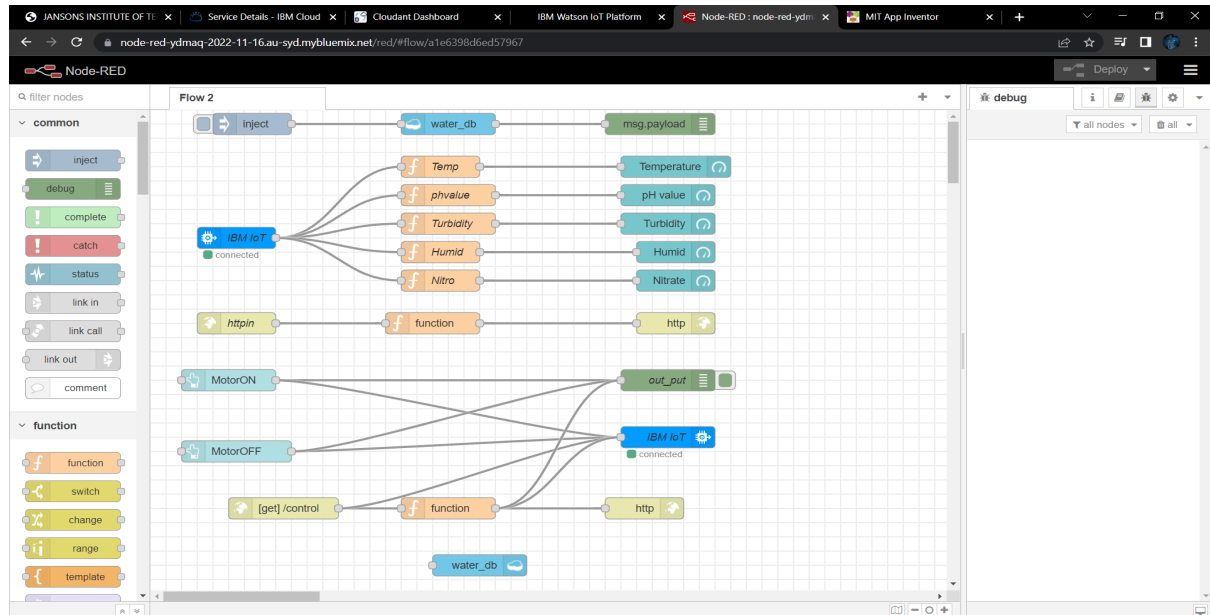TEAM ID: PNT2022TMID42599

PROJECT: Real time water quality monitoring and control system

Node-Red Web app UI creation and Http request to communicate with Mobile app

Here we can create the Web user interface and the Web Application by designing the circuit. Our Node-Red Circuit designs are as follows. The first step is to install the IBM IoT block from the node-red service and we have set three functions namely, temp,turb, pH, humid, nitro. These 5 functions process temperature, humidity and the pH value, Turbidity and Nitrate contents as simulation. And the functions are connected to the msg.payload button. After this, we set two buttons on the Switch board, Motor ON and Motor OFF.

Now for connecting to the web we use the "http" extension. And also, for connection to the Application we use MIT app application with get option function in Node-Red. The Node-Red website is copied and added "/control" to review the output.

Web UI dashboard