

# CREATE AN HTTP REQUESTS TO COMMUNICATE WITH MOBILE APPLICATION

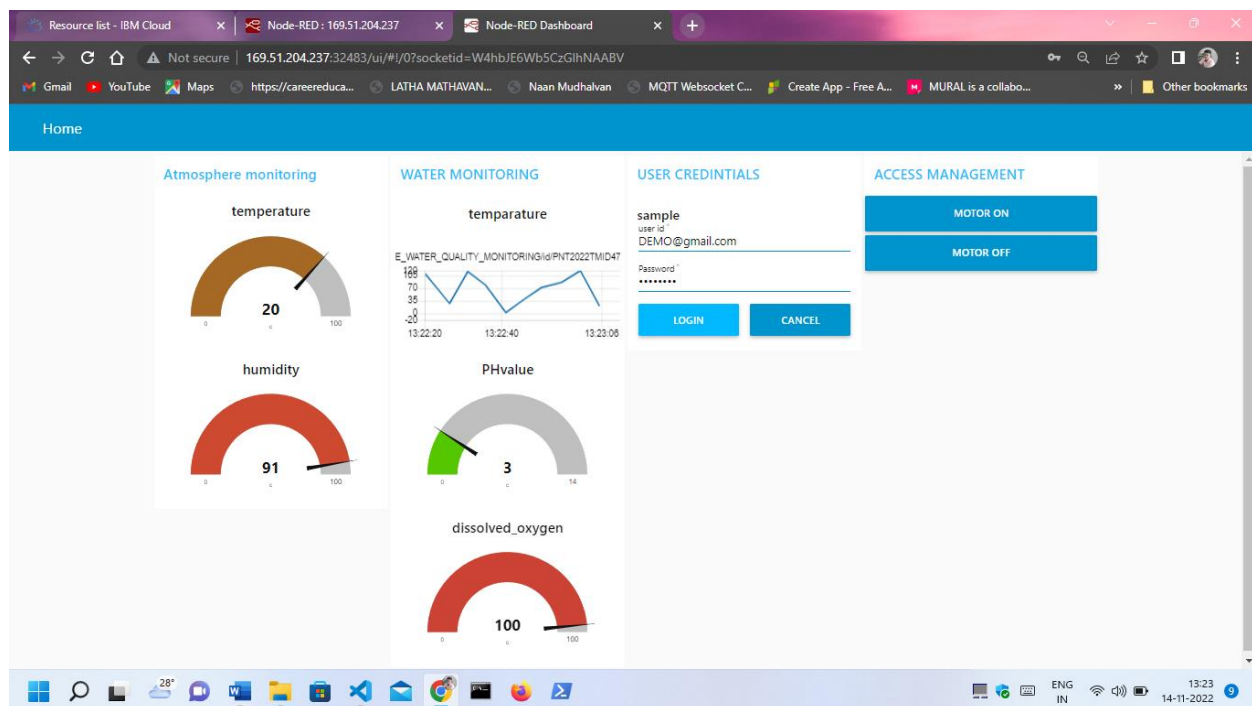
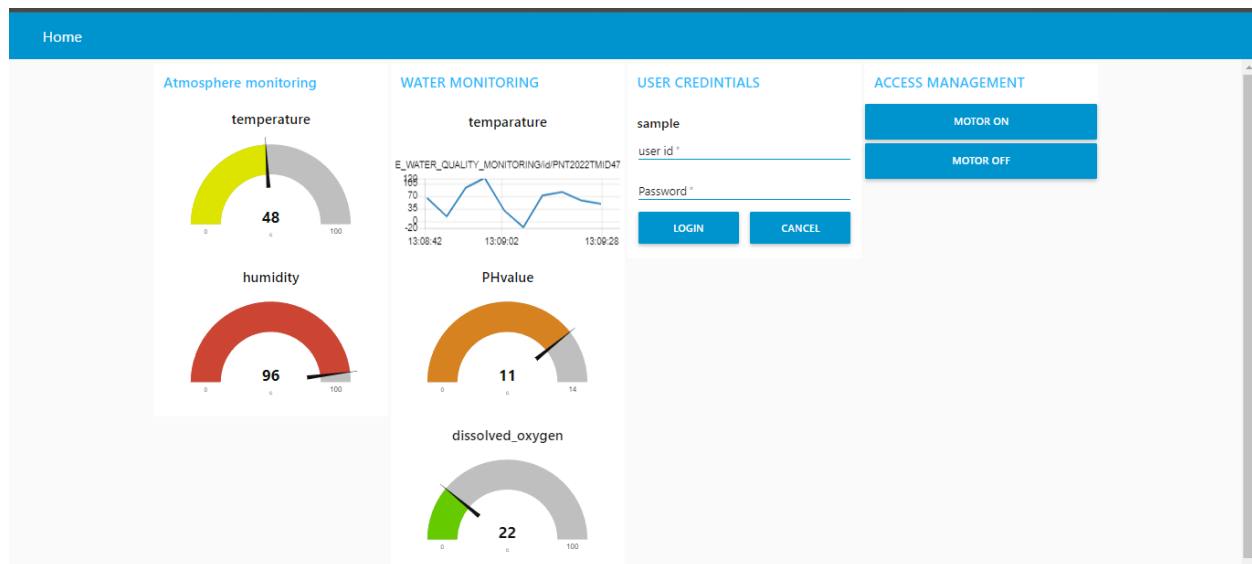
PROJECT

## REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM

TEAM ID

PNT2022TMID47600

Create an HTTP requests to communicate with mobile applications



## HTTP requests from user interface

The screenshot displays the Node-RED web interface in a browser. The top bar shows the URL `169.51.204.237:32483/red/#flow/3ca634803fac0ccb`. The left sidebar contains a 'filter nodes' search bar and two categories of nodes: 'common' (inject, debug, complete, catch, status, link in, link call, link out, comment) and 'function' (function, switch, change, range, template). The main workspace shows 'Flow 1' with two flows. The top flow starts with an 'IBM IoT' node (connected), which branches into five parallel paths, each ending with a 'temperature' node. The bottom flow starts with an 'IBM IoT' node (connected), which connects to a 'msg payload' node, which then connects to a 'KANNAN V S' node. The right sidebar shows the 'debug' console with a list of messages. The messages are as follows:

```
11/14/2022, 1:09:09 PM node: 38494a1741ea57a7
id:
2type:REAL_TIME_WATER_QUALITY_MONITORING
msg.payload: Object
* { command: "MOTOR on" }

11/14/2022, 1:09:10 PM node: ac45ac8800c84a02
id:
2type:REAL_TIME_WATER_QUALITY_MONITORING
msg.payload: Object
* { temperature: 73, humidity: 49,
  phvalue: 1, dissolved_oxygen: 57 }

11/14/2022, 1:09:14 PM node: ac45ac8800c84a02
id:
2type:REAL_TIME_WATER_QUALITY_MONITORING
msg.payload: Object
* { temperature: 81, humidity: 54,
  phvalue: 14, dissolved_oxygen: 82 }

11/14/2022, 1:09:18 PM node: da5b26769f2322
id:
2type:REAL_TIME_WATER_QUALITY_MONITORING
msg.payload: Object
* { command: "MOTOR off" }

11/14/2022, 1:09:19 PM node: ac45ac8800c84a02
id:
2type:REAL_TIME_WATER_QUALITY_MONITORING
msg.payload: Object
* { temperature: 59, humidity: 91,
  phvalue: 13, dissolved_oxygen: 71 }
```