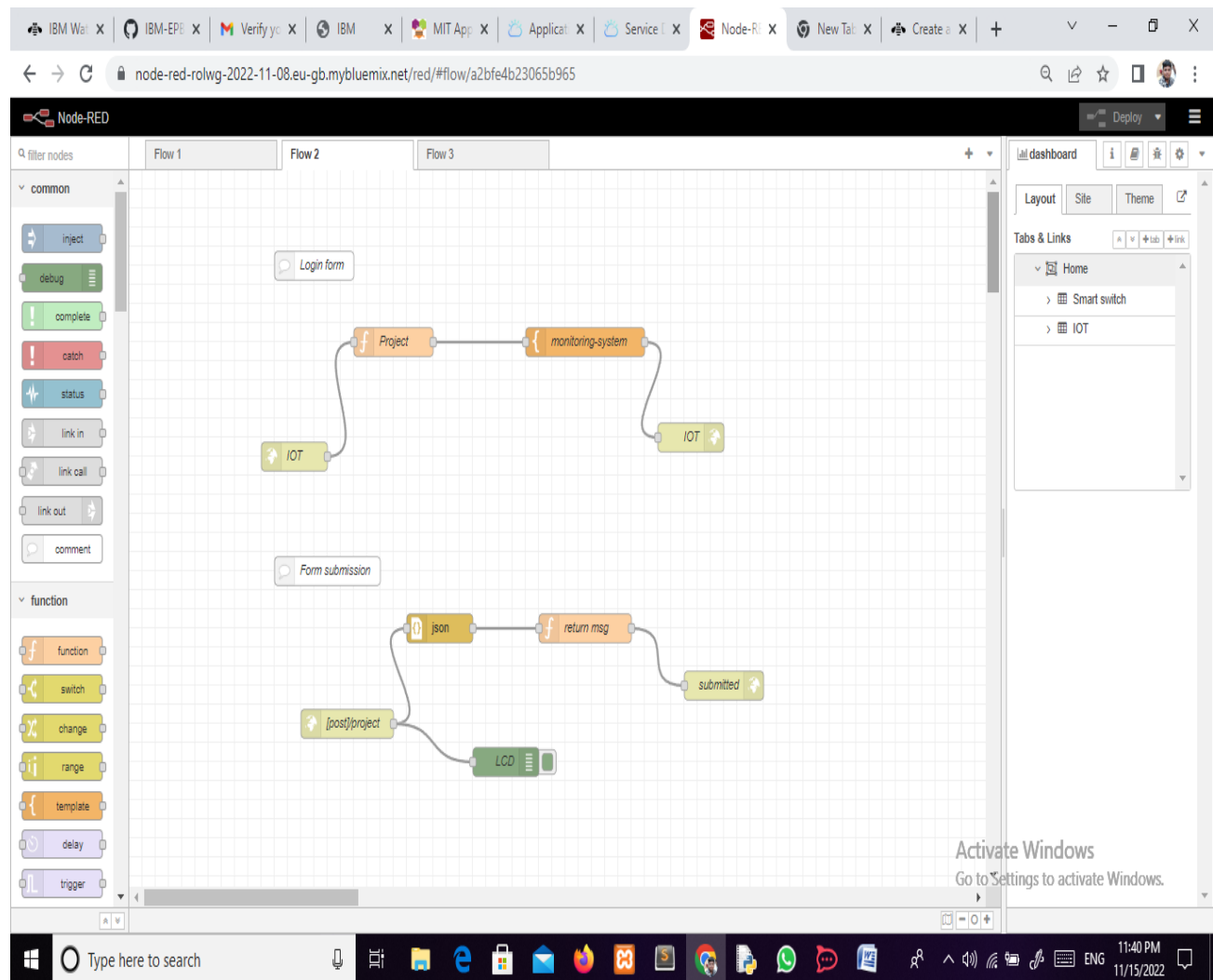


# Develop a Web Application using Node-RED

Team ID	PNT2022TMID44989
Project Name	Real-Time River Water Quality Monitoring and Control System

**To create the web Application using Node-RED for registration:**



**Workflow Diagram**

node-red-rolwg-2022-11-08.eu-gb.mybluemix.net/red/#flow/a2bfe4b23065b965

Node-RED

Flow 1 Flow 2 Flow 3

filter nodes

OpenWhisk

network

mqtt in

mqtt out

http in

http response

http request

websocket in

websocket out

tcp in

tcp out

tcp request

udp in

udp out

input

format in

Project

monitoring-system

IOT

Form submission

json

return msg

post/project

LCD

Edit http in node

Method GET

URL /monitor

Name IOT

dashboard

Layout Site Theme

Home

Smart switch

IOT

Activate Windows  
Go to Settings to activate Windows.

