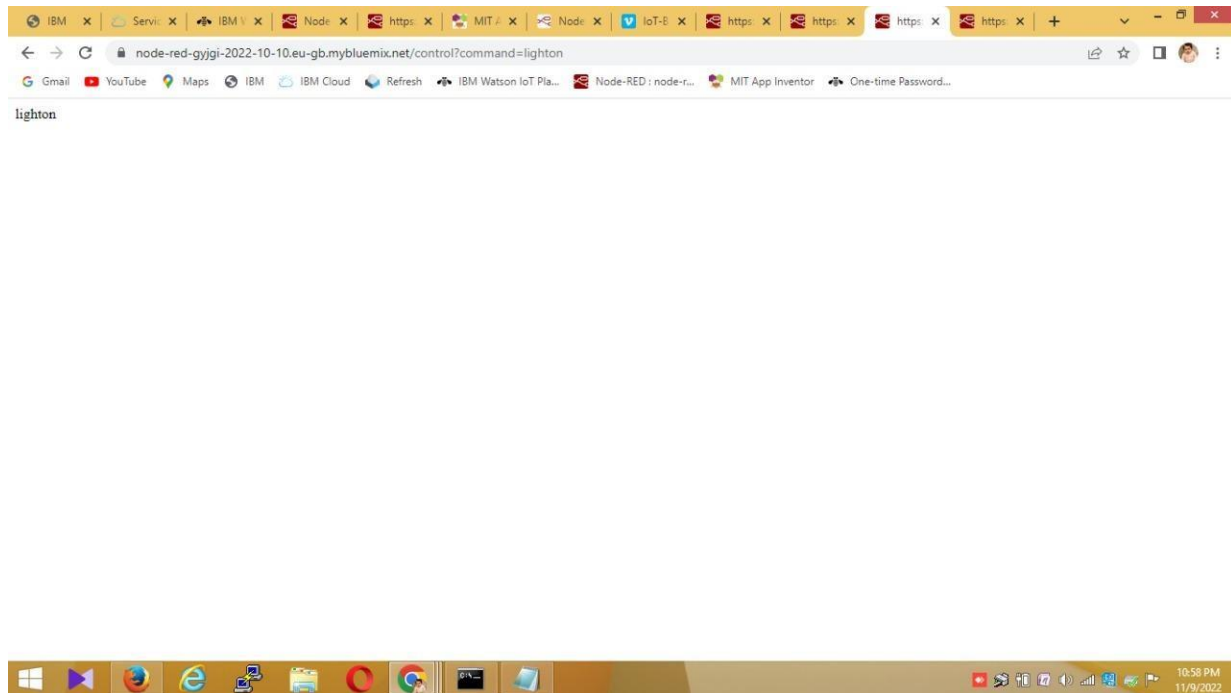
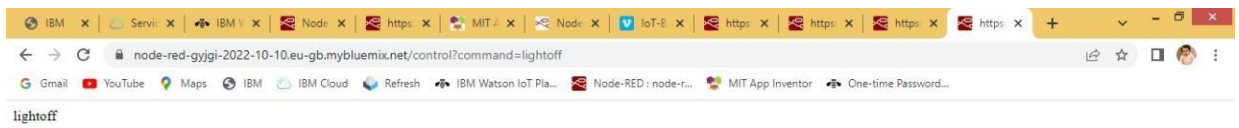


**Team id:** PNT2022TMID05726

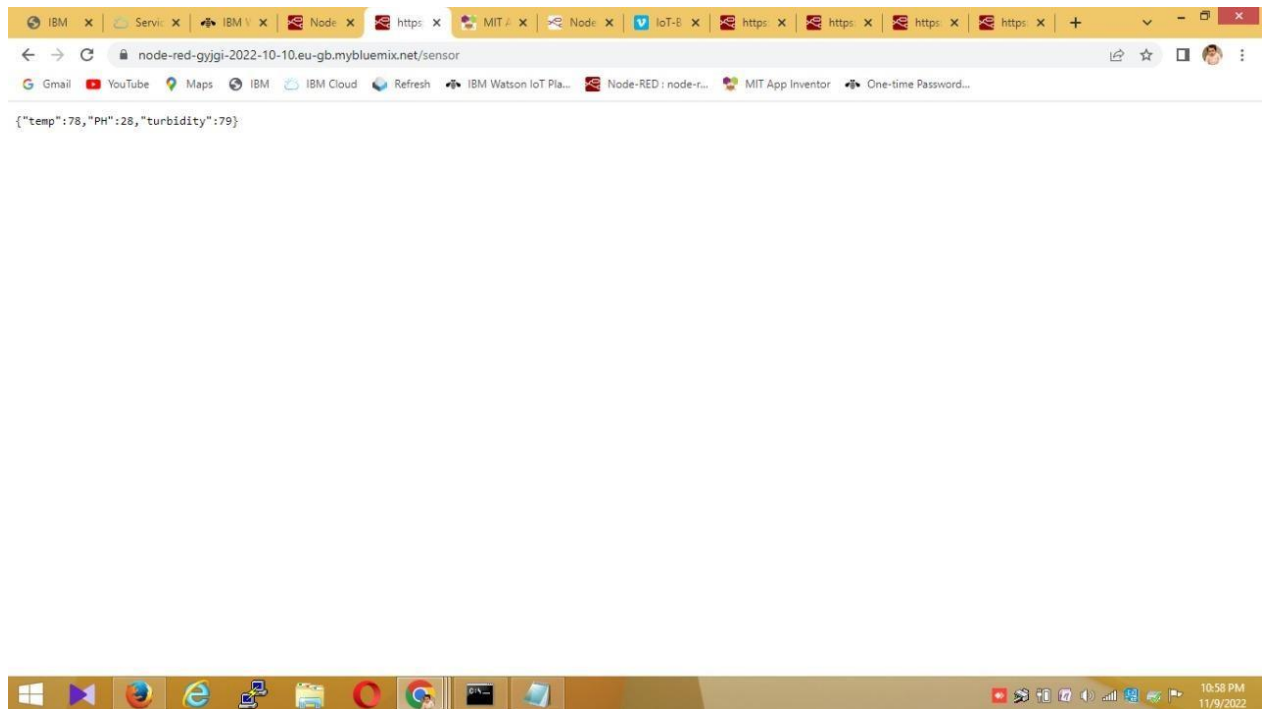
**Project title:** Real-Time River Water Quality Monitoring and Control System

**CREATE AN HTTP REQUEST TO COMMUNICATE WITH THE MOBILE APP**





- The Node red flow is successfully designed for both sensor values and control buttons.
- An HTTP request is made with the control buttons and sensor values in order to communicate with the mobile application.



The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with several nodes: an IBM IoT node, a 'msg payload' node, a 'Temperature Node', a 'PH' node, a 'Turbidity' node, a '[get]/sensor' node, an 'httpfunctionnode', an 'http' node, a 'lighton' node, a 'lightoff' node, a '[get]/control' node, a 'command function node', and another 'http' node. The flow is connected to an IBM IoT node. The debug console on the right shows a series of messages, including a 'lighton' message and a 'lightoff' message, both with a 'msg.payload' of 'string[8]'. The messages are timestamped and include node IDs.

Node-RED interface showing a flow diagram and a debug console. The flow diagram includes nodes for IBM IoT, Temperature Node, PH, Turbidity, [get]/sensor, httpfunctionnode, http, lighton, lightoff, [get]/control, command function node, and msg payload. The debug console shows messages for 'lighton' and 'lightoff' with timestamps and node IDs.

- The HTTP request is successfully reflected in the Node-red debug message window.