SPRINT 3-REPORT

SMART FARMER-IOT ENABLED SMART FARMING APPLICATION

TEAM ID   : PNT2022TMID22052
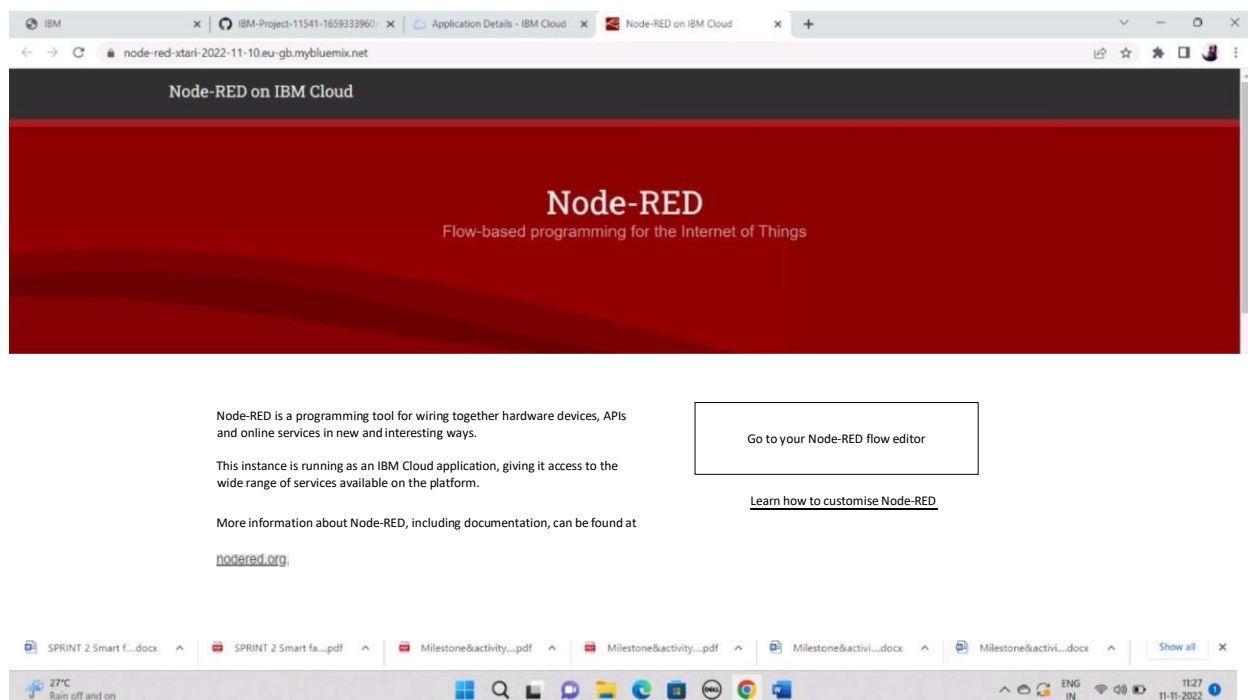
TEAM LEAD   : SOORIA.S
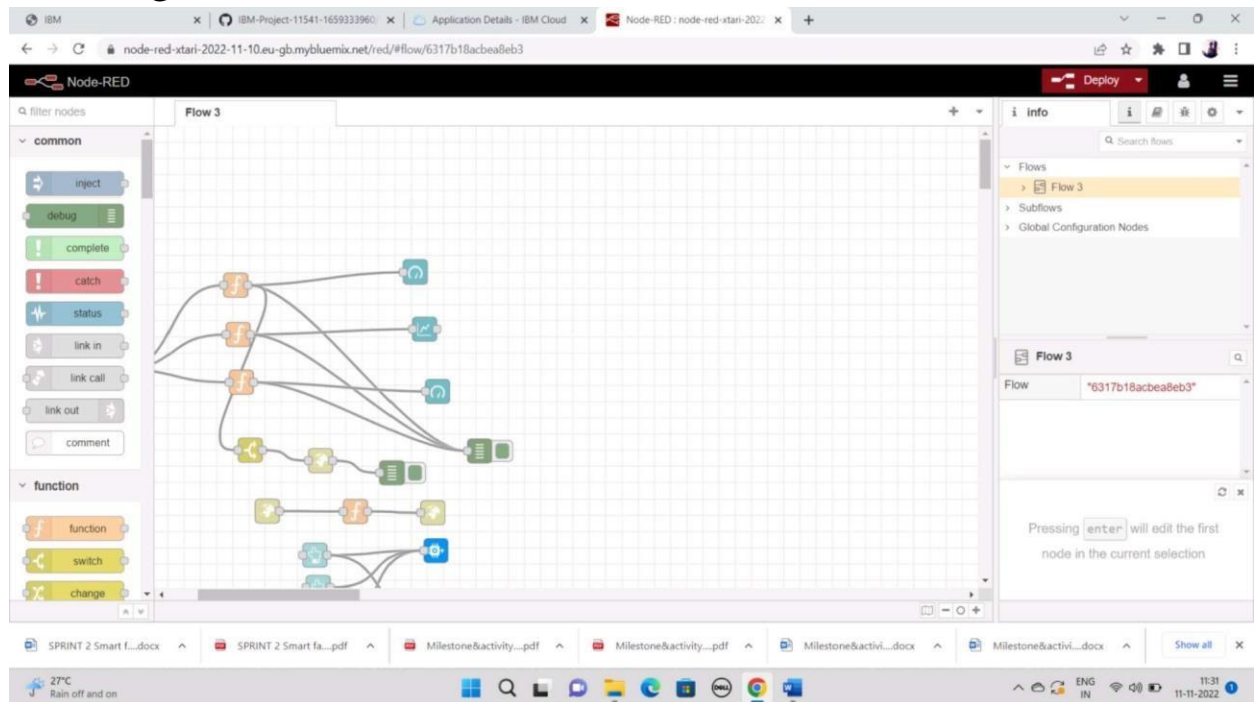
TEAM MEMBERS: 1.SPENCER.J

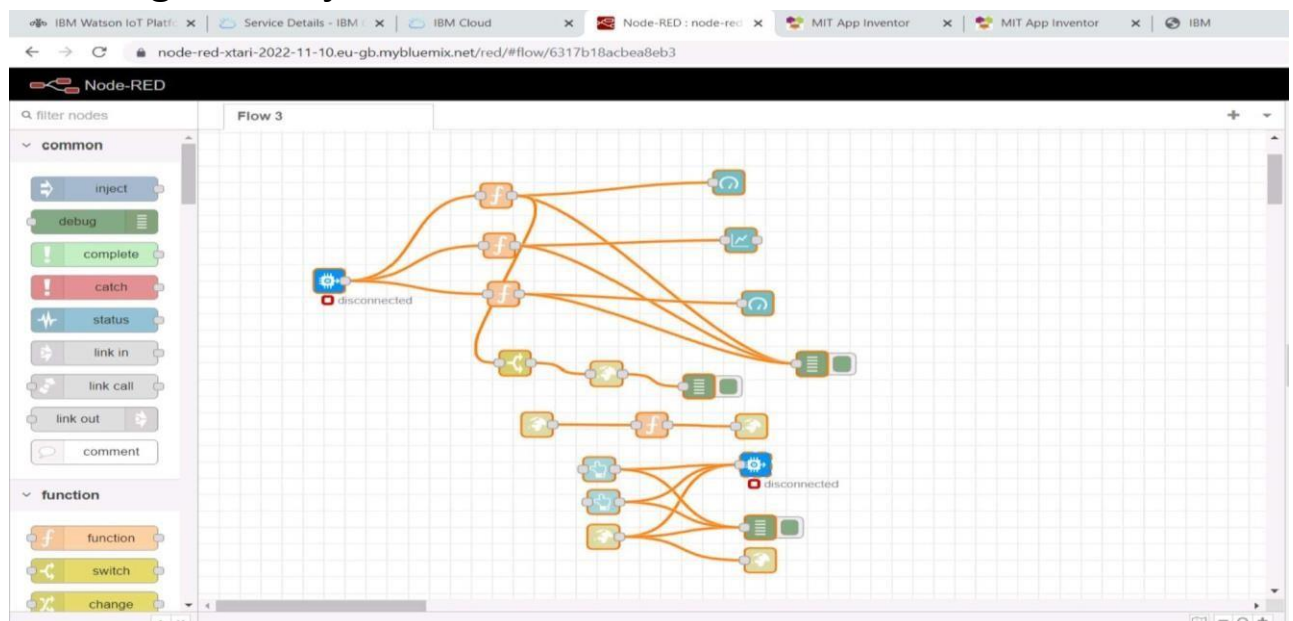   2. PREM KUMAR.S

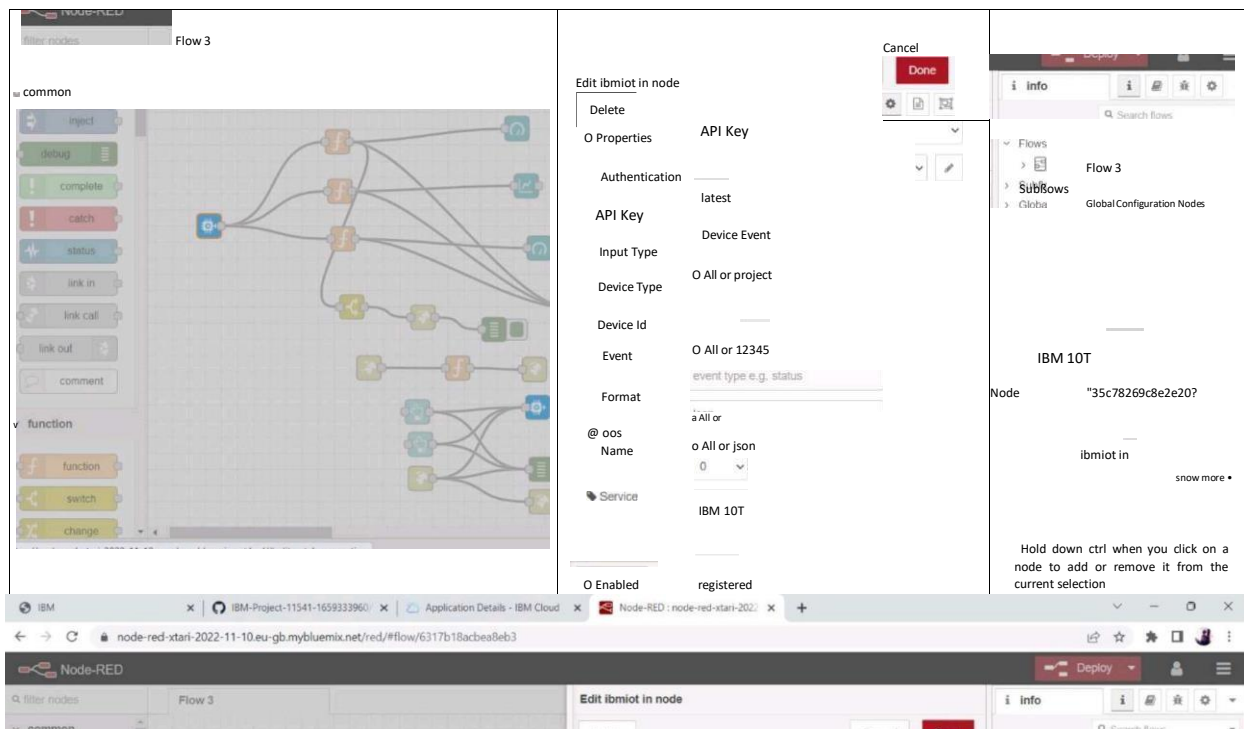   3.VHOOM PRAKASH.M

Creating Node Red Service

Creating a Flow

Creating the Project Flow

Configuring the Node with the Credentials

Node-RED

Flow 3

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

function
- function
- switch
- change

Edit ibmiot in node

Cancel
Done

Delete

O Properties   API Key

Authentication
                     latest

API Key   Device Event

Input Type   O All or project

Device Type

Device Id   O All or 12345

Event

Format   event type e.g. status

                       a All or
@ oos
Name   o All or json
                       0

Service   IBM 10T

O Enabled   registered

info

Search flows

Flows
  Flow 3
SubRows
Globa   Global Configuration Nodes

IBM 10T

Node   "35c78269c8e2e20?

