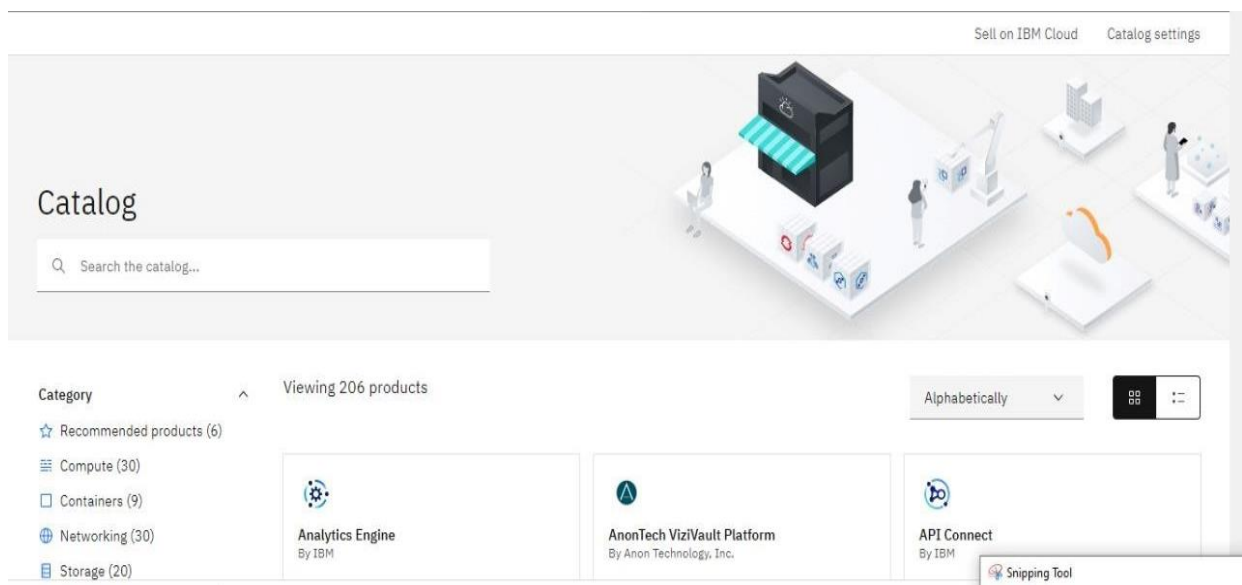


SPRINT-3

TEAM ID: PNT2022TMID11102

PROJECT NAME : IOT based smart crop protection systemfor Agriculture

Step1. Find the Node-RED Starter Kit in the IBM Cloud catalog.



Step2. Create your application

Step3. Enable the Continuous Delivery feature

Step4: Creation NODE RED

Node-RED on IBM Cloud

Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at nodered.org.

Go to your Node-RED flow editor

[Learn how to customise Node-RED](#)

Step5: Simulated program to get the random values.

Node-RED

Deploy

filter nodes

Flow 1

link out

comment

function

function

switch

change

range

template

delay

trigger

filter

OpenWhisk

connected

Temperature

msg.payload

debug

all nodes

all

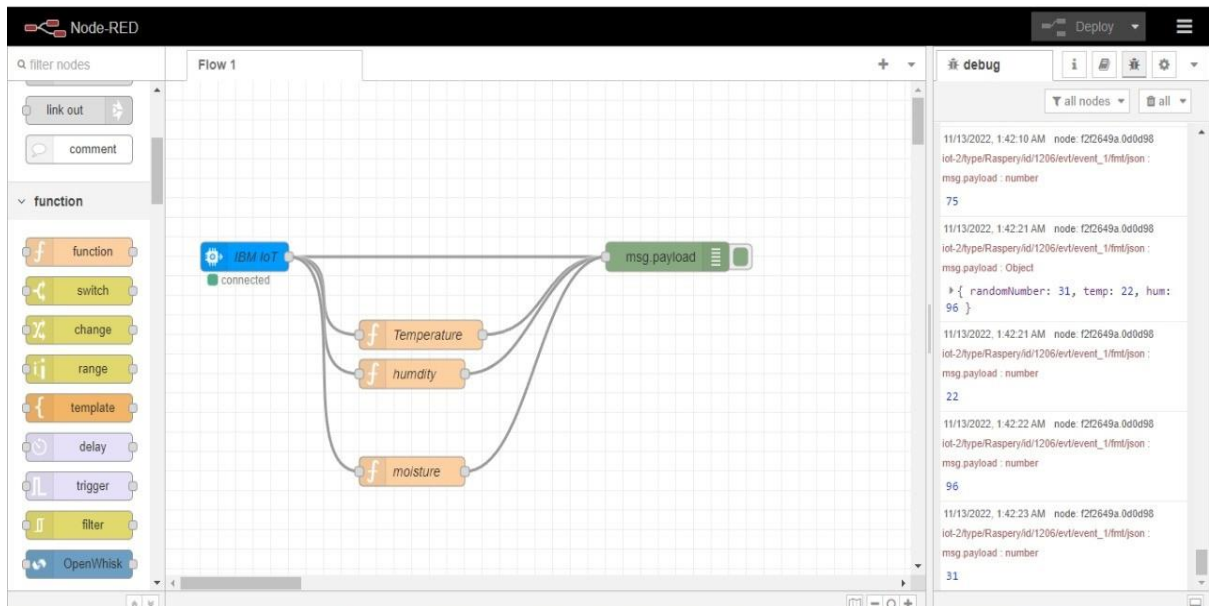
11/13/2022, 1:28:01 AM node: f2f2649a-0d0d98
iot-2/type/RasperiId/1206/evt/event_1/fmt/json :
msg.payload : number
67

