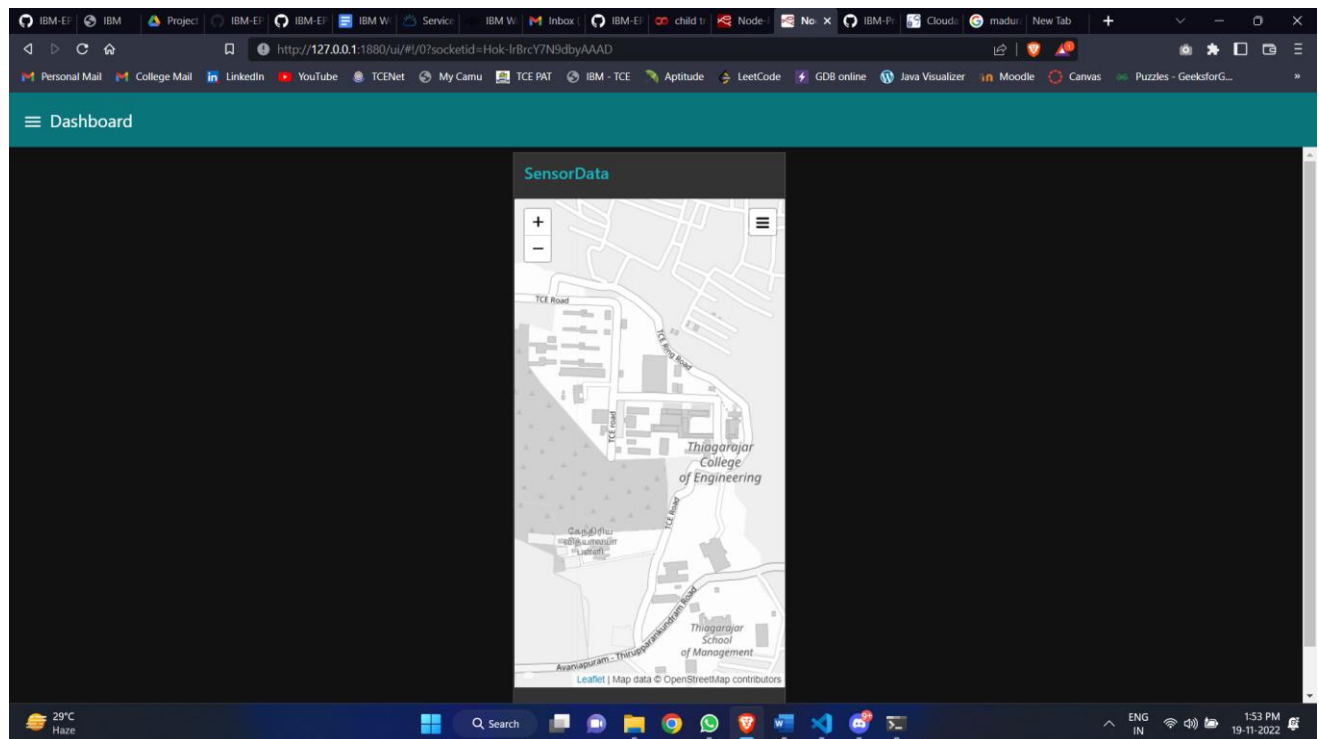
Project Development Phase SPRINT-2

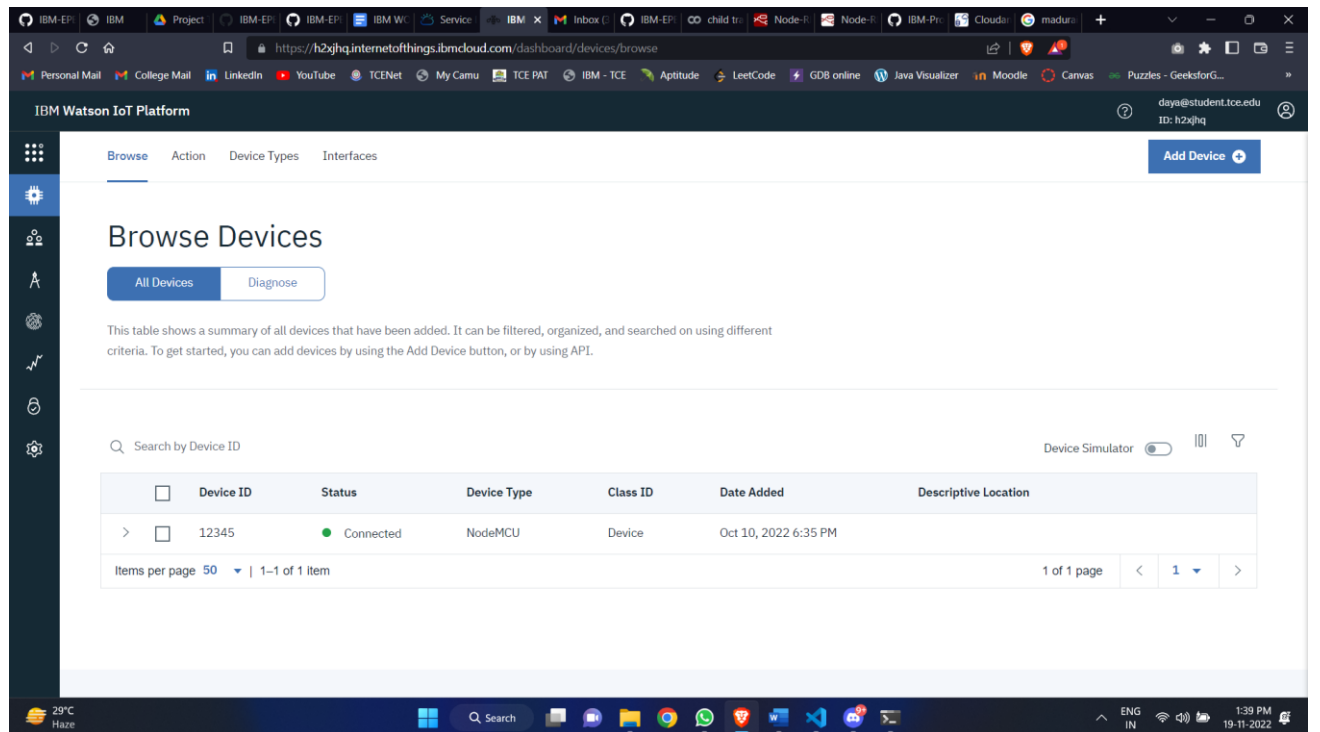
