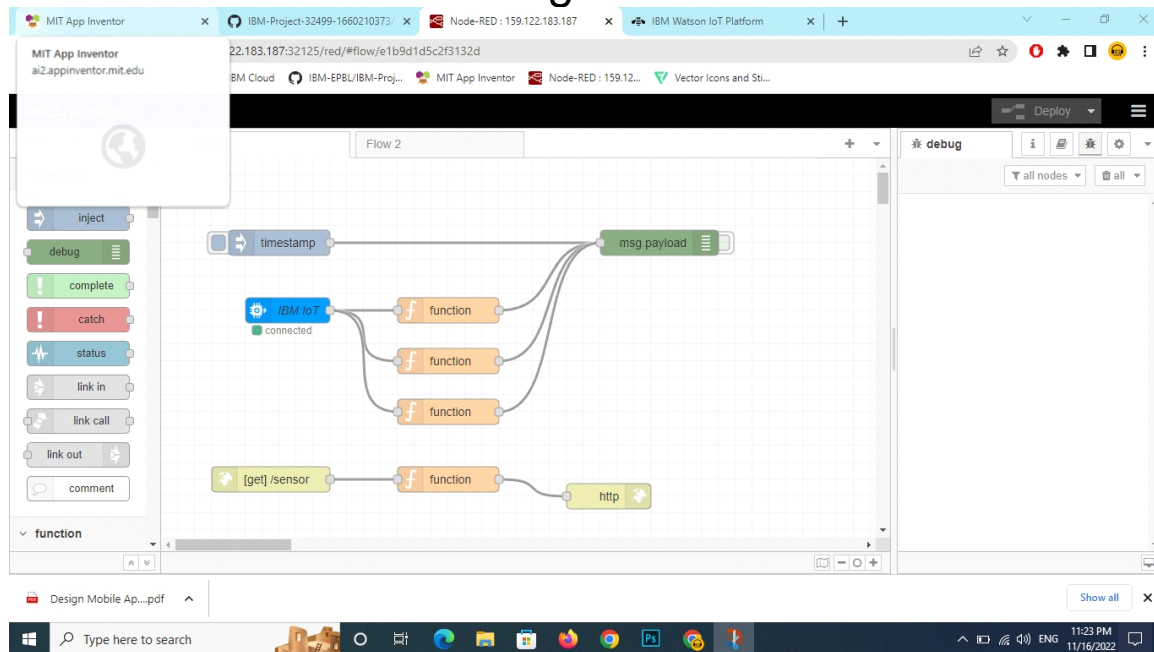


# Build A Mobile App

Team ID	PNT2022TMID11410
Project Name	Real-time river water quality monitoring and control system

## Configure The Mobile App For Controlling Motor Using Buttons

Node – RED configuration:



Intial stage

The screenshot displays the Node-RED web interface in a browser window. The address bar shows the URL: <https://159.122.183.187:32125/red/#/flow/e1b9d1d5c2f3132d>. The interface is divided into several sections:

- Left Panel:** Contains a search bar for filter nodes and a list of common nodes (inject, debug, complete, catch, status, link in, link call, link out, comment) and function nodes.
- Flow Canvas:** Displays two flows. Flow 1 includes a 'timestamp' node connected to a 'msg.payload' node. Flow 2 includes an 'IBM IoT' node (labeled 'connected') connected to three 'function' nodes, which are then connected to the 'msg.payload' node. A '[get]/sensor' node is connected to a 'function' node, which is connected to an 'http' node.
- Right Panel:** Shows a 'debug' console with a log of messages and commands. The log entries include timestamps, node IDs, and the content of the messages and commands.
- Bottom Panel:** Displays a Windows taskbar with various application icons, including the Start button, search bar, and icons for File Explorer, Edge, and other applications.

Browser address bar: 159.122.183.187:32125/ui/#/0?socketid=Sf\_e6tbc2H6opx\_4AAAA

Navigation bar: River Monitor

### River Water

#### pH Value

Time	pH Value
23:44:00	10
23:45:00	60
23:46:00	40
23:47:00	65

### Motor Temperature

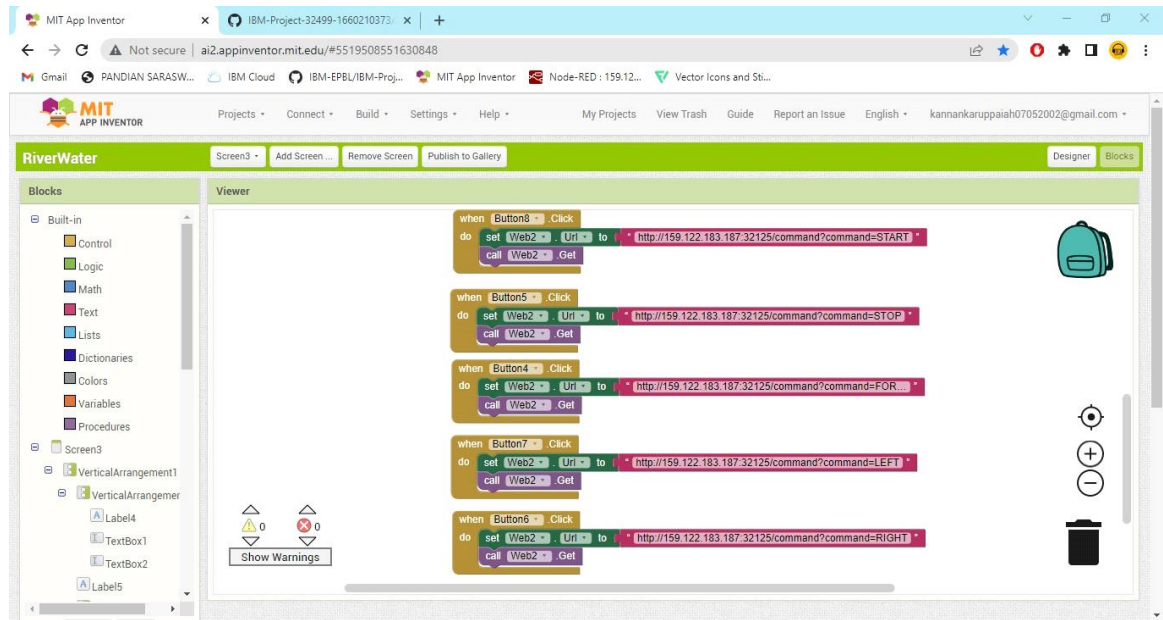
#### temp

Temperature
5

#### Turbidity

Time	Turbidity
23:44:00	65
23:45:00	40
23:46:00	70
23:47:00	20
23:48:00	45

## It is Backend of Our App:



Controller Components: