## Project Development Phase

## Sprint – 3

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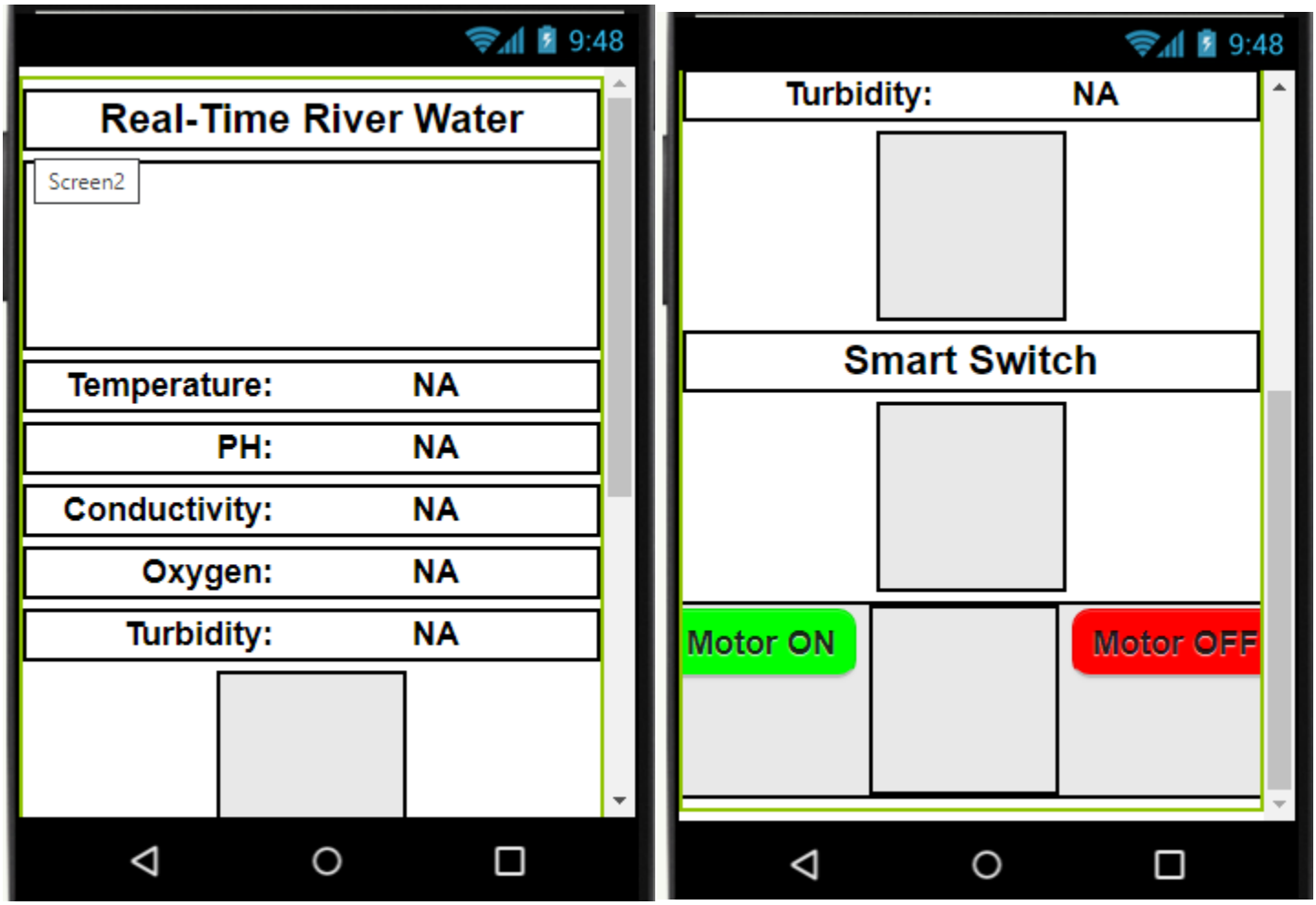
|---|---|
| Date | 13 Nov 2022 |
| Team ID | PNT2022TMID06691 |
| Project Name | Real-Time River Water Quality Monitoring and Control System |
| Maximum Marks | 8 Marks |