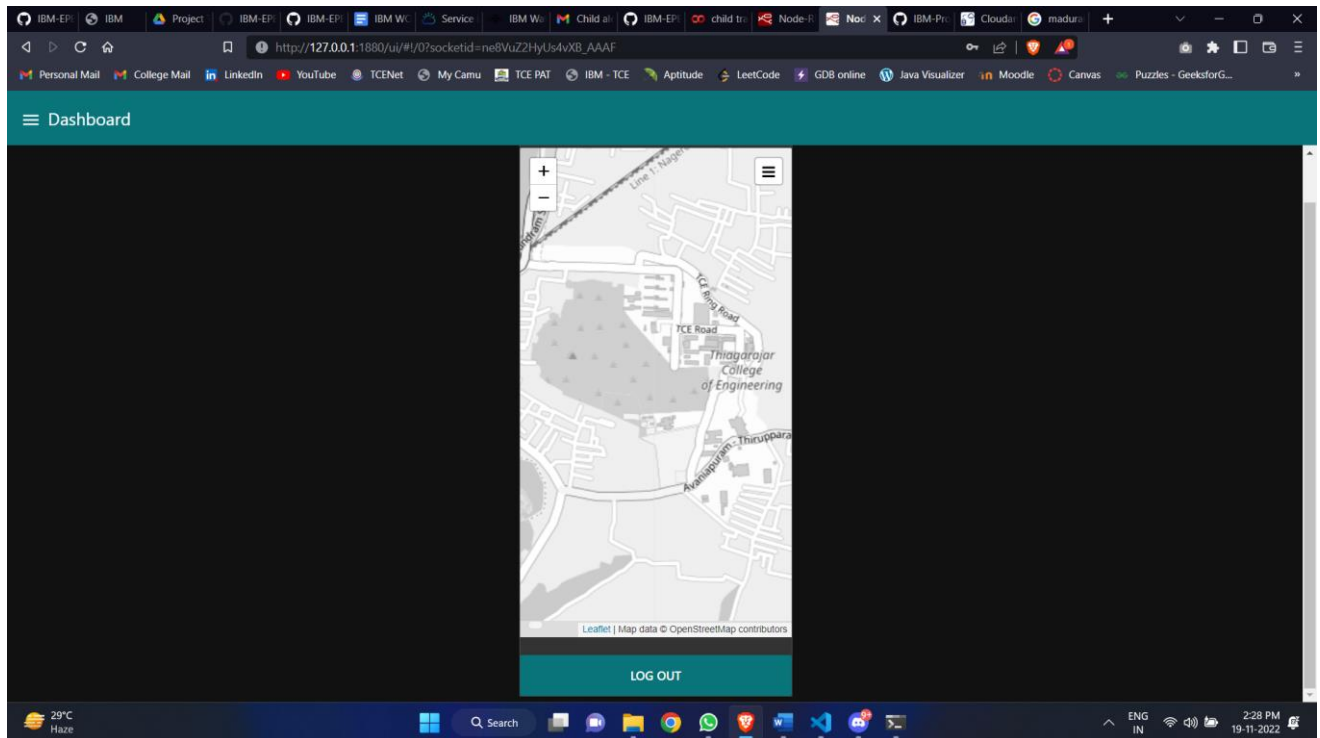
Date	07 November 2022
Team ID	PNT2022TMID21482
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	20 marks

