

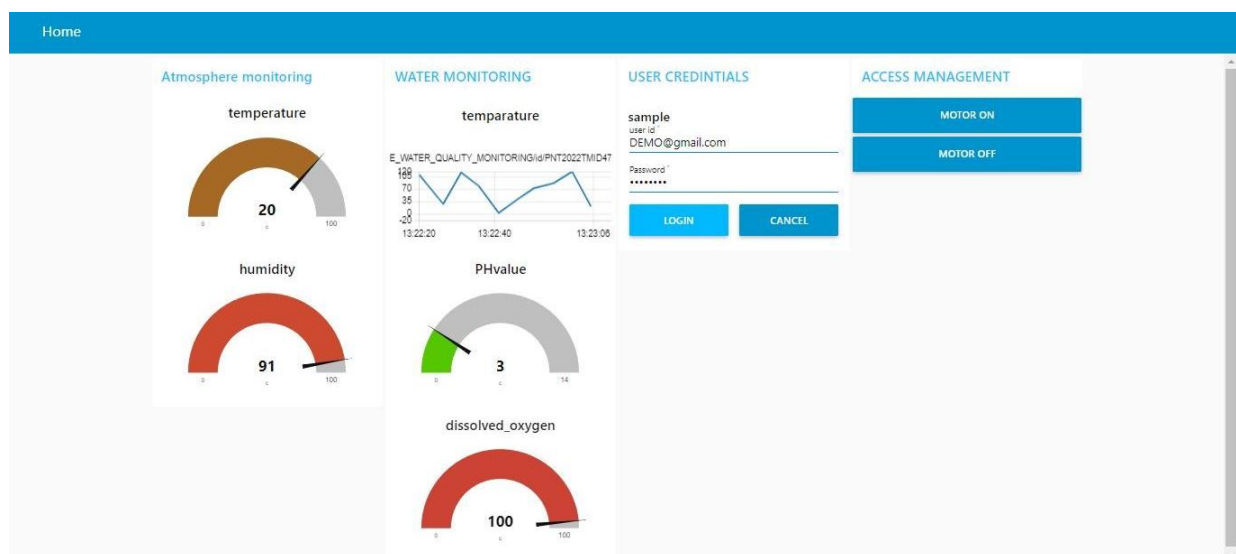
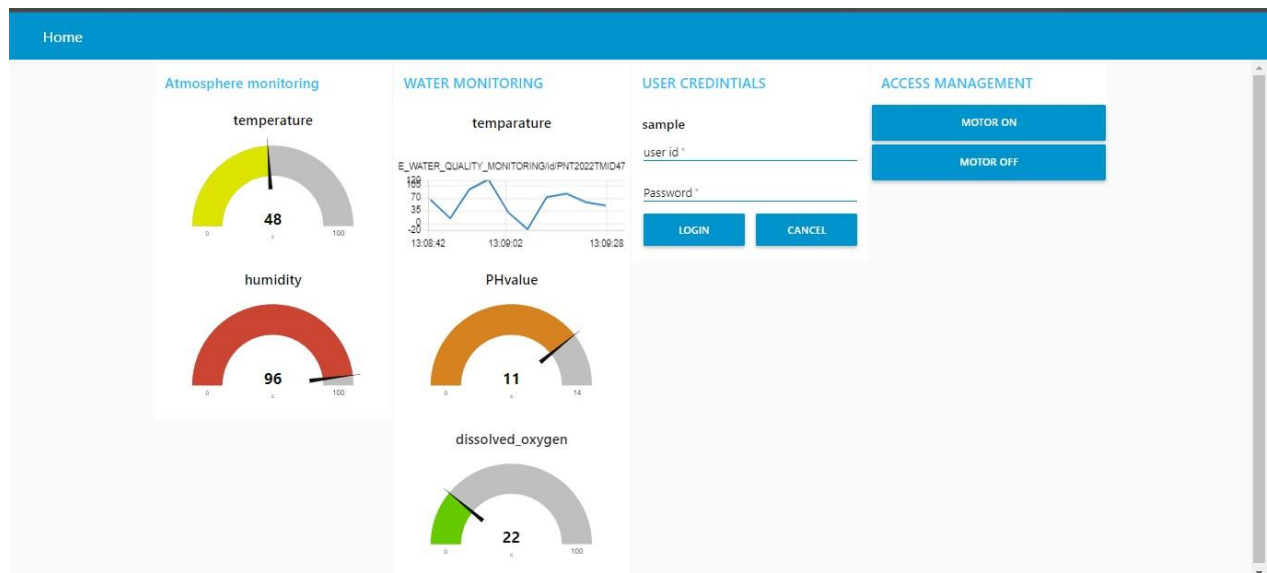
# CREATE AN HTTP REQUESTS TO COMMUNICATE WITH MOBILE APPLICATION

## PROJECT REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM

TEAM ID

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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 navigation bar shows the URL `169.51.204.237/red/#flow/3ca634803fac0ccb`. The left sidebar contains a 'filter nodes' search bar and two categories of nodes: 'common' (including inject, debug, complete, catch, status, link in, link call, link out, and comment) and 'function' (including function, switch, change, range, and template). The main workspace, titled 'Flow 1', shows a flow starting with an 'IBM IoT' node (labeled 'connected'). This node branches into two paths. The upper path consists of five 'function' nodes (orange squares) connected sequentially, followed by a 'temperature' node (blue rectangle). The lower path consists of two 'function' nodes connected sequentially, followed by a 'KANNAN J S' node (blue rectangle). The right sidebar features a 'debug' console showing a log of messages. The messages are JSON objects with the following structure:

```
{
  "time": "11/14/2022, 1:09:06 PM",
  "node": "5945a1714ea57a7",
  "type": "REAL_TIME_WATER_QUALITY_MONITORING",
  "msg": {
    "payload": {
      "temperature": 73,
      "humidity": 49,
      "phvalue": 1,
      "dissolved_oxygen": 57
    }
  }
}
```

The console shows multiple such messages with varying data values. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 13:09 on 14-11-2022.