

## SPRINT\_3

Date	10 November 2022
Team ID	PNT2022TMID08745
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	4 Marks

## Creating Node Red Service



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

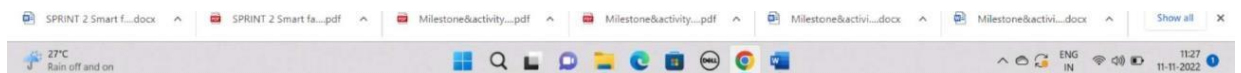
[Go to your Node-RED flow editor](#)

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

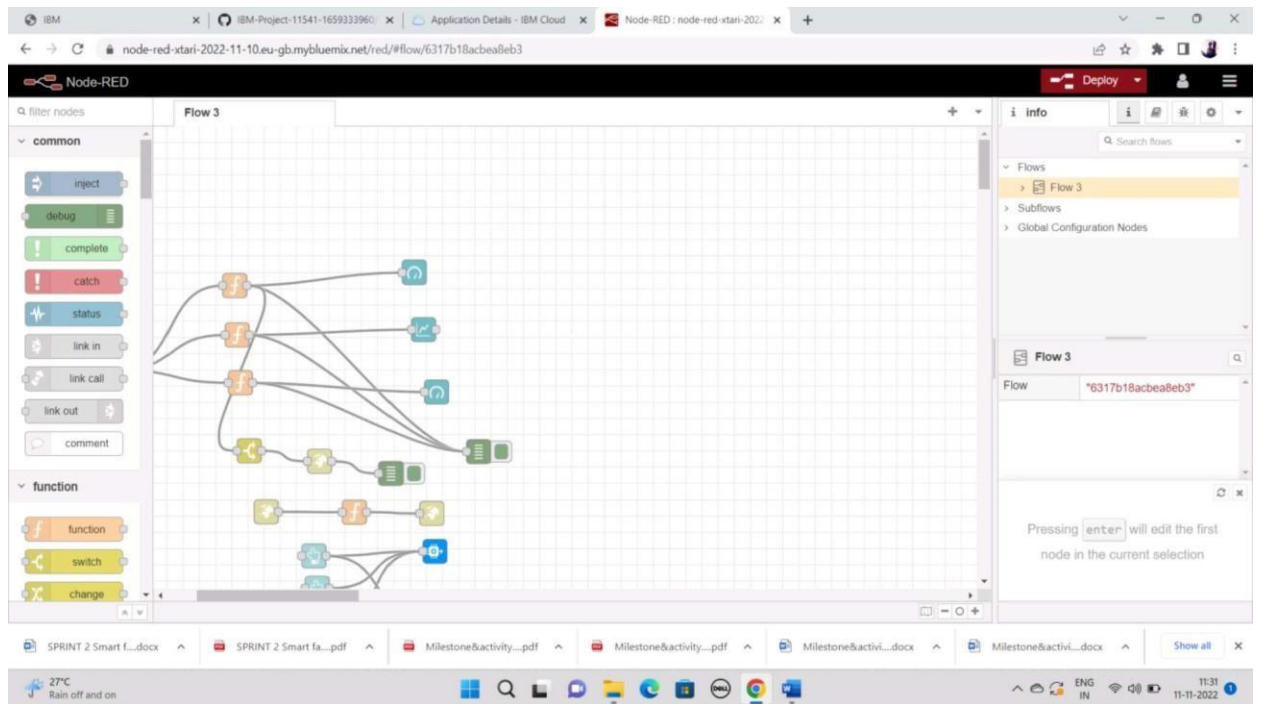
[Learn how to customise Node-RED](#)