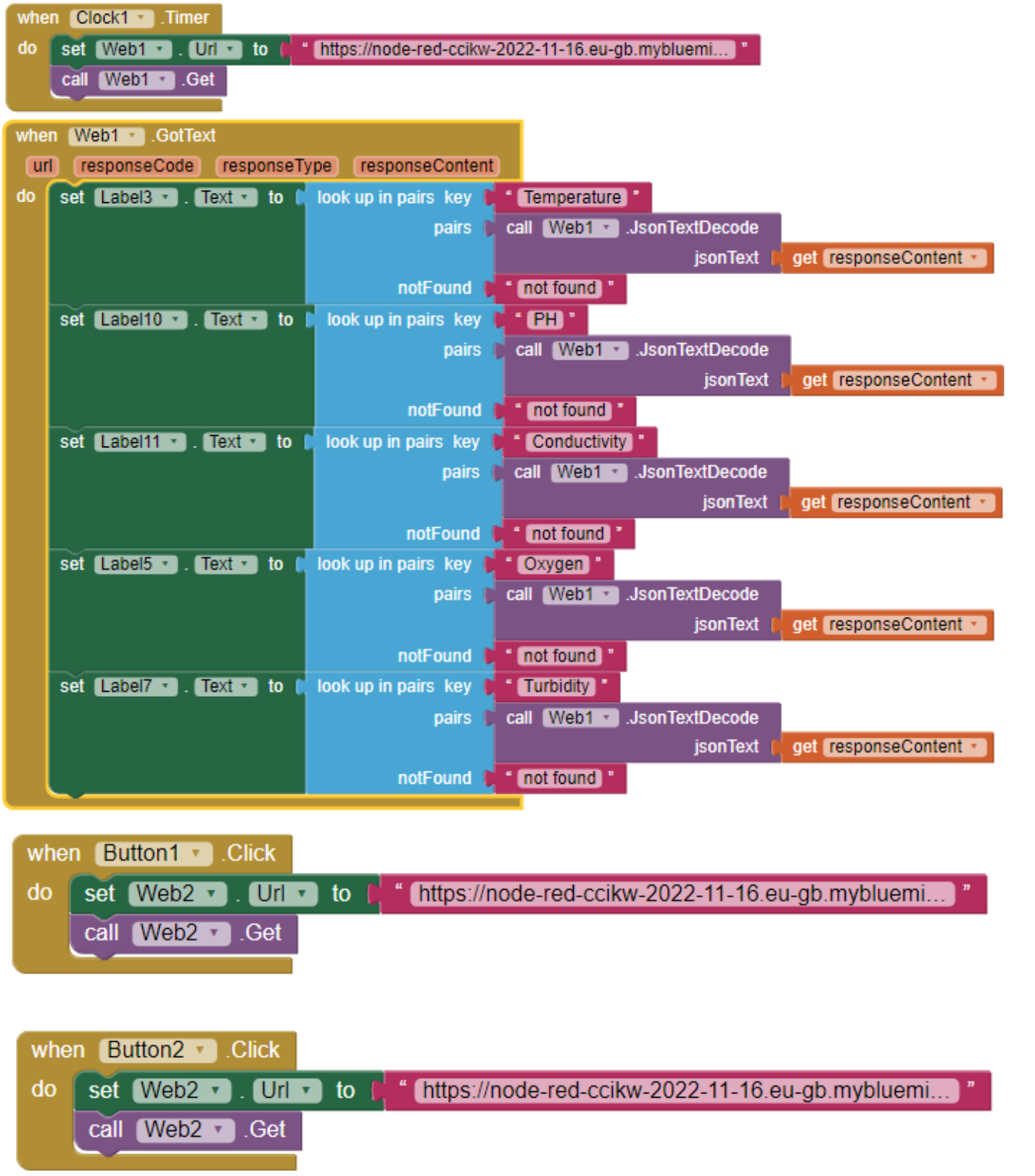
## USN – 8: MIT app inventor (Front end Design)

As a user, I can create the front end design for the application using MIT app Inventor



## USN – 9: MIT app inventor (Back end Design)

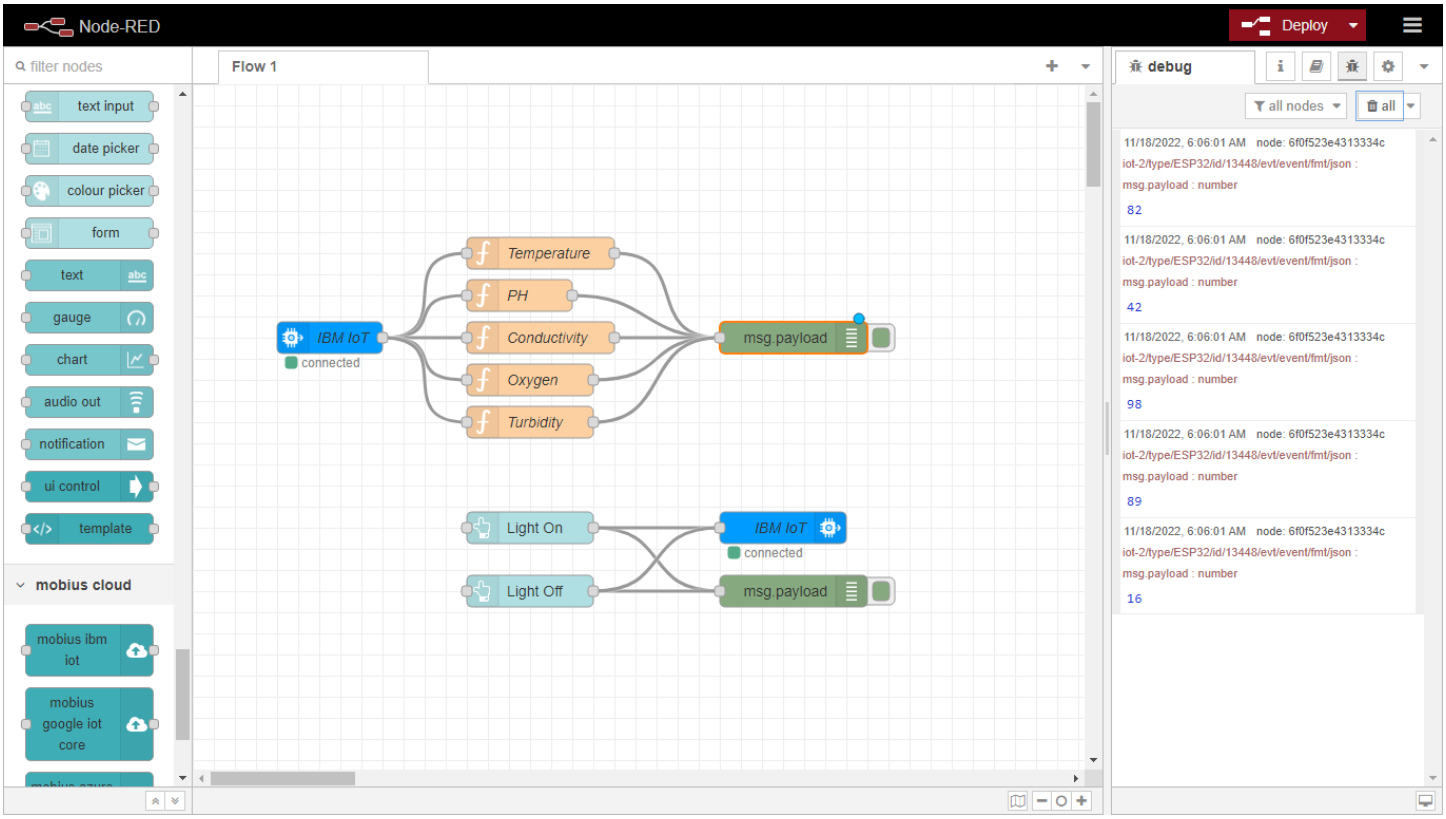
As a user, I can create the back end design for the application using MIT app Inventor