Functional Requirements to be completed:

Sprint-2	Dashboard	USN-7	As a user, I can see the dashboard that contains the core features	1	Medium	Eniyan M S, Tarun Kishore G T
Sprint-2	Cloud configure	USN-8	Create and configure the IBM Cloud services which are being used in this project.	2	High	Tarun Kishore G T
			Connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials	3	Medium	Eniyan M S Daya Anand C H

Screenshots:





IBM Watson IoT Platform

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	NodeMCU	Device	Oct 10, 2022 6:35 PM	

Identity Device Information Recent Events State Logs

Device ID: 12345
Device Type: NodeMCU
Date Added: Oct 10, 2022 6:35 PM
Added By: daya@student.tce.edu
Connection Status: Connected
Connection Time: Nov 19, 2022 1:32 PM
Client Address: 35.188.236.65 SecureToken

Items per page 50 | 1-1 of 1 item

1 of 1 page

IBM Watson IoT Platform

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	NodeMCU	Device	Oct 10, 2022 6:35 PM	

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"name":"Child","lat":9.882190226007319,"lon"...	json	a few seconds ago
status	{"name":"Child","lat":9.882190226007319,"lon"...	json	a few seconds ago
status	{"name":"Child","lat":9.882190226007319,"lon"...	json	a few seconds ago
status	{"name":"Child","lat":9.882190226007319,"lon"...	json	a few seconds ago

IBM Watson IoT Platform

Event Payload

Event Name: status

Time Received: Nov 19, 2022 1:40 PM

```
1 {
2   "name": "Child",
3   "lat": 9.882190226007319,
4   "lon": 78.08165482089441
5 }
```

Device ID: 12345

Status: Connected

Device Information

The recent events listed show the live

Event	Value
status	{"name":"Child",
status	{"name":"Child",
status	{"name":"Child",
status	{"name":"Child",
status	{"name":"Child",

29°C Haze

1:40 PM 19-11-2022

IBM Watson IoT Platform

Device ID: 12345

Status: Connected

Device Type: NodeMCU

Class ID: Device

Date Added: Oct 10, 2022 6:35 PM

Descriptive Location

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
name	Child	String	status	a few seconds ago
lat	9.882190226007319	Number	status	a few seconds ago
lon	78.08165482089441	Number	status	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 of 1 page

29°C Haze

1:40 PM 19-11-2022

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Device ID Status Device Type Class ID Date Added Descriptive Location

12345	Connected	NodeMCU	Device	Oct 10, 2022 6:35 PM	
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Identity Device Information Recent Events State Logs

Diagnostic Logs

A list of device errors and timestamps detailing when the error occurred.

Severity	Message	Timestamp
----------	---------	-----------

No logs are available.

Connection Logs

A list of the connection events reported for this device.

Message	Timestamp
Token auth succeeded: ClientID=d:h2xjhq:Nod...	Nov 19, 2022 1:32 PM
Closed connection. The connection has complet...	Nov 19, 2022 1:31 PM
Token auth succeeded: ClientID=d:h2xjhq:Nod...	Nov 19, 2022 12:51 PM
Closed connection. The connection was closed ...	Nov 19, 2022 12:44 PM
Token auth succeeded: ClientID=d:h2xjhq:Nod...	Nov 19, 2022 11:31 AM
Closed connection. The connection was closed ...	Nov 19, 2022 1:09 AM
Closed connection. The client ID was reused...	Nov 18, 2022 11:42 PM

IBM Watson IoT Platform

Browse

Add Members

Browse Members

This table shows a summary of the members of the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add members by clicking Add Members, or by using the API. For more information about members, see [Managing user access](#).

Type the member email to search for

Email Address	Name	Role	Added By	Expires
5 results				
917719it112@smartinternz.com	-	Administrator	daya@student.tce.edu	-
daya@student.tce.edu	daya@student.tce.edu	Administrator	-	-
eniyanmaran@student.tce.edu	-	Administrator	daya@student.tce.edu	-
tarun@student.tce.edu	-	Administrator	daya@student.tce.edu	-
manoja@student.tce.edu	-	Administrator	daya@student.tce.edu	-

IBM Cloud

Search resources and products...

node-red-qxyfw-2022--cloudant-1665407523133 Active [Add tags](#)

Details [Actions...](#)

Manage Overview Capacity Docs [Launch Dashboard](#)

Service credentials

Plan

Connections

Cloudant Documentation

Cloudant documentation contains info on all aspects of using Cloudant, including provisioning, pricing, connecting, using the API, and querying.