11/13/2022, 1:28:02 AM node: f2f2649a-0d0d98
iot-2/type/RasperiId/1206/evt/event_1/fmt/json :
msg.payload : Object
{ randomNumber: 80, temp: 5, hum: 93 }

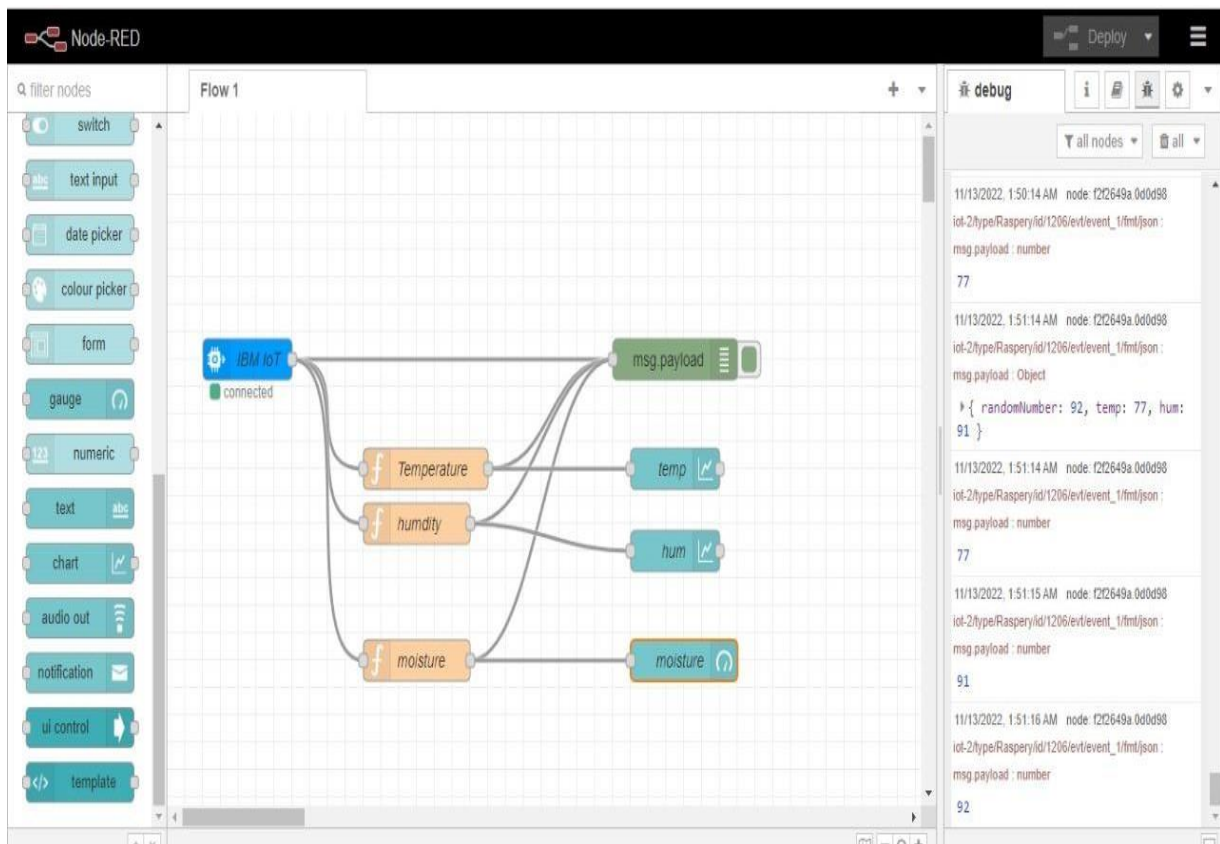
11/13/2022, 1:28:03 AM node: f2f2649a-0d0d98
iot-2/type/RasperiId/1206/evt/event_1/fmt/json :
msg.payload : number
5