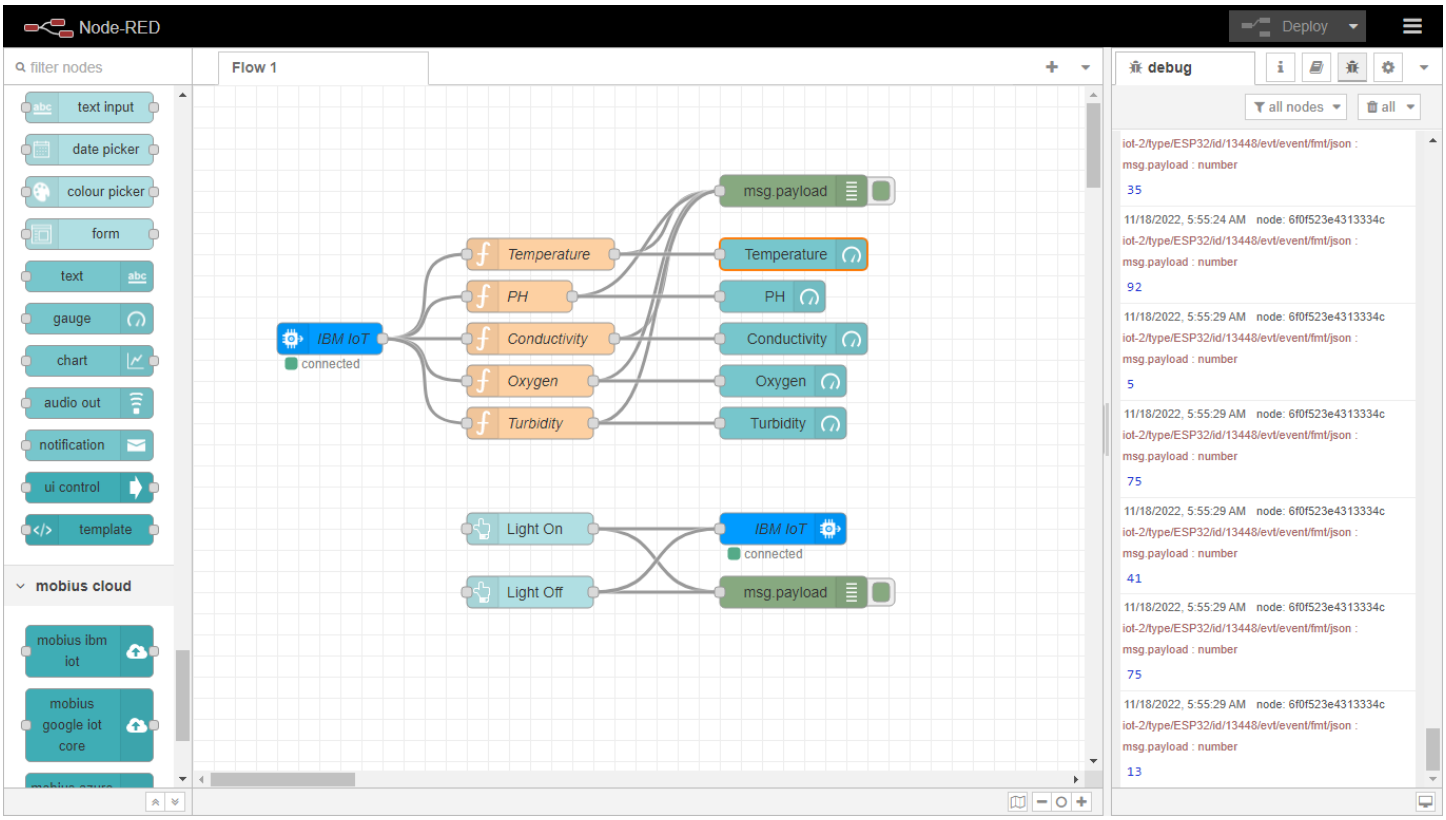
## USN – 10: Create a Web UI using Node-red

