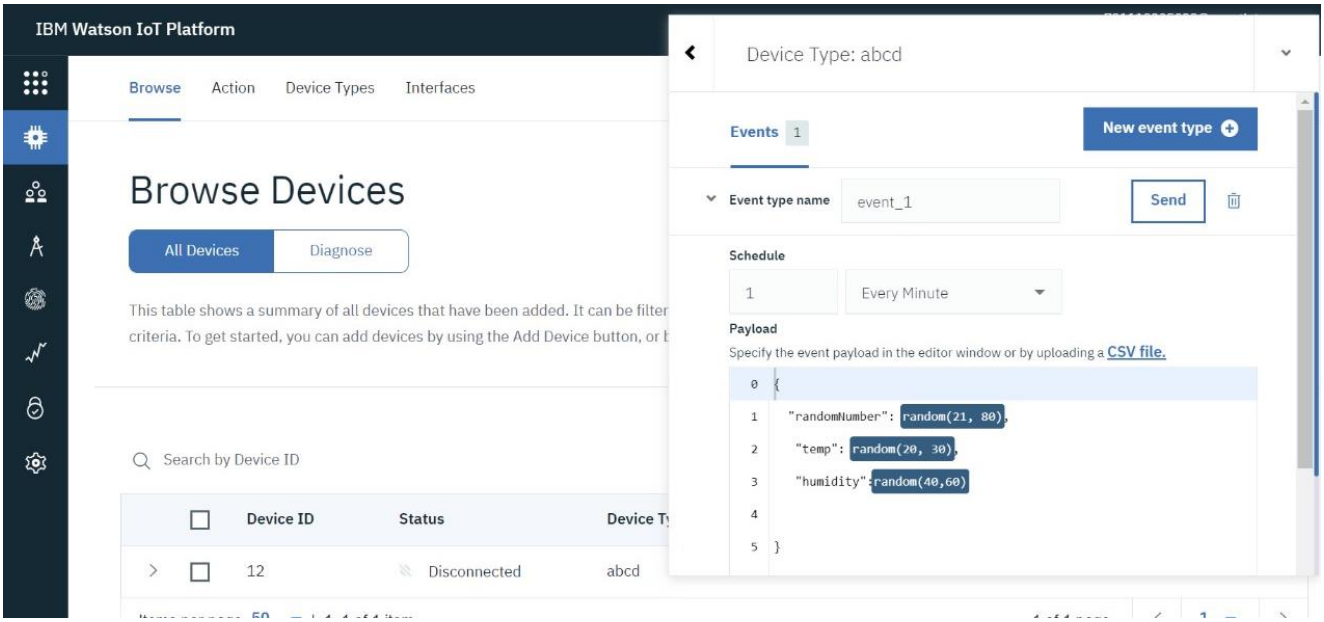
SPRINT – 3

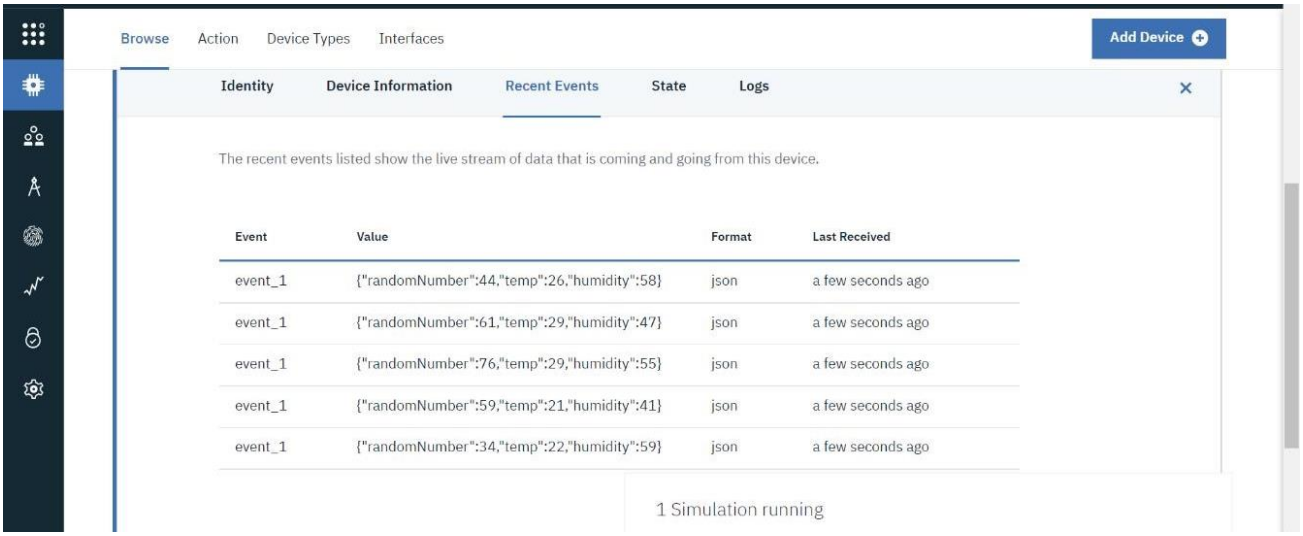
Date	17 November 2022
Team ID	PNT2022TMID02102
Project Name	Smart farmer- IOT enabled smart farming application

WEB APPLICATION

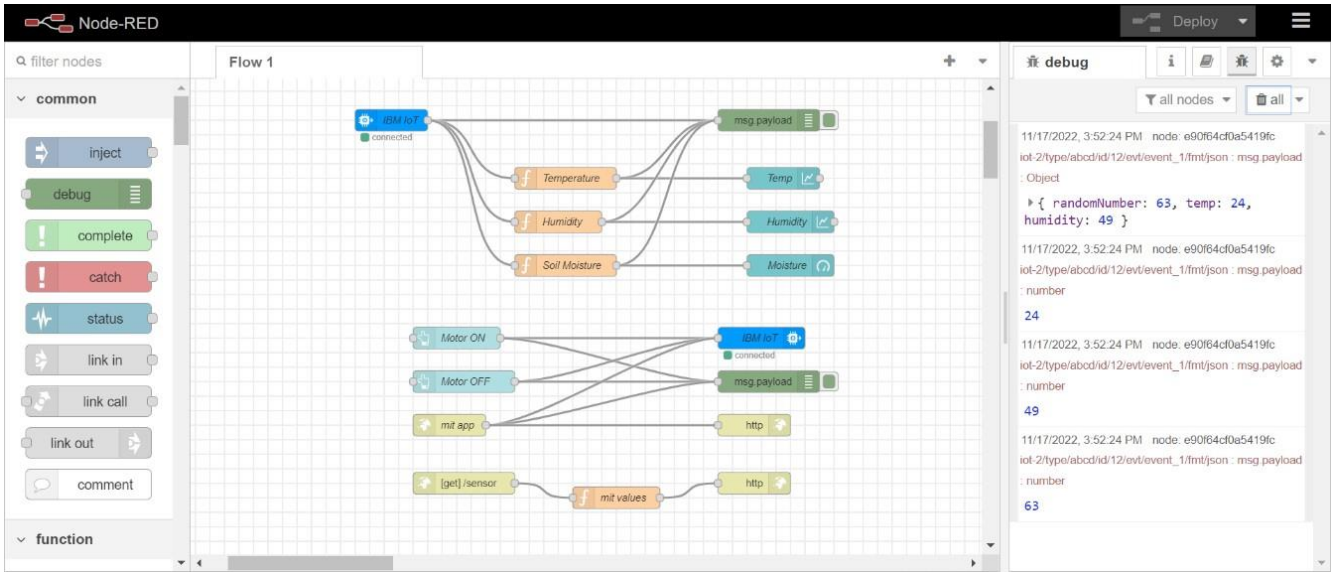
Step 1: Generate random values of Humidity, Temperature, Soil Moisture are generated from events in the Watson IOT platform.



