

## BUILD MOBILE APP

### CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

|               |   |
|---------------|---|
| Date          | 10 November 2022  |
| Team ID       | PNT2022TMID17661  |
| Project Name  | Project – IOT Based Real – time River Water Quality Monitoring and Control System |
| Maximum Marks | 4 Marks   |

### Sending Data from IBM cloud

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main content area is titled 'Recent Events' and shows a table of live data streams. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The data shows five events, each with a JSON value containing temperature and pH readings. The status bar at the bottom indicates '1 Simulation running'.

| Event   | Value                      | Format | Last Received     |
|---------|----------------------------|--------|-------------------|
| event_1 | {"temperature":26,"pH":8}  | json   | a few seconds ago |
| event_1 | {"temperature":34,"pH":6}  | json   | a few seconds ago |
| event_1 | {"temperature":34,"pH":12} | json   | a few seconds ago |
| event_1 | {"temperature":26,"pH":10} | json   | a few seconds ago |
| event_1 | {"temperature":1,"pH":12}  | json   | a few seconds ago |

Items per page 50 | 1–1 of 1 item

1 of 1 page

1 Simulation running

### Receiving data from IBM

Service Details - IBM Cloud x IBM Watson IoT Platform x IBM x IBM-Project-10333-16591 x Node-RED : node-red-wfj x MIT App Inventor

Not secure | ai2.appinventor.mit.edu/\*6334660461068288

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### River\_Monitoring

Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

**Blocks**

- Built-in
  - Control
  - Logic
  - Math
  - Text
  - Lists
  - Dictionaries
  - Colors
  - Variables
  - Procedures
- Screen1
  - HorizontalArrangemen
    - Label1
  - TextBox1
  - HorizontalArrangemen
    - Label2
  - TextBox2

Rename Delete

Media

Upload File ...

**Viewer**

```
when Clock1.Timer
do
  set Web1.Url to https://node-red-wfjz-2022-11-09-eu-gb.mybluemix.io/
  call Web1.Get

when Web1.GotText
do
  set TextBox1.Text to look up in pairs key Temperature pairs
  call Web1.JsonTextDecode
  jsonText get responseContent
  not found not found
  set TextBox2.Text to look up in pairs key pH pairs
  call Web1.JsonTextDecode
  jsonText get responseContent
  not found not found
```

Show Warnings