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

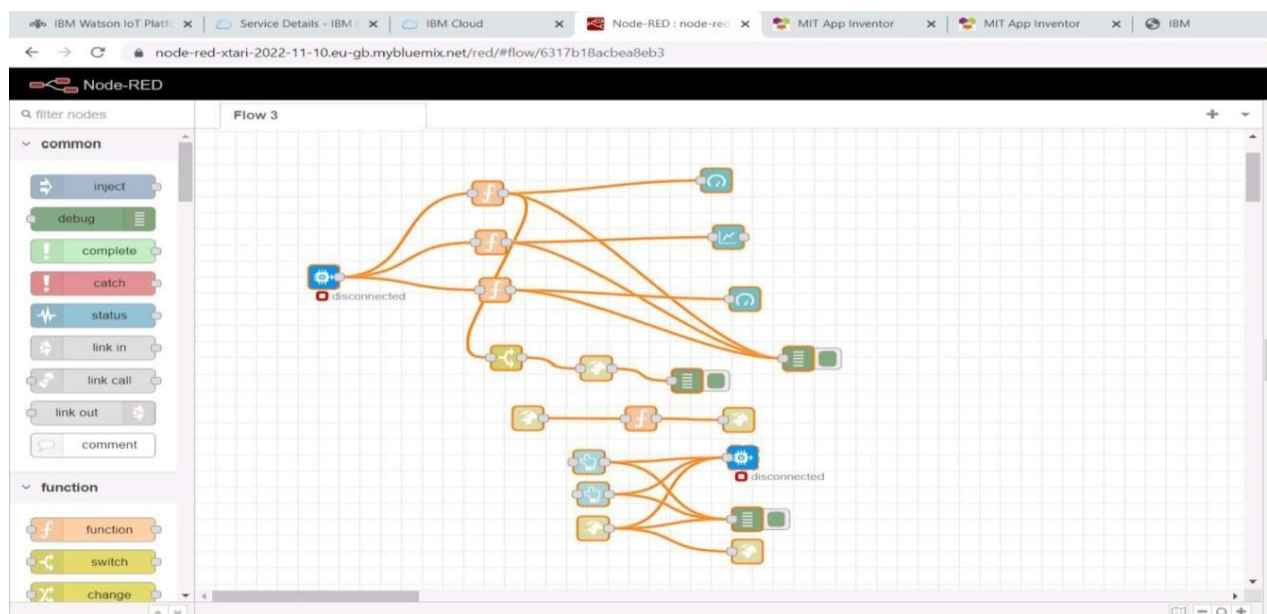
[nodered.org](https://nodered.org).



## Creating a Flow



## Creating the Project Flow

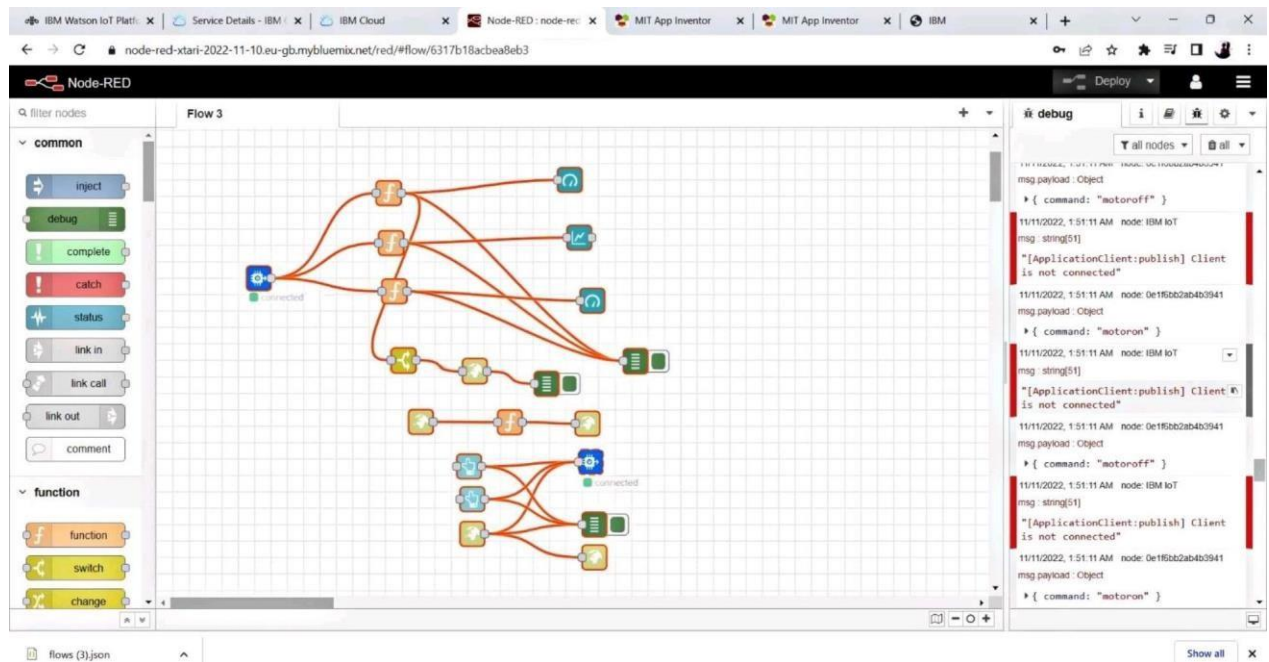


# Configuring the Node with the Credentials

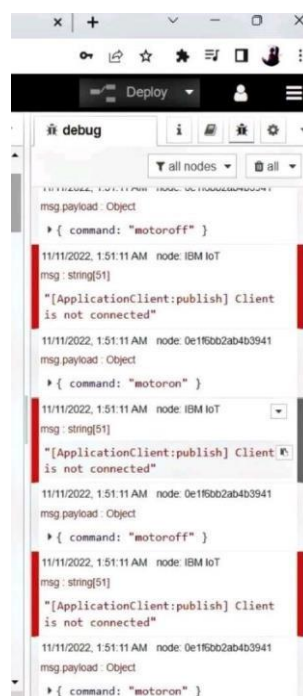
The screenshot displays the Node-RED web interface. On the left, the 'common' sidebar shows various node types. The main workspace contains a flow diagram with several nodes connected. On the right, the 'Edit ibmiot in node' configuration panel is open, showing fields for API Key, Authentication, Input Type, Device Type, Device Id, Event, Format, @ oos, Name, and Service. The 'Service' field is set to 'IBM 10T'. Below the configuration panel, the 'info' sidebar shows the flow structure, including 'Flow 3' and 'Global Configuration Nodes'. The bottom status bar indicates the current flow is 'Flow 3'.

Node-RED interface showing the configuration of an IBM IoT node. The configuration panel includes fields for API Key, Authentication, Input Type, Device Type, Device Id, Event, Format, @ oos, Name, and Service. The Service field is set to IBM 10T. The info sidebar shows the flow structure, including Flow 3 and Global Configuration Nodes.

