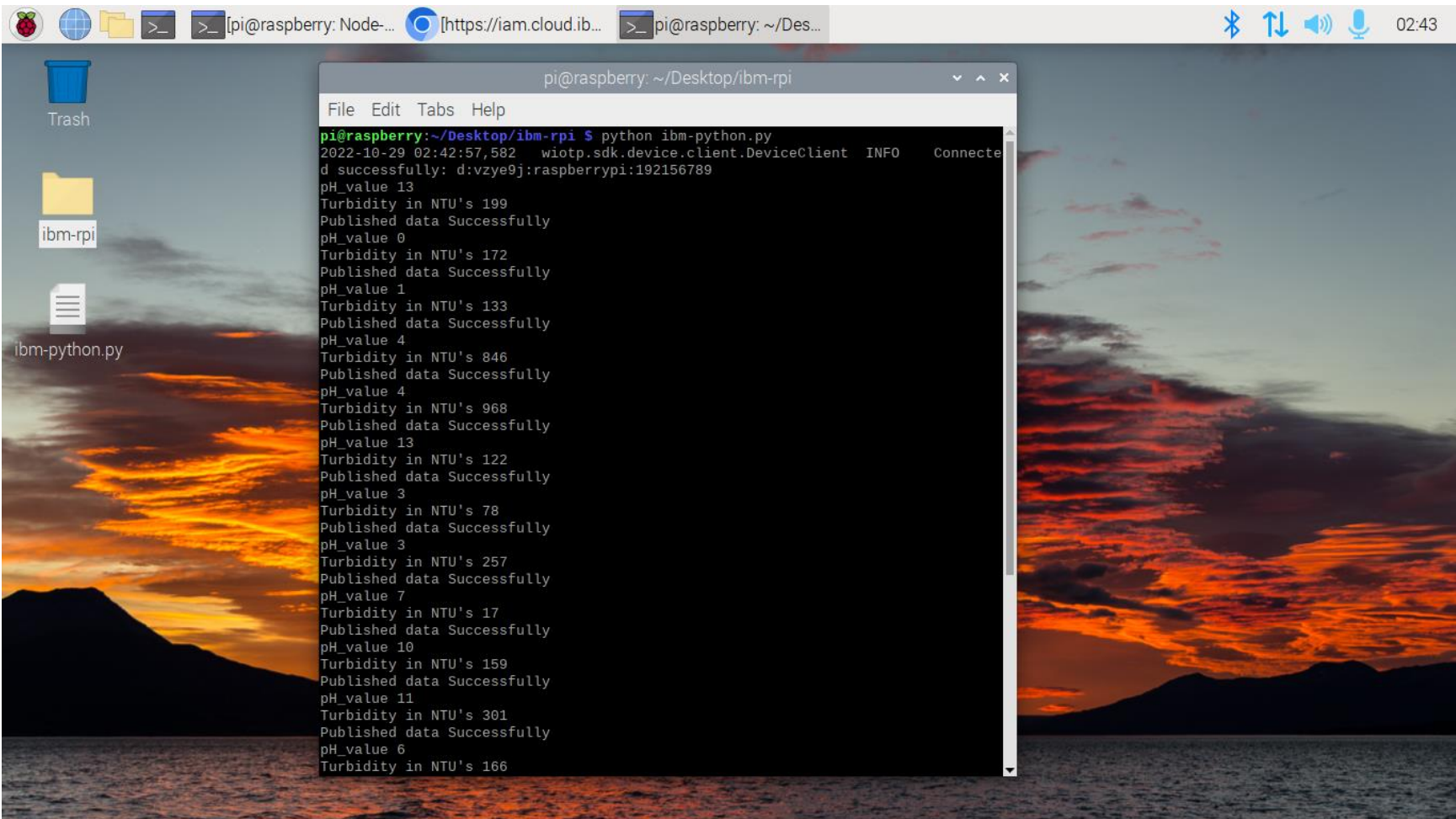


## **Develop A Web Application Using Node-Red Services**

Create An HTTP Requests To Communicate With Mobile App

<b>DATE</b>	<b>15 Nov. 22</b>
<b>TEAM ID</b>	<b>PNT2022TMID40953</b>
<b>PROJECT NAME</b>	<b>REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM</b>
<b>MAXIMM MARK</b>	<b>4 MARKS</b>
<b>DATE</b>	<b>15 Nov. 22</b>





Browse

Action

Device Types

Interfaces

Add Device +



Device ID

Status

Device Type

Class ID

Date Added



192156789

Connected

raspberrypi

Device

Oct 28, 2022 9:50 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
Turbidity in N...	{"Turbidity":975}	json	a few seconds ago
pH_value	{"pH_value":13}	json	a few seconds ago
Turbidity in N...	{"Turbidity":119}	json	a few seconds ago
pH_value	{"pH_value":4}	json	a few seconds ago
Turbidity in N...	{"Turbidity":233}	json	a few seconds ago

