

REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM USING IoT

Submitted by

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SPRINT-IV

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Maximum Marks	4 Marks

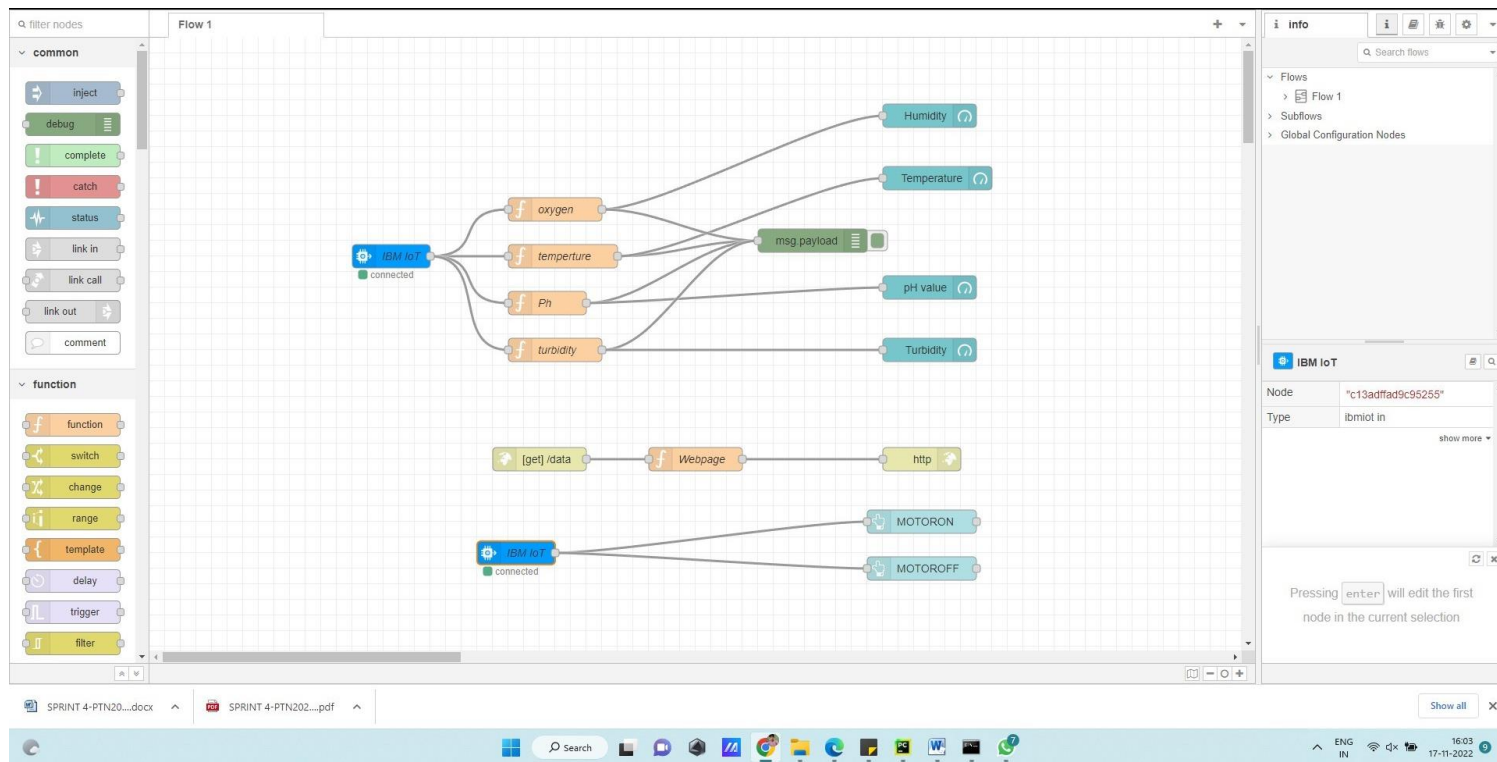
IOT DEVICE CREATION:

The screenshot displays the IOT Device Management interface. At the top, there are tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A blue 'Add Device' button is located in the top right corner. Below the tabs, a text box explains that the table shows a summary of all devices and can be filtered, organized, and searched. A search bar labeled 'Search by Device ID' is present. The main table lists devices with columns: Device ID, Status, Device Type, Class ID, Date Added, Descriptive Location, Added By, and Device Class. A device named 'weather_today' is selected, and its details are shown in a modal window. The modal has tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is active, showing a table of events with columns: Event, Value, Format, and Last Received. The events are JSON strings representing sensor data. At the bottom of the modal, it says '1 Simulation running'. The Windows taskbar at the bottom shows the time as 16:02 on 17-11-2022.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class
weather_today	Disconnected	weather_device	Device	Nov 15, 2022 8:03 PM		2004207ec@cit.edu.in	

Event	Value	Format	Last Received
event_1	{"Salinity":53,"temp":58,"oxygen":5,"turbidity":41}	json	a few seconds ago
event_1	{"Salinity":35,"temp":21,"oxygen":6,"turbidity":11}	json	a few seconds ago
event_1	{"Salinity":35,"temp":50,"oxygen":7,"turbidity":59}	json	a few seconds ago

NODE-RED OUTPUT:



MIT APPLICATION:

