SPRINT-4

TEAM ID	PNT2022TMID13167
PROJECT TITLE	REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
DATE	11 NOVEMBER 2022

<u>WEB UI – TO MAKE USER TO INTERACT WITH THESOFTWARE</u>
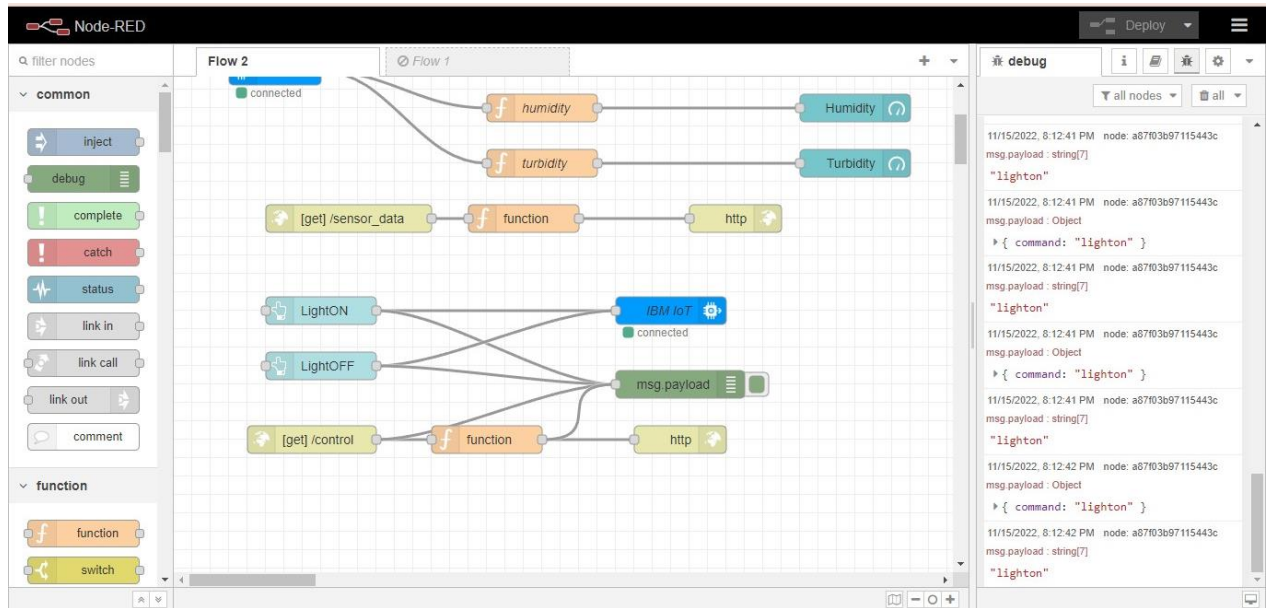
FIGURE-1: WEB UI CREATED USING NODE RED DASHBOARD
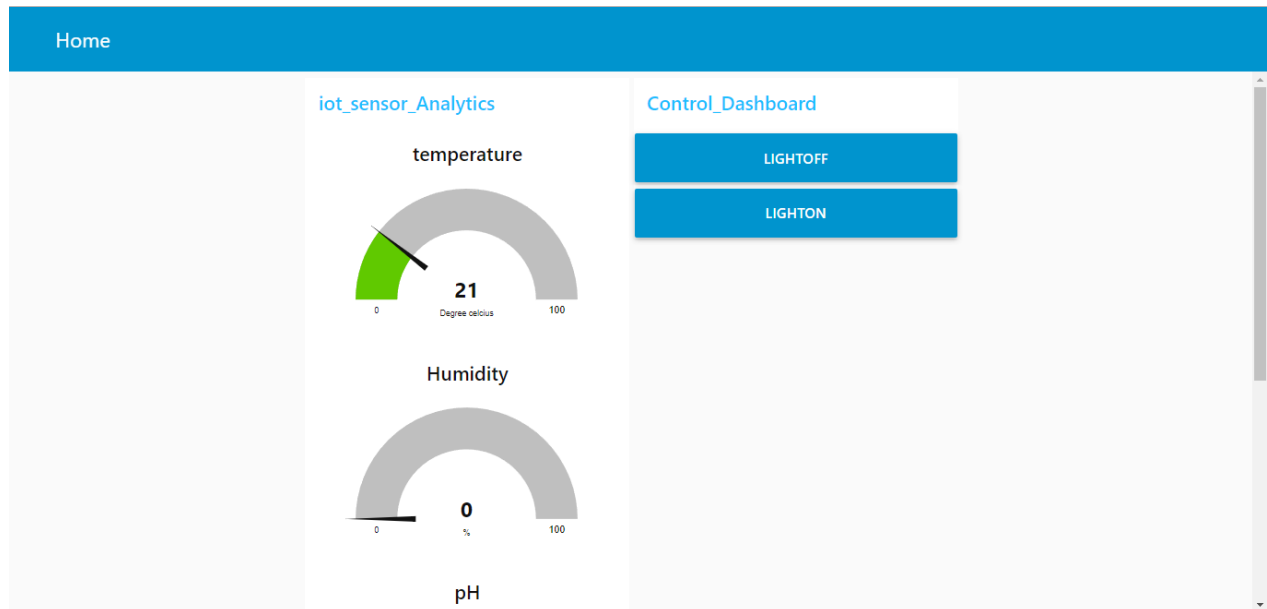
FIGURE2: WHEN THE LIGHTON BUTTON IS PRESSED

