

## USE DASHBOARD NODES FOR CREATING UI(WEB APP)

Team ID	PNT2022TMID33019
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

In this document, we have attached the screenshots of Dashboard nodes for creating UI

Command Prompt

Microsoft Windows [Version 10.0.22000.1219]

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C:\Users\infin>pip install wiotp-sdk

Requirement already satisfied: wiotp-sdk in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (0.11.0)  
 Requirement already satisfied: iso8601>=0.1.12 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (1.1.0)  
 Requirement already satisfied: pytz>=2018.9 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (2022.6)  
 Requirement already satisfied: pyyaml>=3.13 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (6.0)  
 Requirement already satisfied: paho-mqtt>=1.5.0 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (1.6.1)  
 Requirement already satisfied: requests>=2.21.0 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (2.28.1)  
 Requirement already satisfied: requests\_toolbelt>=0.8.0 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (0.10.1)  
 Requirement already satisfied: idna<4,>=2.5 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (3.4)  
 Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (1.26.12)

Requirement already satisfied: certifi>=2017.4.17 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2022.9.24)

Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2.1.1)

You are using pip version 10.0.1, however version 22.3.1 is available.

You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\infin>pip install ibmiotf

Requirement already satisfied: ibmiotf in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (0.4.0)  
 Requirement already satisfied: iso8601>=0.1.12 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from ibmiotf) (1.1.0)  
 Requirement already satisfied: pytz>=2017.3 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from ibmiotf) (2022.6)  
 Requirement already satisfied: paho-mqtt>=1.3.1 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from ibmiotf) (1.6.1)  
 Requirement already satisfied: requests>=2.18.4 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from ibmiotf) (2.28.1)  
 Requirement already satisfied: requests\_toolbelt>=0.8.0 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from ibmiotf) (0.10.1)  
 Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (2.1.1)  
 Requirement already satisfied: certifi>=2017.4.17 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (2022.9.24)  
 Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (1.26.12)  
 Requirement already satisfied: idna<4,>=2.5 in c:\users\infin\appdata\local\programs\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (3.4)

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C:\Users\infin>

Node-RED

Deploy

filter nodes

tone analyzer v3

dashboard

button

dropdown

switch

slider

numeric

text input

date picker

colour picker

form

text

Flow 2

Flow 3

IBM IoT

connected

temp

humidity

randomNumber

msg.payload

temperature

humidity

moisture

debug

current flow

all

17/11/2022, 10:19:28 am node: b9291bf6569ebfd8  
iot-2/type/rasperry/id/ras123/evt/status/fmt/json :  
msg.payload : undefined  
undefined

17/11/2022, 10:19:29 am node: b9291bf6569ebfd8  
iot-2/type/rasperry/id/ras123/evt/status/fmt/json :  
msg.payload : Object  
{ temperature: -5, humidity: 46 }

17/11/2022, 10:19:30 am node: b9291bf6569ebfd8  
iot-2/type/rasperry/id/ras123/evt/status/fmt/json :  
msg.payload : undefined  
undefined

17/11/2022, 10:19:30 am node: b9291bf6569ebfd8  
iot-2/type/rasperry/id/ras123/evt/status/fmt/json :  
msg.payload : number  
46

17/11/2022, 10:19:30 am node: b9291bf6569ebfd8  
iot-2/type/rasperry/id/ras123/evt/status/fmt/json :  
msg.payload : undefined  
undefined