Type here to search

11:55 PM 11/15/2022

node-red-rolwg-2022-11-08.eu-gb.mybluemix.net/red/#flow/a2bfe4b23065b965

Node-RED

Flow 1 Flow 2 Flow 3

filter nodes

OpenWhisk

network

mqtt in

mqtt out

http in

http response

http request

websocket in

websocket out

tcp in

tcp out

tcp request

udp in

udp out

input

format in

Project

monitoring-system

IOT

Form submission

json

return msg

post/project

LCD

Edit function node

Name Project

Setup On Start On Message On Stop

```
1 msg.url="water_monitoring"
2 return msg;
```

dashboard

Layout Site Theme

Home

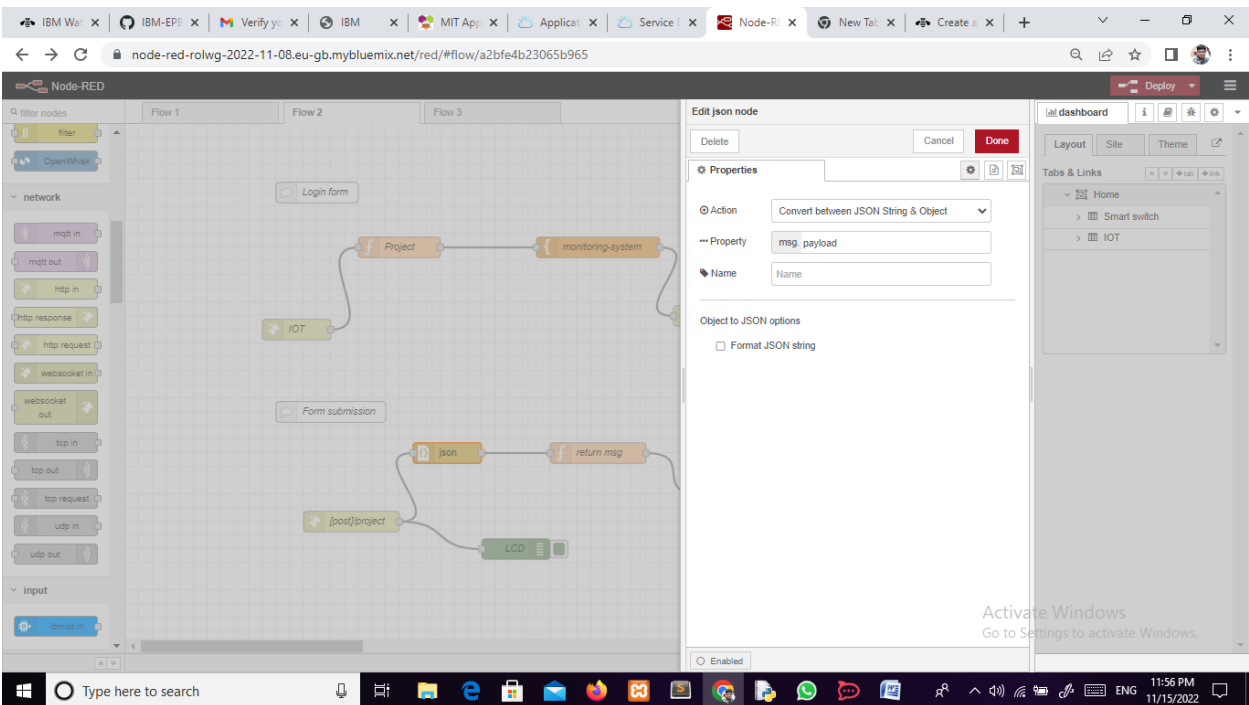
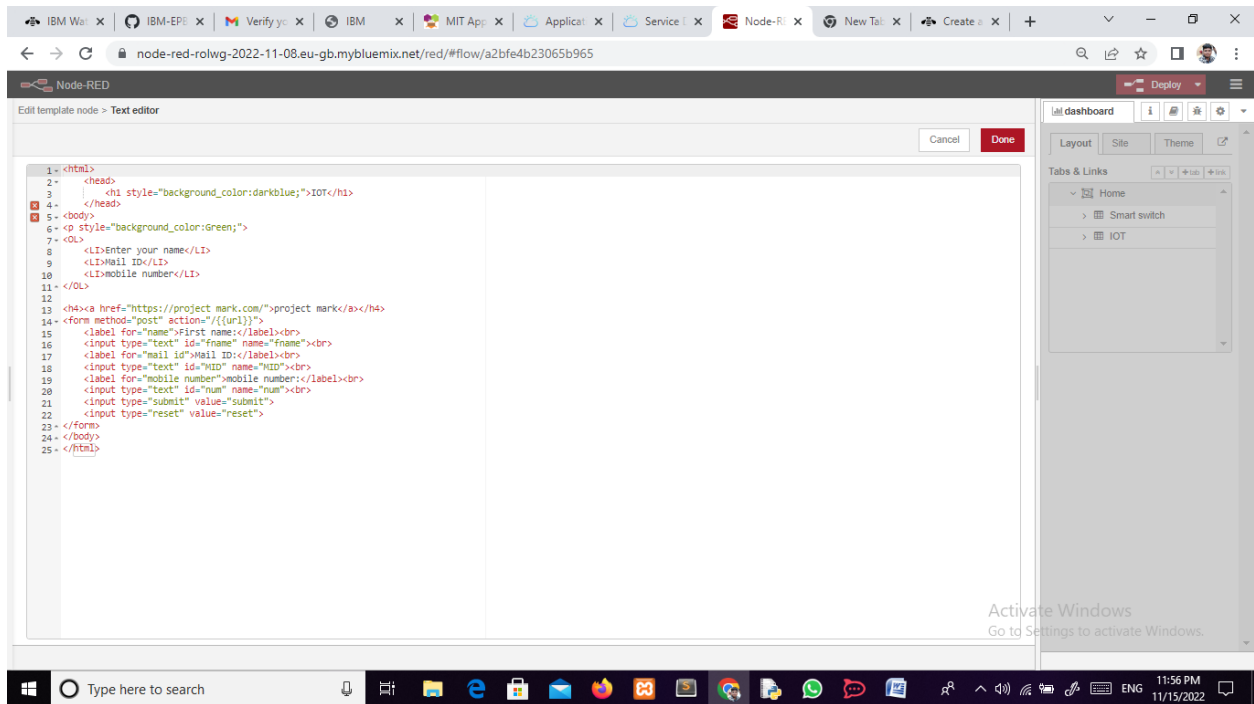
Smart switch

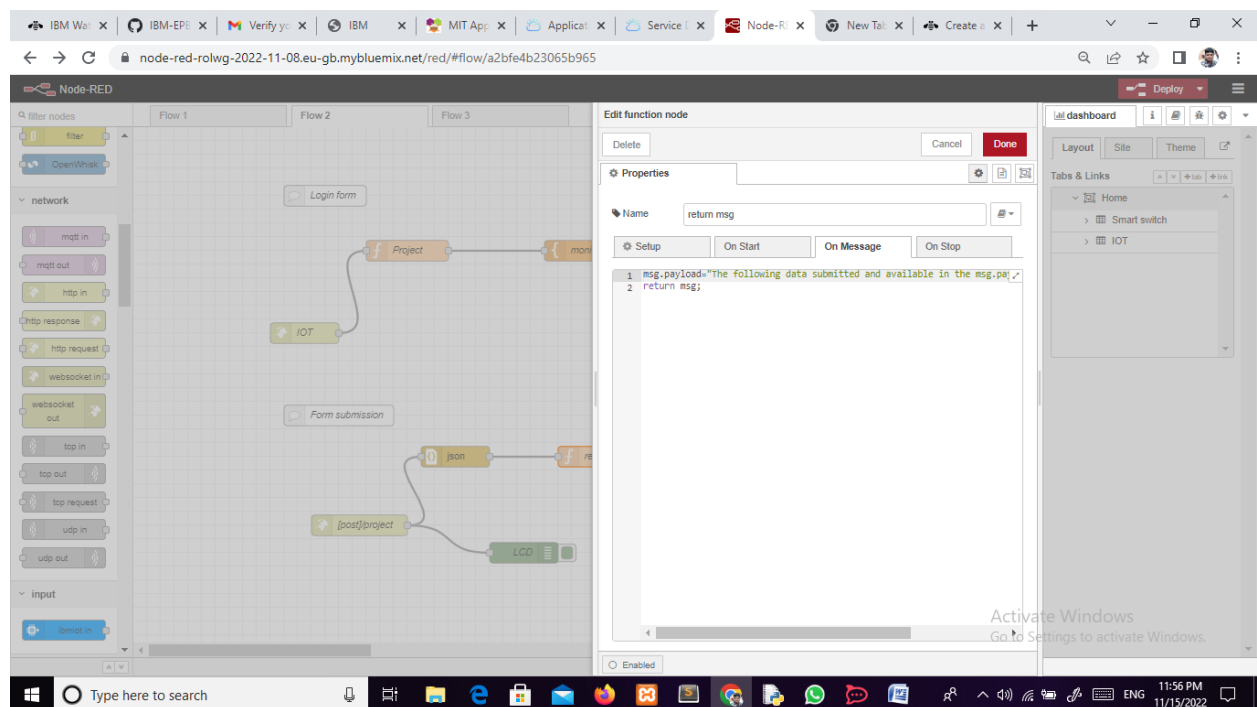
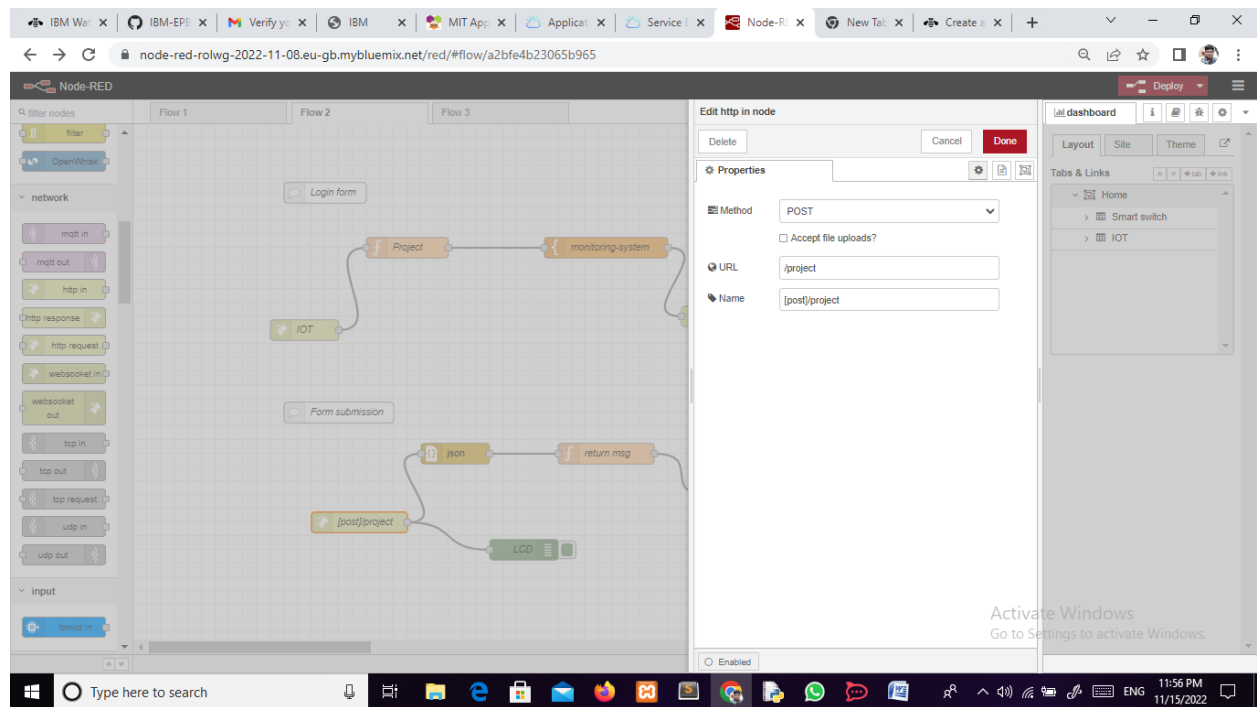
IOT

Activate Windows  
Go to Settings to activate Windows.

Type here to search

11:55 PM 11/15/2022





To use the above web application, put <https://127.0.0.1:1800/IOT> in browser and search.