

## DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

USE DASHBOARD NODES FOR CREATING UI (WEB APP)

<b>Date</b>	13 November 2022
<b>Team ID</b>	PNT2022TMID22775
<b>Project Name</b>	Industry-Specific Intelligent Fire Management System
<b>Maximum Marks</b>	8 Marks

Node-RED

Deploy

filter nodes

Flow 1Flow 2Flow 3

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

IBM IoT

disconnected

debug 3

Temperature

Humidity

sensors

httpfunctionnode

http request

Temperature

Humidity

debug

all nodesall

11/15/2022, 11:45:37 AM node: debug 3

iot-2/type/iot\_device/id/wokwi\_us/evt/Default/fmt/json :  
msg.payload : Object

▶ { temp: 36.4, humid: 46.5, Alert...!:  
"Alarm and Alert Light will be ..." }

11/15/2022, 11:45:39 AM node: debug 2

iot-2/type/iot\_device/id/iot\_device\_2/evt/Default/fmt/json :  
msg.payload : Object

▶ { temp: 36.4, humid: 46.5, Alert...!:  
"Alarm and Alert Light will be ..." }

11/15/2022, 11:46:43 AM node: debug 3

iot-2/type/iot\_device/id/wokwi\_us/evt/Default/fmt/json :  
msg.payload : Object

▶ { temp: 36.4, humid: 46.5, Alert...!:  
"Alarm and Alert Light will be ..." }

Node-RED

Deploy

filter nodes

Flow 1

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

switch

change

range

function

add

Temp

Gas

flame

flow

isfanon

issprinkon

accidentstatus

sprinkstatus

Temperature

Gas

Flame

Flow

Fan status

sprinkler status

Accident status

Sprinkler status

Send alert

switch

function

switch

header and data

post request of fast to sms

Sprinkler off/on

Fan off/on

function

IBM IoT

debug

all nodes

all

name: 551

flow: false

isfanon: true

issprinkon: true

cansentalert: true

accidentstatus: "severe"

sprinkstatus: "not working"

11/6/2022, 11:36:04 AM node: c79b21d9cfee6453

lot 2/type/zenabc/id/221/evt/data/rmt/json : msg.payload :

Object

> { return: true, request\_id: "5jhr7buc1qxa13m", message: array[1] }

11/6/2022, 11:36:18 AM node: laddu

msg.payload : Object

> { command: "cantfan", pin: 0 }

11/6/2022, 11:36:29 AM node: jelabi

msg.payload : string[4]

"1234"

11/6/2022, 11:36:30 AM node: laddu

msg.payload : Object

> { command: "cantfan", pin: 67993 }

11/6/2022, 11:41:30 AM node: c79b21d9cfee6453

msg.payload : Object

> { return: true, request\_id: "xcn2lzd56aogmby", message: array[1] }