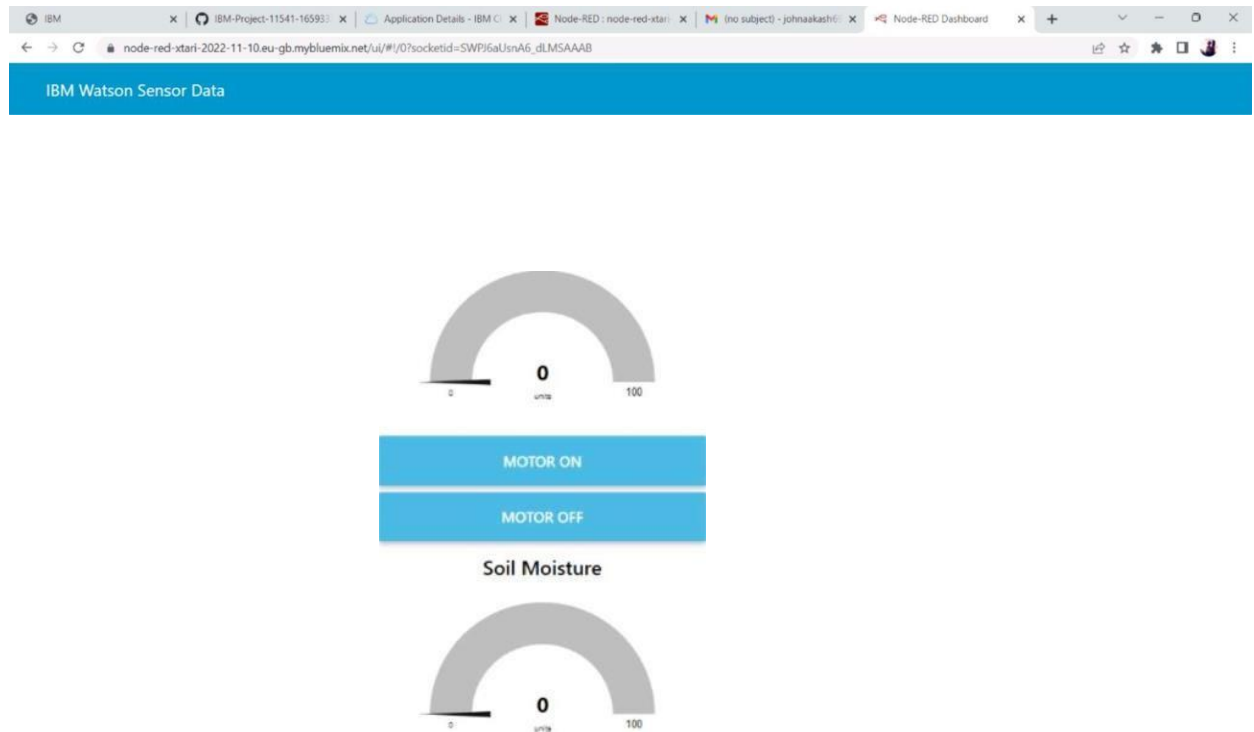
## Connected to the Watson Platform



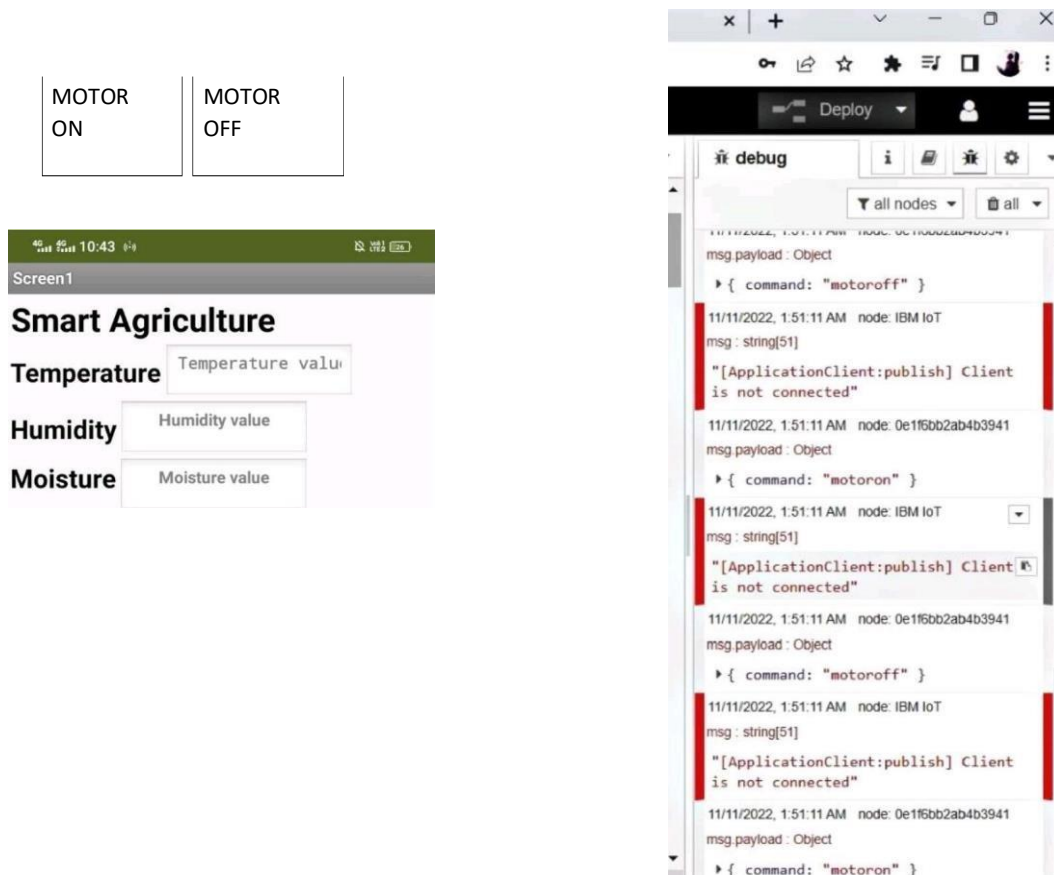
## Receiving the data from the Watson Platform and MIT AppInventor



## Web Application UI (for reference)



## MIT App as Input and Node Red as Output



# User Interface Displaying the Random Data