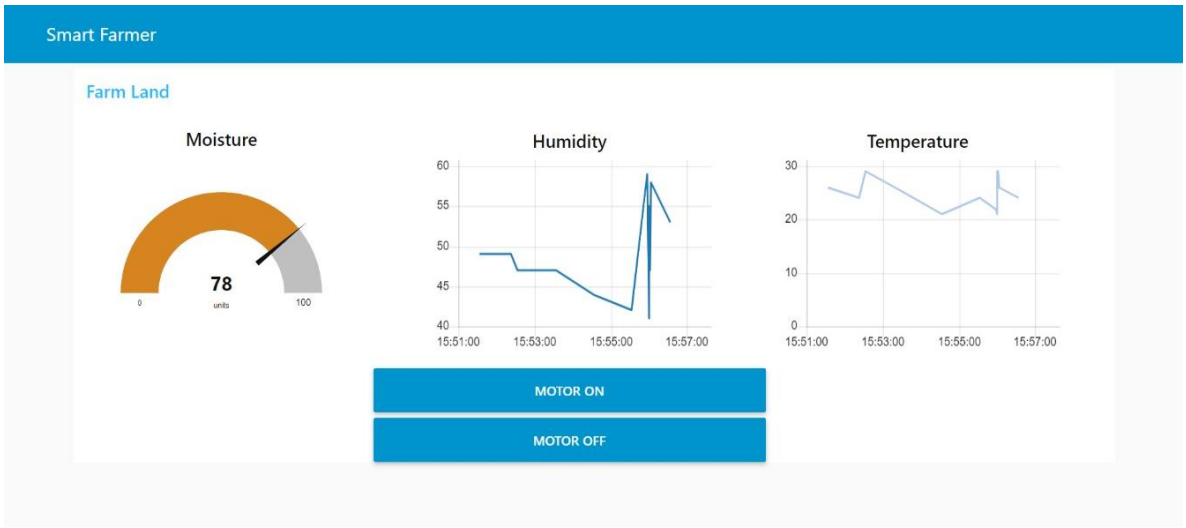
Step 2: The values are generated for every minute as payload from events in the form of **json** format.



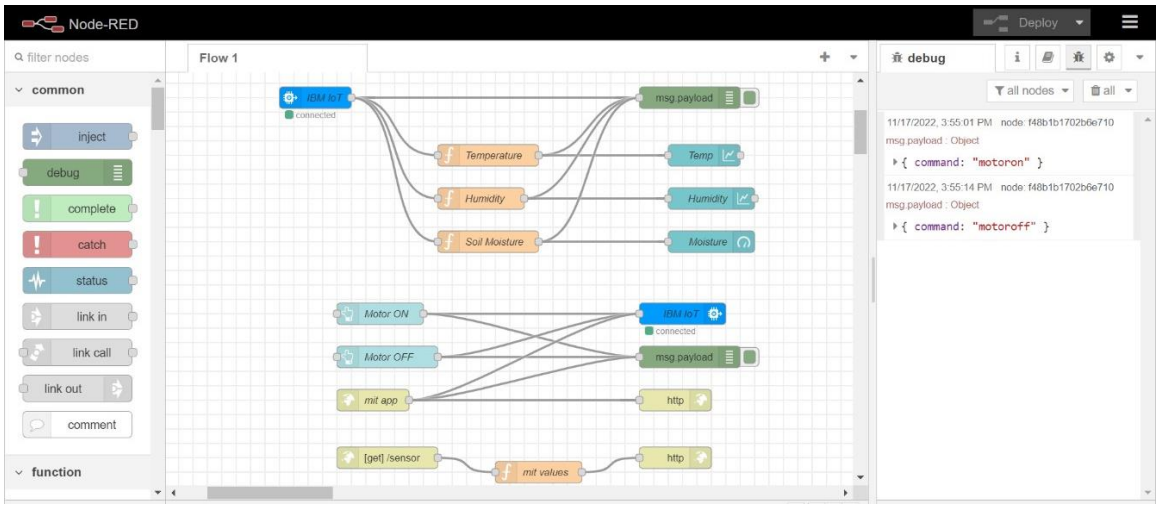
Step 3: Node-RED is an editor used to create the flow between the nodes and has to be deployed once the flow has been made. Once deployment is done the editor displays the details of temperature, soil moisture, humidity in the debug section.



Step 4: The **Smart Farmer** dashboard is viewed once the deployment is completed where we can able to view the graphs of Humidity and Temperature. Gauge is used to view the moisture.



Step 5: When the **Motor ON** button is clicked the we receive the output as **"motoron"** and **Motor OFF** button is clicked we receive the output as **"motoroff"**. And these output are received in the debug section of the editor.



Step 6: The output is also received in the **python code editor** when the buttons are clicked in the dashboard and random values are also generated.