As a user, I can create a Web UI, to access the data from the cloud and display all parameters.

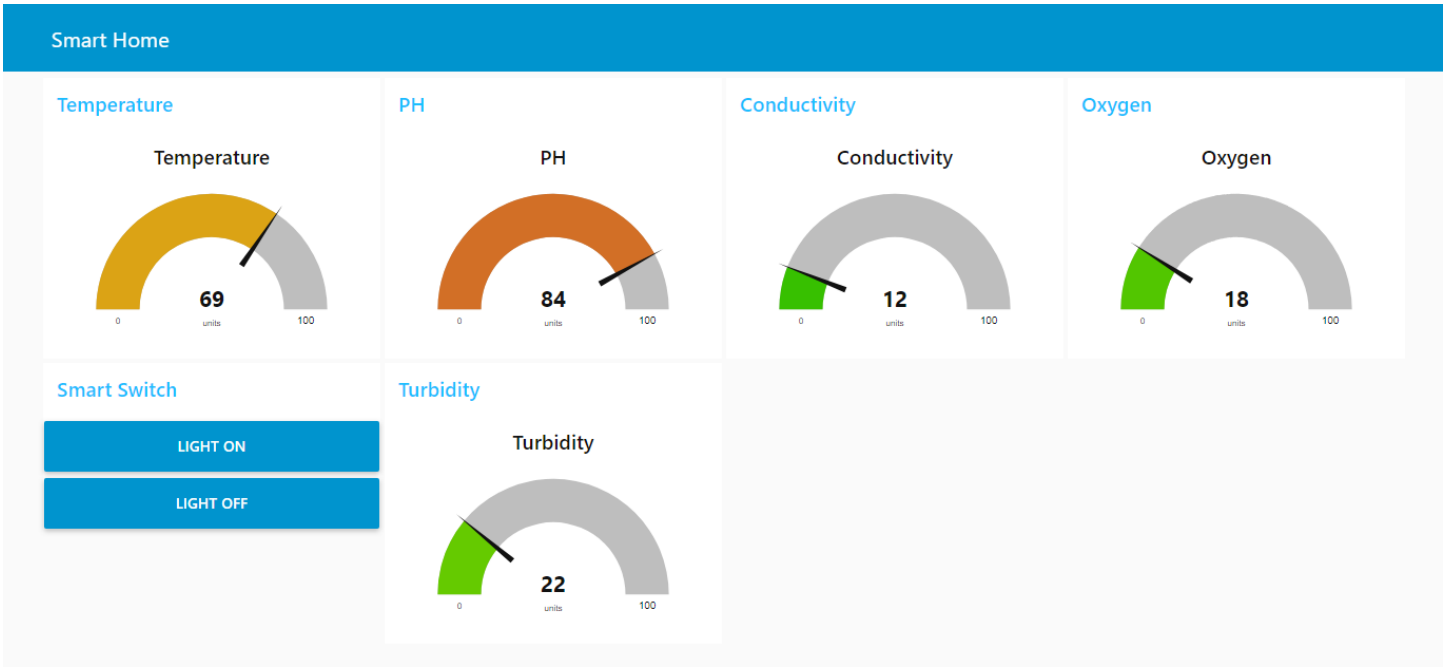
## Creating web application in Node-Red:



