

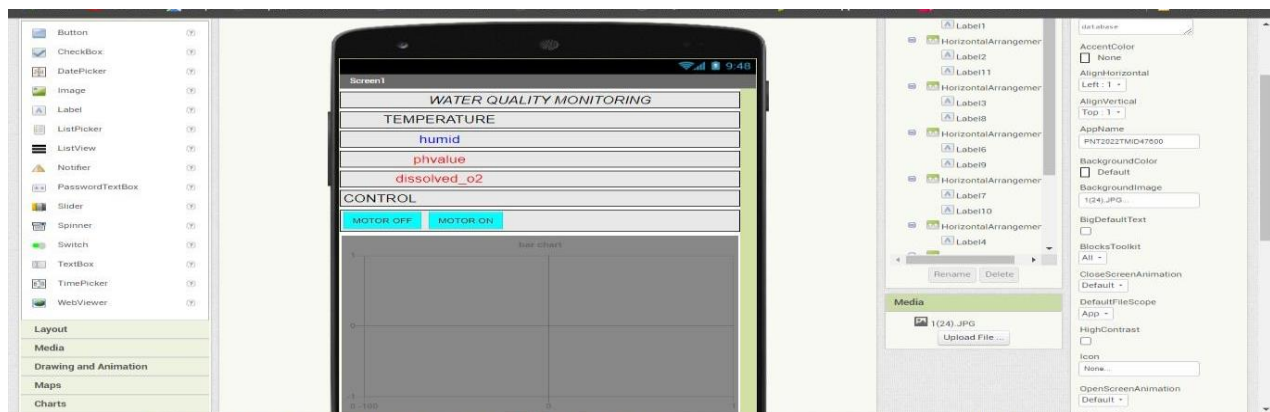
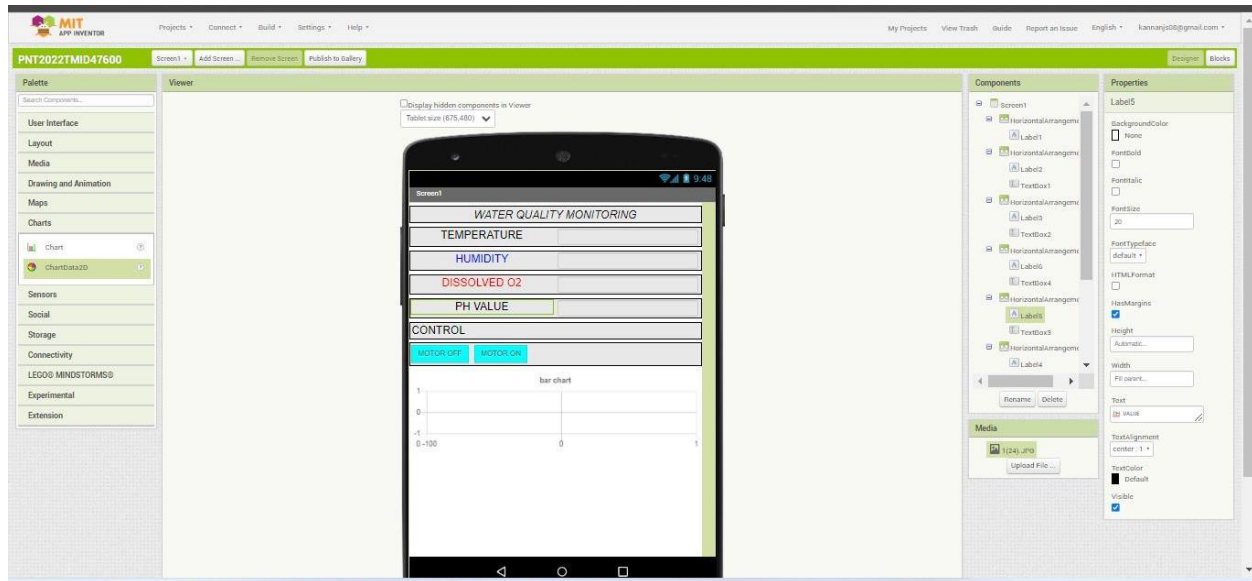
SPRINT 4

PROJECT DISPLAY TURBABILITY AND PH VALUES REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM

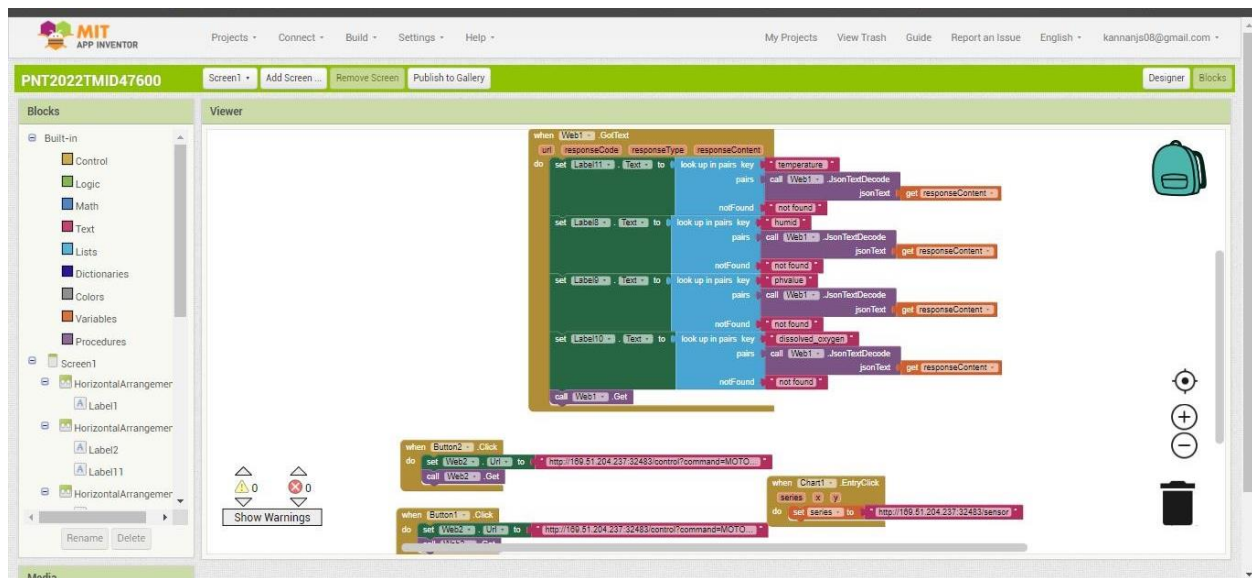
TEAM ID

PNT2022TMID46026

Design the UI to display the water turbability ,PH values, Temperature, Humidityand dissolved oxygen content in the water using MIT app inverter