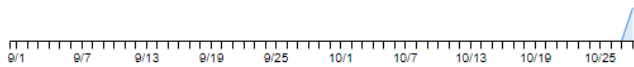


## USAGE OVERVIEW-1

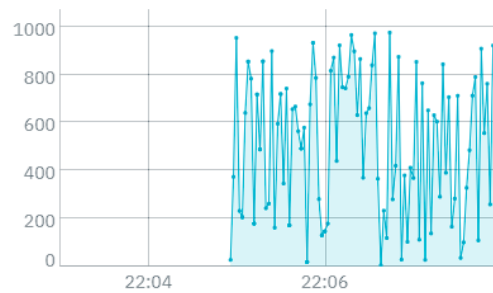


+ Add New Card

Settings



Turbidity chart

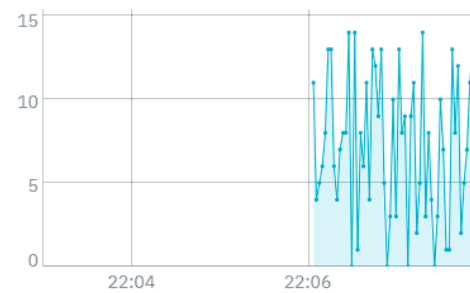


5 minutes ▾

● Turbidity

now

pH\_value chart



5 minutes ▾

● pH\_value

now

pi@raspberry: Node-...

https://iam.cloud.ibm...

pi@raspberry: ~/Des...

02:52

Node-RED : Chromium

Node-RED : Node-RED Dashboard : Cloudant Dashboard : +

Not secure | /#flow/bc5d53ab3a2cf642

Node-RED

Deploy

gauge

gauge

Flow 1

Flow 2

IBM IoT

connected

debug 1

connected

nodered

connected

debug

all nodes

all

10/29/2022, 2:43:26 AM node: debug 2

iot-2/type/raspberrypi/id/192156789/evt/Turbidity in

NTU's/fmt/json : msg.payload : Object

{ Turbidity: 846 }

10/29/2022, 2:43:27 AM node: debug 2

iot-2/type/raspberrypi/id/192156789/evt/Turbidity in

NTU's/fmt/json : msg.payload : undefined

undefined

10/29/2022, 2:43:28 AM node: debug 2

iot-2/type/raspberrypi/id/192156789/evt/Turbidity in

NTU's/fmt/json : msg.payload : number

846

10/29/2022, 2:43:29 AM node: debug 1

iot-2/type/raspberrypi/id/192156789/evt/pH\_value/fmt/json :

msg.payload : Object

{ pH\_value: 4 }

10/29/2022, 2:43:30 AM node: debug 2

iot-2/type/raspberrypi/id/192156789/evt/pH\_value/fmt/json :

msg.payload : Object

{ pH\_value: 4 }

10/29/2022, 2:43:31 AM node: debug 2

Node-RED :

Node-RED Dashboard

Cloudant Dashboard

5170ef9a-0044-4697-b1e0-9b4b37b9571a-bluemix.cloudant.com/dashboard.html#database/nodered/\_all\_docs

Document IDOptions{ } JSON

nodered

All Documents

Query

Permissions

Changes

Design Documents

Log Out

TableMetadata{ } JSON

Create Document

	id	key	value
<input type="checkbox"/>	0041cd6e575a9417be4b35c98a093...	0041cd6e575a9417be4b35c98a093...	{ "rev": "1-b58d89f797e42edf2a6aac...
<input type="checkbox"/>	0041cd6e575a9417be4b35c98a23d...	0041cd6e575a9417be4b35c98a23d...	{ "rev": "1-07a07ac191ac57355860...
<input type="checkbox"/>	078c663948cd5c306e92372ebaa99...	078c663948cd5c306e92372ebaa99...	{ "rev": "1-8f29770ed63edf49b948c...
<input type="checkbox"/>	078c663948cd5c306e92372ebaa9f...	078c663948cd5c306e92372ebaa9f...	{ "rev": "1-f31197433bd81edd53830...
<input type="checkbox"/>	078c663948cd5c306e92372ebaaa9...	078c663948cd5c306e92372ebaaa9...	{ "rev": "1-d34d1496250bf92b1a1ae...
<input type="checkbox"/>	078c663948cd5c306e92372ebaaab...	078c663948cd5c306e92372ebaaab...	{ "rev": "1-771aed0ae099f5b399d82...
<input type="checkbox"/>	078c663948cd5c306e92372ebaac2...	078c663948cd5c306e92372ebaac2...	{ "rev": "1-8f29770ed63edf49b948c...
<input type="checkbox"/>	078c663948cd5c306e92372ebac06...	078c663948cd5c306e92372ebac06...	{ "rev": "1-0a061d6392bd0a7b8528...
<input type="checkbox"/>	078c663948cd5c306e92372ebad9b...	078c663948cd5c306e92372ebad9b...	{ "rev": "1-5f8133d9028a7a962c4c3...
<input type="checkbox"/>	078c663948cd5c306e92372ebad9b...	078c663948cd5c306e92372ebad9b...	{ "rev": "1-2af9a011eae3e52b88697...

Showing document 1 - 100. Documents per page: 100