# Creating Web UI:



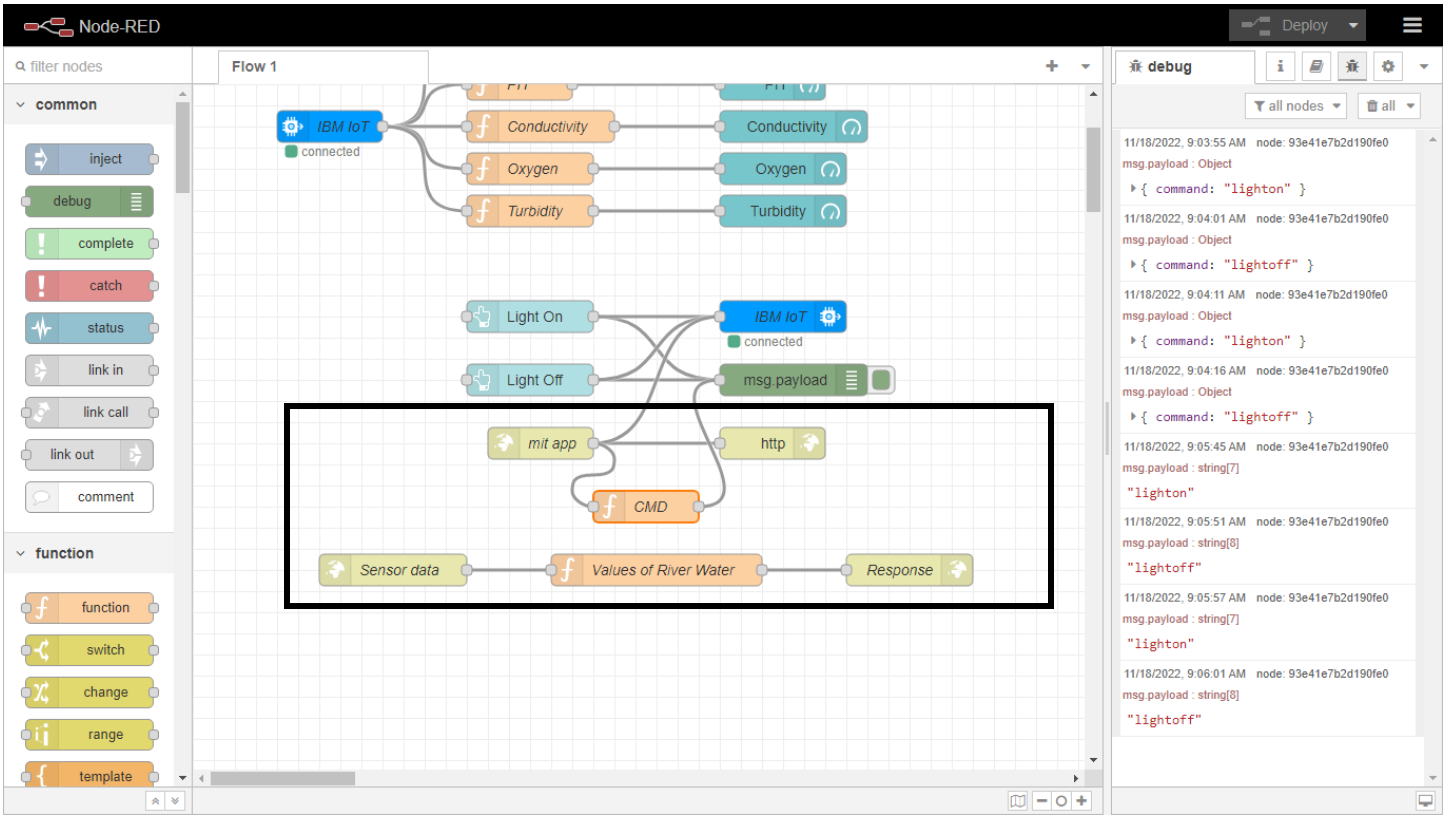

# Web UI Dashboard:



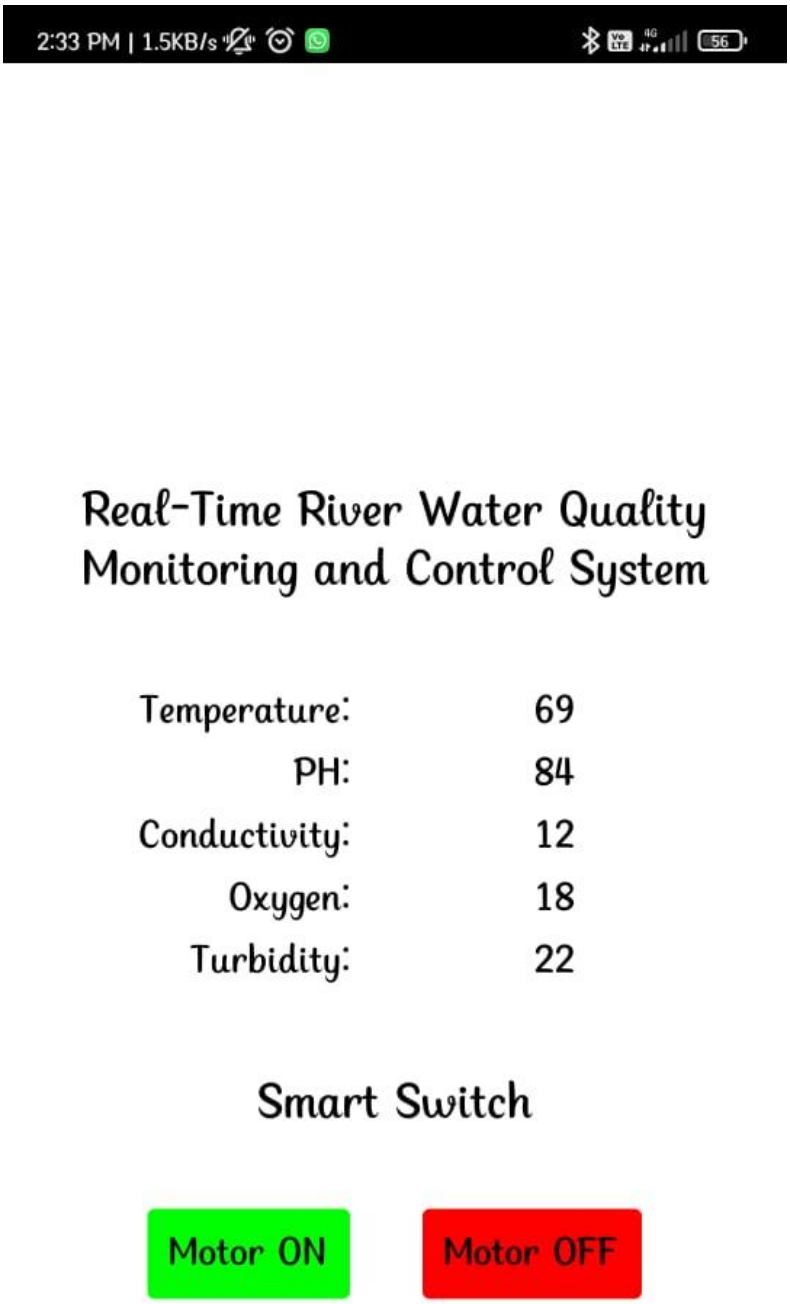
## USN – 11: Connecting Node-red to Mobile Application

As a user, I can connect the node-red to the mobile application to display all the parameters in the mobile app

## Creating HTTP Request:



## Data in Mobile App:



# Command Received in Python Shell when the button is Clicked: