

Project Development Phase

Project Development Template (Sprint-4)

Date	17 November 2022
Team ID	PNT2022TMID52874
Project Name	Project - Real Time River Water Monitoring and Control system
Maximum Marks	Marks

IOT DEVICE CREATION:

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows a table of 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 listed with status 'Disconnected'. Below the table, there is a section for 'Recent Events' showing a stream of data with columns: Event, Value, Format, and Last Received. The events are JSON objects containing salinity, temperature, oxygen, and turbidity data. At the bottom, there is a status bar indicating '1 Simulation running'.

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:

node-red-slpvg-2022-10-08.eu-gb.mybluemix.net/red/#flow/6324c8348d120759

Node-RED

Flow 1

filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range
- template
- delay
- trigger
- filter

Flow 1

IBM IoT (connected)

oxygen

temperture

Ph

turbidity

msg.payload

Humidity

Temperature

pH value

Turbidity

[get] /data

Webpage

http

IBM IoT (connected)

MOTORON

MOTOROFF

info

Search flows

Flows

- Flow 1
- Subflows
- Global Configuration Nodes

IBM IoT

Node: "c13adffad9c95255"

Type: ibmiot in

show more

Pressing **enter** will edit the first node in the current selection

SPRINT 4-PTN20....docx

SPRINT 4-PTN202....pdf

Show all

ENG IN

16:03

17-11-2022

MIT APPLICATION:

App_Inventor

Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Search Components...

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebView

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Viewer

Display hidden components in Viewer
Phone size (505,320)

Screen1

Temperature loading

pH value

Turbidity

oxygen

Non-visible components

Web1 Clock1

Components

- Screen1
 - HorizontalArrangement1
 - Label1
 - TextBox1
 - HorizontalArrangement2
 - Label2
 - TextBox2
 - HorizontalArrangement3
 - Label3
 - TextBox3
 - HorizontalArrangement4
 - Label4
 - TextBox4
 - Web1
 - Clock1

Media

Upload File ...

Properties

Screen1

AboutScreen

AccentColor

Default

AlignHorizontal

Left: 1

AlignVertical

Top: 1

AppName

App_Inventor

BackgroundColor

Default

BackgroundImage

None...

BigDefaultText

BlocksToolkit

All

CloseScreenAnimation

Default

DefaultFileScope

App

HighContrast

Icon

None...

OpenScreenAnimation

Default

PrimaryColor

Default

SPRINT 4-PTN20....docx

SPRINT 4-PTN202....pdf

Show all

ENG IN

16:03

17-11-2022