Client Libraries

Support libraries for all major development languages, along with links to open source libraries.

Learning Center

The Cloudant Learning Center provides videos and tutorials to get you up to speed on using all aspects of the Cloudant API.

Plans & Provisioning

Review the IBM Cloudant plans available, pricing, and how to provision instance(s).

Provisioned Throughput Capacity
Data Usage
Pricing

Connecting/Authenticating

Understand how to connect to and authenticate against an IBM Cloudant instance.

Connecting
IBM Identity and Access Management (IAM)
IBM Cloudant Legacy Authentication

Replication

Indexing and Querying

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IBM Cloud

Search resources and products...

node-red-qxyfw-2022--cloudant-1665407523133 Active [Add tags](#)

Details [Actions...](#)

Manage

Service credentials

Plan

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

[New credential](#)

Key name	Date created
3905d83a-7d62-4910-99e9-8b54906f4e37	2022-10-10 6:42 PM

29°C Haze

IBM Cloud

Search resources and products...

CatalogManageDAYA ANAND C H's Acc...

Resource list /

node-red-qxyfw-2022--cloudant-1665407523133ActiveAdd tagsDetailsActions...

Manage

Service credentials

Plan

Connections

Change pricing plan

Plan	Features	Pricing
Lite	Limited throughput & storage Capped at 1GB of data storage Provisioned throughput capacity fixed at 20 reads/sec, 10 writes/sec, 5 global queries/sec Max JSON document size of 1MB	Free
Standard	Serverless scaling of throughput & storage Includes 20 GB of free data storage; additional storage metered Users can adjust provisioned throughput capacity in blocks of 100 reads/sec, 50 writes/sec, 5 global queries/sec Max JSON document size of 1MB	\$1.00 USD/GB of data storage \$0.25 USD/Read capacity \$0.50 USD/Write capacity \$5.00 USD/Global Query capacity
Dedicated Hardware	Add-on premium for a single tenant environment Available in any IBM Cloud location HIPAA readiness option for US locations IP whitelisting Customer-managed encryption keys with Key Protect Internal endpoints (Provisioned in 2019 or later)	\$5,000.00 USD/Instance

IBM Cloud

Search resources and products...

CatalogManageDAYA ANAND C H's Acc...

Resource list /

node-red-qxyfw-2022--cloudant-1665407523133ActiveAdd tagsDetailsActions...

Manage

Service credentials

Plan

Connections

Search connections...

Create connection +

Name	Group	Cloud Foundry alias	Route	Status
Node RED QXYFW 2022-10-10	childtracking / dev	node-red-qxyfw-2022--cloudant-1665407523133-92729	node-red-qxyfw-2022-10-10.mybluemix.net	Started

```
node-red
C:\Users\dayaa>node-red
19 Nov 13:31:39 - [info]

Welcome to Node-RED
=====

19 Nov 13:31:39 - [info] Node-RED version: v3.0.2
19 Nov 13:31:39 - [info] Node.js version: v16.15.1
19 Nov 13:31:39 - [info] Windows_NT 10.0.22621 x64 LE
19 Nov 13:31:40 - [info] Loading palette nodes
19 Nov 13:31:43 - [info] Worldmap version 2.31.0
19 Nov 13:31:43 - [info] Dashboard version 3.2.0 started at /ui
19 Nov 13:31:44 - [info] Settings file : C:\Users\dayaa\.node-red\settings.js
19 Nov 13:31:44 - [info] Context store : 'default' [module=memory]
19 Nov 13:31:44 - [info] User directory : \Users\dayaa\.node-red
19 Nov 13:31:44 - [warn] Projects disabled : editorTheme.projects.enabled=false
19 Nov 13:31:44 - [info] Flows file : \Users\dayaa\.node-red\flows.json
19 Nov 13:31:44 - [info] Server now running at http://127.0.0.1:1880/
19 Nov 13:31:44 - [warn]

-----
Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
-----

19 Nov 13:31:44 - [info] Starting flows
19 Nov 13:31:44 - [error] [cloudant out:f49e66b6d9ee6df9] TypeError: Cannot read properties of null (reading 'credentials')
19 Nov 13:31:44 - [info] [ui.worldmap:25f9b49ee8e9d79d] started at /worldmap
19 Nov 13:31:44 - [info] Started flows
19 Nov 13:32:44 - [error] [http request:ac14a0ef72baa8a7] No url specified
19 Nov 13:32:45 - [error] [e-mail:daya@student.tce.edu] Error: Mail command failed: 530-5.7.0 Authentication Required. Learn more at
530 5.7.0 https://support.google.com/mail/?p=WantAuthError lt21-20828a17890b355580b08285fafa6768sm6721745pbj.6 - gsmtpt
```