11/13/2022, 1:28:04 AM node: f2f2649a-0d0d98
iot-2/type/RasperiId/1206/evt/event_1/fmt/json :
msg.payload : Object
{ randomNumber: 80, temp: 74, hum: 87 }

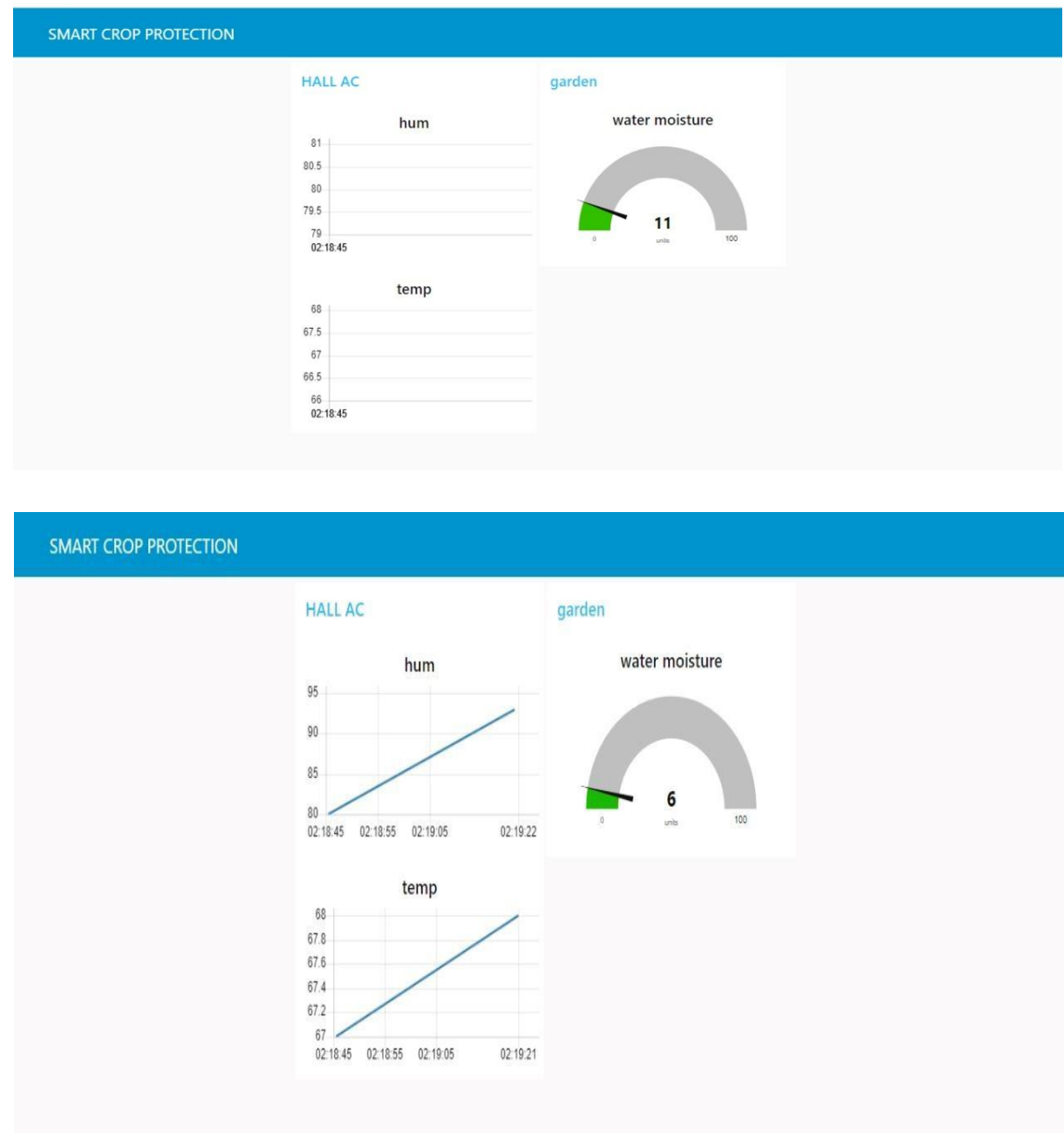
11/13/2022, 1:28:04 AM node: f2f2649a-0d0d98
iot-2/type/RasperiId/1206/evt/event_1/fmt/json :
msg.payload : number
74



Step6: Generate debug message from IBM Watson IoTPlatform and connect the nodes.

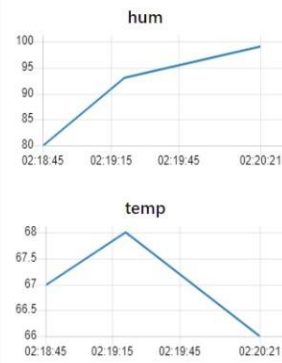


Step7: Generate the output from recent events.

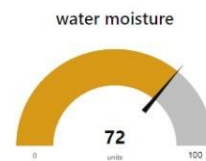


SMART CROP PROTECTION

HALL AC

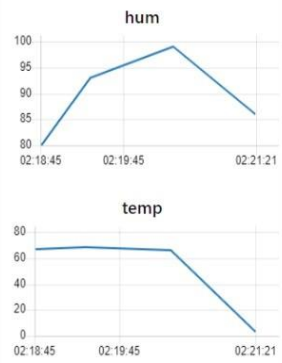


garden

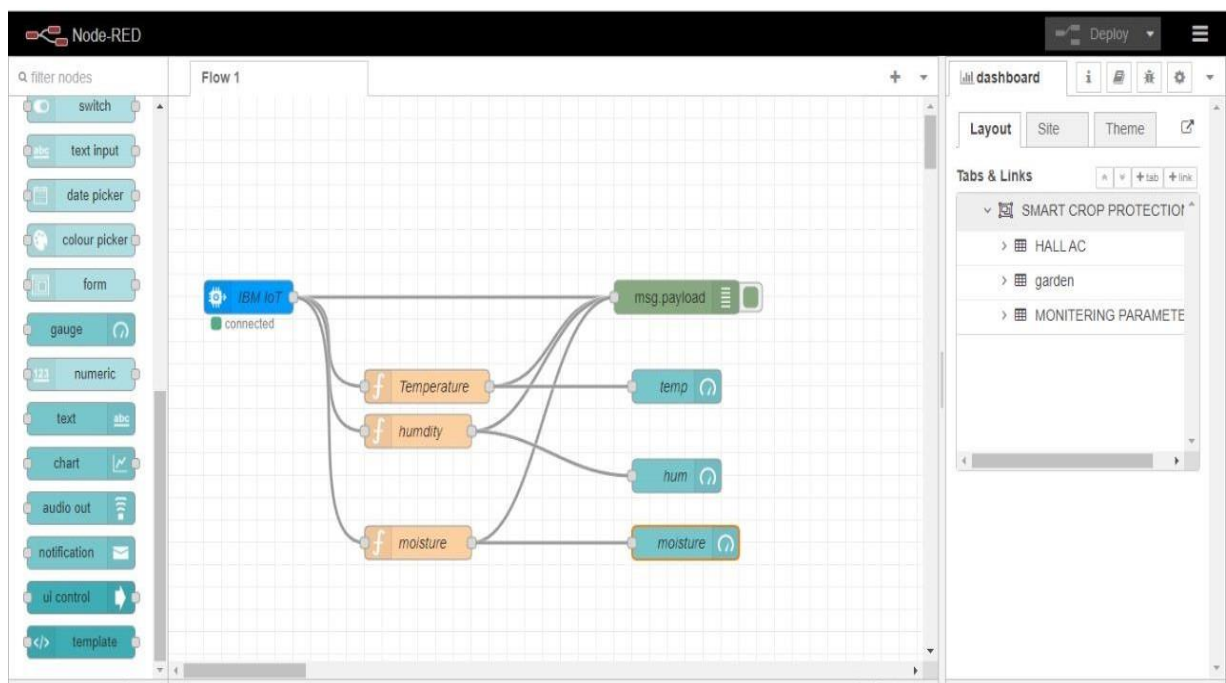
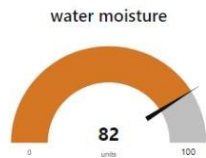


SMART CROP PROTECTION

HALL AC

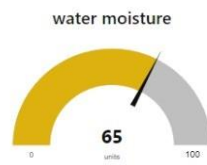


garden



SMART CROP PROTECTION

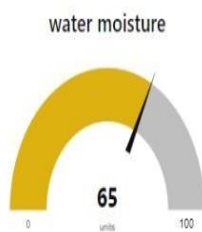
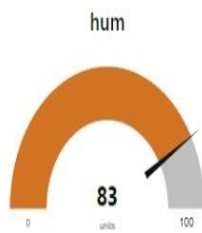
MONITERING PARAMETERS



temp

SMART CROP PROTECTION

MONITERING PARAMETERS



temp