ibmiot in

snow more •

Hold down ctrl when you click on a node to add or remove it from the current selection
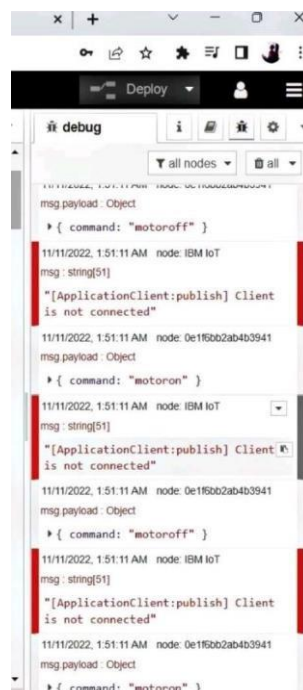
Connected to the Watson Platform
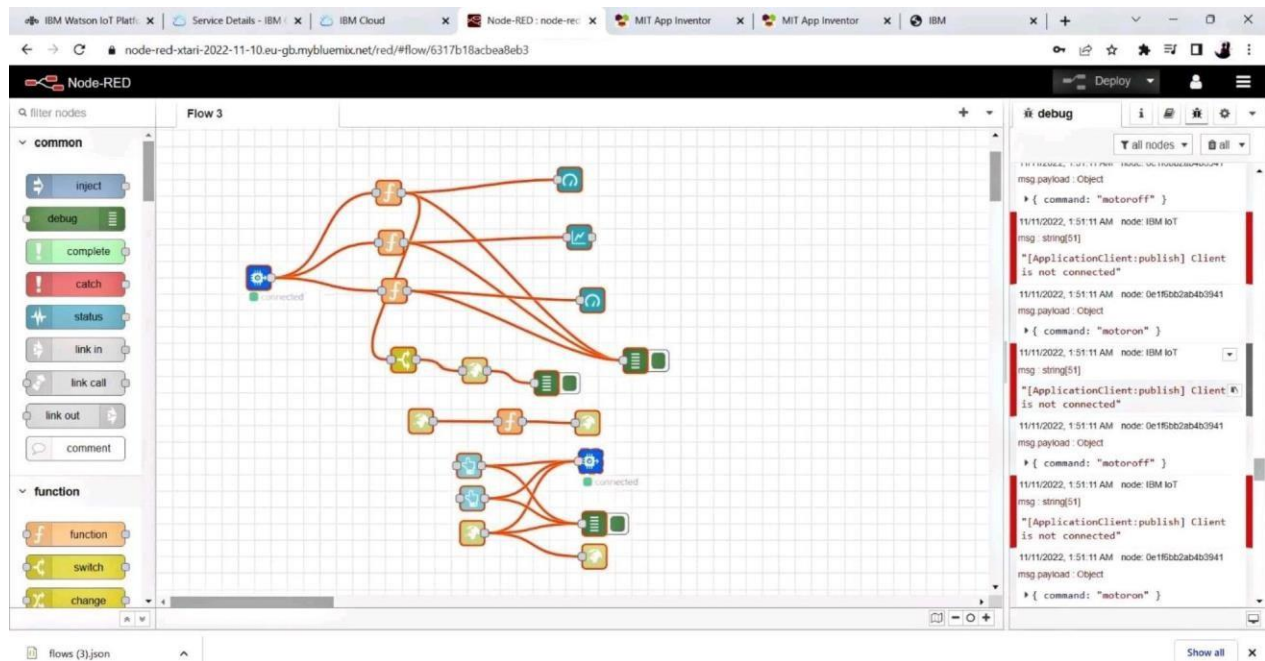
Receiving the data from the Watson Platform and MIT App Inventor

Web Application UI (for reference)

Temperature

0
UNITS
0   100

MOTOR ON

MOTOR OFF

Soil Moisture

0
UNITS
0   100

MIT App as Input and Node Red as Output

Screen1

TEMPRATURE
29.2
HUMIDITY
48.2
MOISTURE
644

Deploy

debug

all nodes   all

11/11/2022, 1:51:11 AM   node: 0e1f6bb2ab4b3941
msg.payload : Object
▸ { command: "motoroff" }

11/11/2022, 1:51:11 AM   node: IBM IoT
msg : string[51]
"[ApplicationClient:publish] Client
is not connected"

11/11/2022, 1:51:11 AM   node: 0e1f6bb2ab4b3941
msg.payload : Object
▸ { command: "motoron" }

11/11/2022, 1:51:11 AM   node: IBM IoT
msg : string[51]
"[ApplicationClient:publish] Client
is not connected"

11/11/2022, 1:51:11 AM   node: 0e1f6bb2ab4b3941
msg.payload : Object
▸ { command: "motoroff" }

11/11/2022, 1:51:11 AM   node: IBM IoT
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"[ApplicationClient:publish] Client
is not connected"

11/11/2022, 1:51:11 AM   node: 0e1f6bb2ab4b3941
msg.payload : Object
▸ { command: "motoron" }

User Interface Displaying the Random Data