FIGURE3: PYTHON IDLE SOFTWARE OUTPUT WHEN LIGHT ON BUTTON ON WEB UIISPRESSED

FIGURE4: WHEN LIGHTOFF BUTTON IS PRESSED ON THE WEB UI

```
*Python 3.7.0 Shell*
File  Edit  Shell  Debug  Options  Window  Help
LIGHT ON
Published data {'temperature': 56, 'ph': 47, 'conductivity': 41, 'oxygen': 46, 'turbidity': 0} to IBM Watson
Published data {'temperature': 70, 'ph': 36, 'conductivity': 20, 'oxygen': 3, 'turbidity': 44} to IBM Watson
Published data {'temperature': 92, 'ph': 22, 'conductivity': 65, 'oxygen': 29, 'turbidity': 19} to IBM Watson
Published data {'temperature': 94, 'ph': 16, 'conductivity': 16, 'oxygen': 93, 'turbidity': 10} to IBM Watson
Published data {'temperature': 4, 'ph': 12, 'conductivity': 96, 'oxygen': 16, 'turbidity': 42} to IBM Watson
Published data {'temperature': 23, 'ph': 82, 'conductivity': 68, 'oxygen': 83, 'turbidity': 10} to IBM Watson
Published data {'temperature': 12, 'ph': 3, 'conductivity': 50, 'oxygen': 96, 'turbidity': 62} to IBM Watson
Published data {'temperature': 41, 'ph': 93, 'conductivity': 96, 'oxygen': 44, 'turbidity': 7} to IBM Watson
Published data {'temperature': 60, 'ph': 72, 'conductivity': 48, 'oxygen': 9, 'turbidity': 16} to IBM Watson
Published data {'temperature': 99, 'ph': 26, 'conductivity': 7, 'oxygen': 7, 'turbidity': 8} to IBM Watson
Command received: lightoff
LIGHT OFF
Command received: lightoff
LIGHT OFF
Published data {'temperature': 93, 'ph': 32, 'conductivity': 50, 'oxygen': 57, 'turbidity': 93} to IBM Watson
Published data {'temperature': 90, 'ph': 26, 'conductivity': 22, 'oxygen': 61, 'turbidity': 64} to IBM Watson
Command received: lightoff
LIGHT OFF
Published data {'temperature': 76, 'ph': 18, 'conductivity': 73, 'oxygen': 79, 'turbidity': 84} to IBM Watson
Command received: lightoff
LIGHT OFF
Command received: lightoff
LIGHT OFF
Command received: lightoff
LIGHT OFF
Command received: lightoff
LIGHT OFF
Command received: lightoff
LIGHT OFF
Command received: lightoff
LIGHT OFF
Published data {'temperature': 45, 'ph': 36, 'conductivity': 0, 'oxygen': 36, 'turbidity': 20} to IBM Watson
Published data {'temperature': 70, 'ph': 61, 'conductivity': 89, 'oxygen': 39, 'turbidity': 39} to IBM Watson
Published data {'temperature': 94, 'ph': 81, 'conductivity': 91, 'oxygen': 35, 'turbidity': 99} to IBM Watson
Published data {'temperature': 33, 'ph': 80, 'conductivity': 39, 'oxygen': 95, 'turbidity': 68} to IBM Watson
Published data {'temperature': 59, 'ph': 36, 'conductivity': 3, 'oxygen': 1, 'turbidity': 73} to IBM Watson
Published data {'temperature': 97, 'ph': 12, 'conductivity': 35, 'oxygen': 95, 'turbidity': 96} to IBM Watson
Published data {'temperature': 58, 'ph': 21, 'conductivity': 98, 'oxygen': 22, 'turbidity': 77} to IBM Watson
Published data {'temperature': 87, 'ph': 89, 'conductivity': 13, 'oxygen': 49, 'turbidity': 2} to IBM Watson
Published data {'temperature': 7, 'ph': 55, 'conductivity': 79, 'oxygen': 69, 'turbidity': 86} to IBM Watson
```

**FIGURE5: PYTHON IDLE SOFTWARE OUTPUT WHEN LIGHT OFF
BUTTON ON WEB UIIS
PRESSED**