MIT APP BACKEND NODES FOR GETTING VALUES FROM NODE-RED



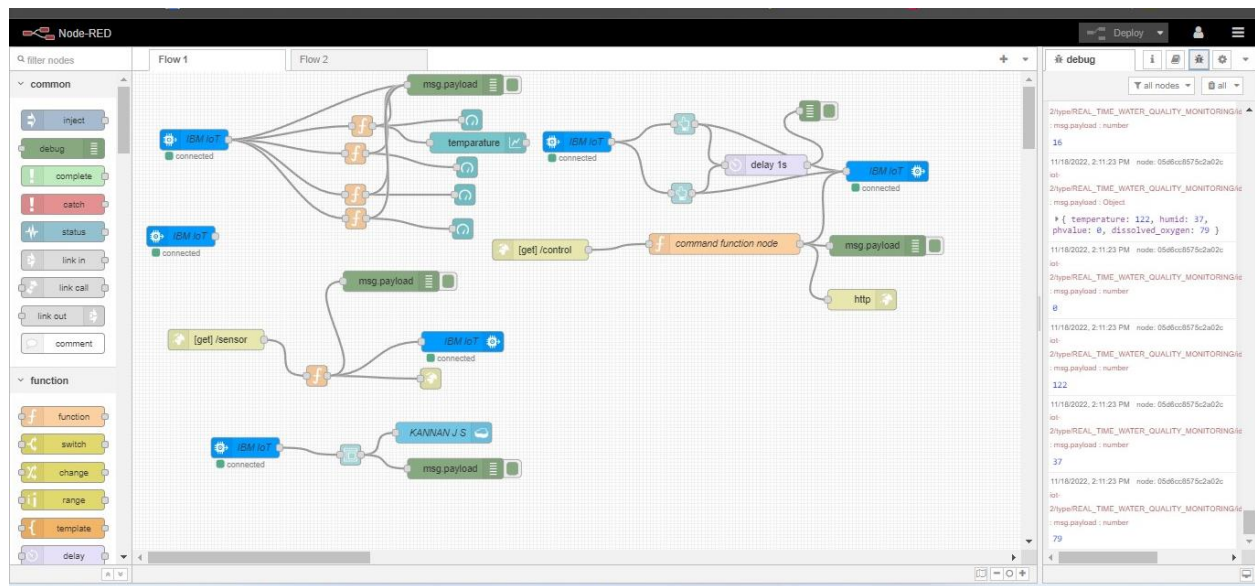
PUBLISHING DATA TO THE IBM CLOUD USING PYTHON

```

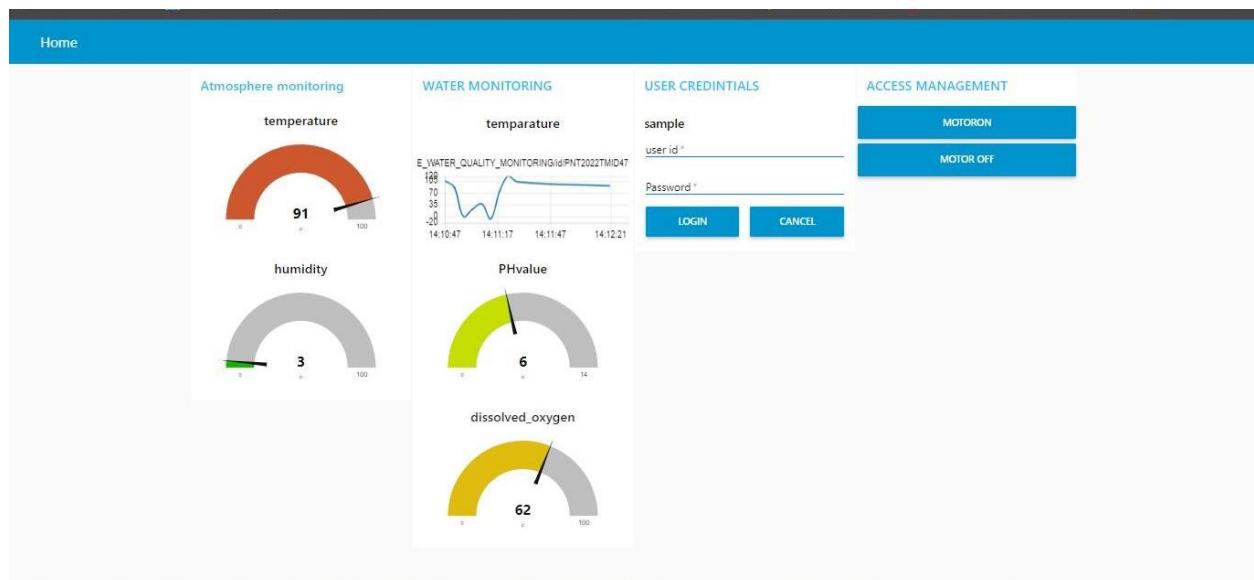
C:\Windows\py.exe
2022-11-18 14:09:00,921 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:egfbco:REAL_TIME_WATER_QUALITY_MONITORING:PNT2022TMID47600
Published data Successfully: %s {'temperature': 8, 'humid': 31, 'phvalue': 1, 'dissolved_oxygen': 85}
Published data Successfully: %s {'temperature': 76, 'humid': 76, 'phvalue': 10, 'dissolved_oxygen': 26}
Published data Successfully: %s {'temperature': -13, 'humid': 80, 'phvalue': 14, 'dissolved_oxygen': 74}
Published data Successfully: %s {'temperature': 72, 'humid': 74, 'phvalue': 7, 'dissolved_oxygen': 79}
Published data Successfully: %s {'temperature': 125, 'humid': 77, 'phvalue': 2, 'dissolved_oxygen': 39}
Published data Successfully: %s {'temperature': 14, 'humid': 78, 'phvalue': 3, 'dissolved_oxygen': 5}
Published data Successfully: %s {'temperature': 36, 'humid': 74, 'phvalue': 6, 'dissolved_oxygen': 92}
Published data Successfully: %s {'temperature': 89, 'humid': 43, 'phvalue': 14, 'dissolved_oxygen': 90}
Published data Successfully: %s {'temperature': 25, 'humid': 86, 'phvalue': 14, 'dissolved_oxygen': 83}

```

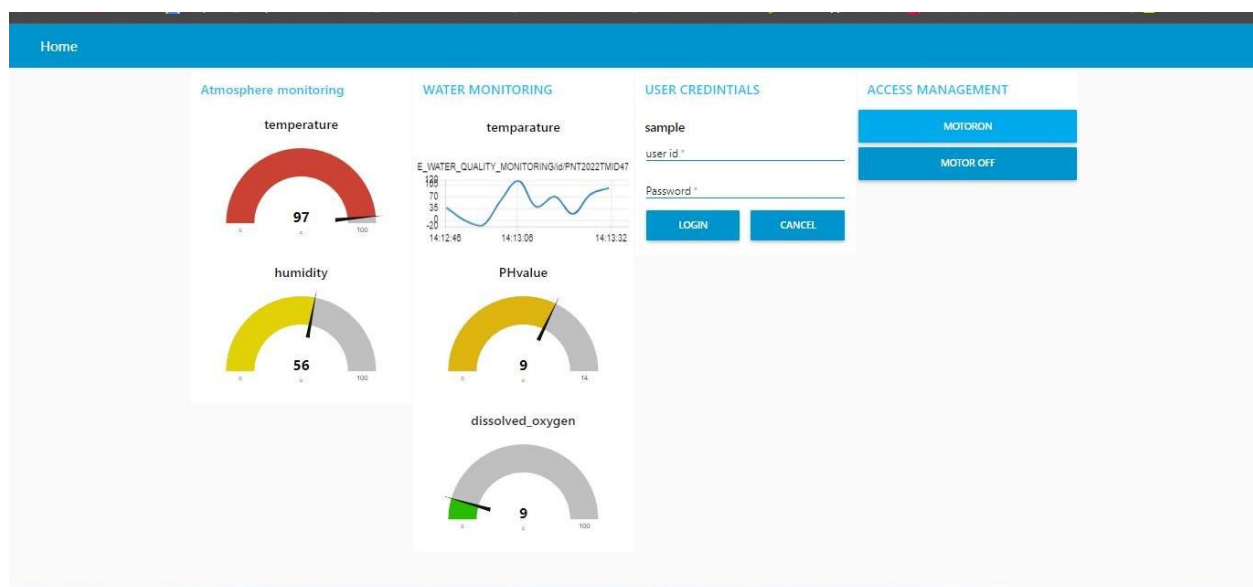
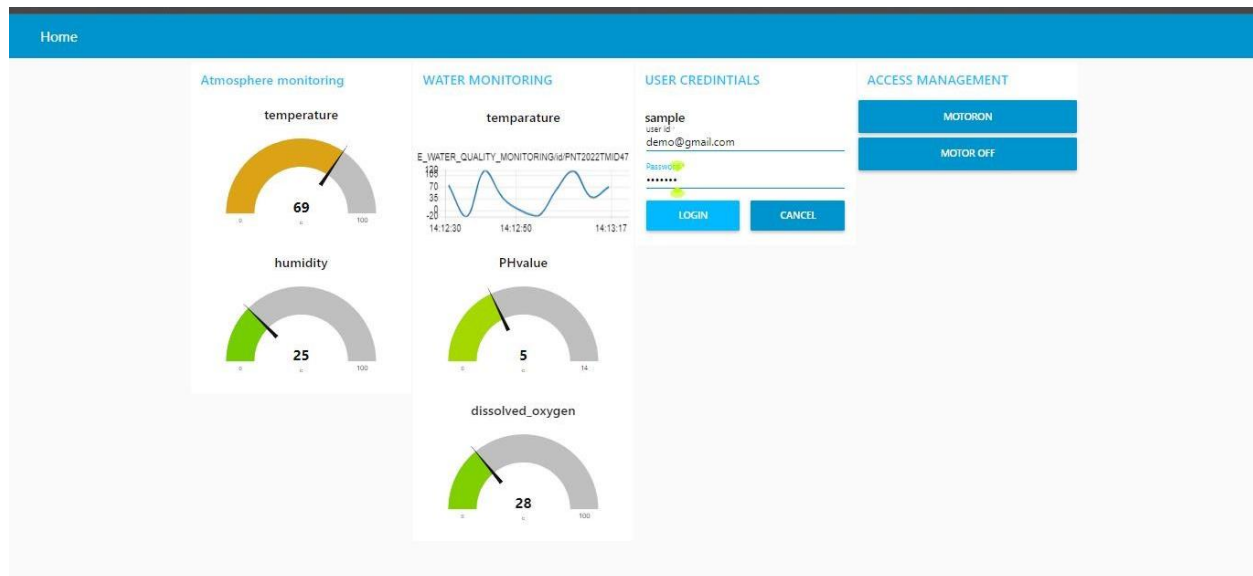
NODE-RED DASH BOARDS WITH IBM DEVICE CONNECTED AND ALSO GETTING VALES FROM PYTHON



USER CREDINTIALS IN THE WEB UI USING NODE-RED



USER INFORMATION COLLETION IN THE WEB UI



STORING THE USER DETAILS IN THE CLOUD USING THE CLOUDANT DATABASE

Database name

Create Database

{ } JSON

Databases

Your Databases

Name	Size	# of Docs	Partitioned	Actions
nodered	37.3 KB	4	No	<div></div> <div></div> <div></div>
sample	214 bytes	2	No	<div></div> <div></div> <div></div>

Showing 1-2 of 2 databases.

Databases per page

20

« 1 »

GETTING TH USER DETAILS DIRECTLY IN THE WEB-UI

sample

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

Create Document

id "04b93207e1746aede16d3e01d9546870"

```
{
  "id": "04b93207e1746aede16d3e01d9546870",
  "key": "04b93207e1746aede16d3e01d9546870",
  "value": {
    "rev": "1-9581cd53360617e929ef9310420e0eb"
  },
  "doc": {
    "_id": "04b93207e1746aede16d3e01d9546870",
    "_rev": "1-9581cd53360617e929ef9310420e0eb",
    "payload": {
      "user id": "demo@gmail.com",
      "password": "demo123"
    },
    "socketid": "Aa0xu3JE0c-ym-dHAACV"
  }
}
```

id "ddbdae0a21c60a356c61bee84fa25d"

Showing document 1 - 2.

Documents per page:

20

« »

USER REGISTRATION FORM FOR NEW REGISTRATION

user credentials Firstname

Middlename:

Lastname:

project domain internet of things

Gender :

- ☐ Male
☐ Female
☐ Prefer not to say

contact details : +91

Address

Email:

Password:

Re-type password:

project domain internet of things

Gender :

- ☐ Male
☐ Female
☐ Prefer not to say

contact details : +91

Address

Email:

Password:

Re-type password:

alternate contact details +91

alternate email id

USER LOGIN CREDENTIALS WEBPAGE

Real time water quality monitoring system

Modal Login Form

Login

Real time water quality monitoring system

Modal Login Form

Login

Username	<input type="text" value="Enter Username"/>	Password	<input type="text" value="Enter Password"/>	<input type="text" value="<123gh@>"/>	<input type="button" value="Login"/>	<input checked="" type="checkbox"/>
Remember me						
<input type="button" value="Cancel"/>					Forgot password?	