Sprint Delivery – 2

Project	IoT Enabled Smart Farming Application
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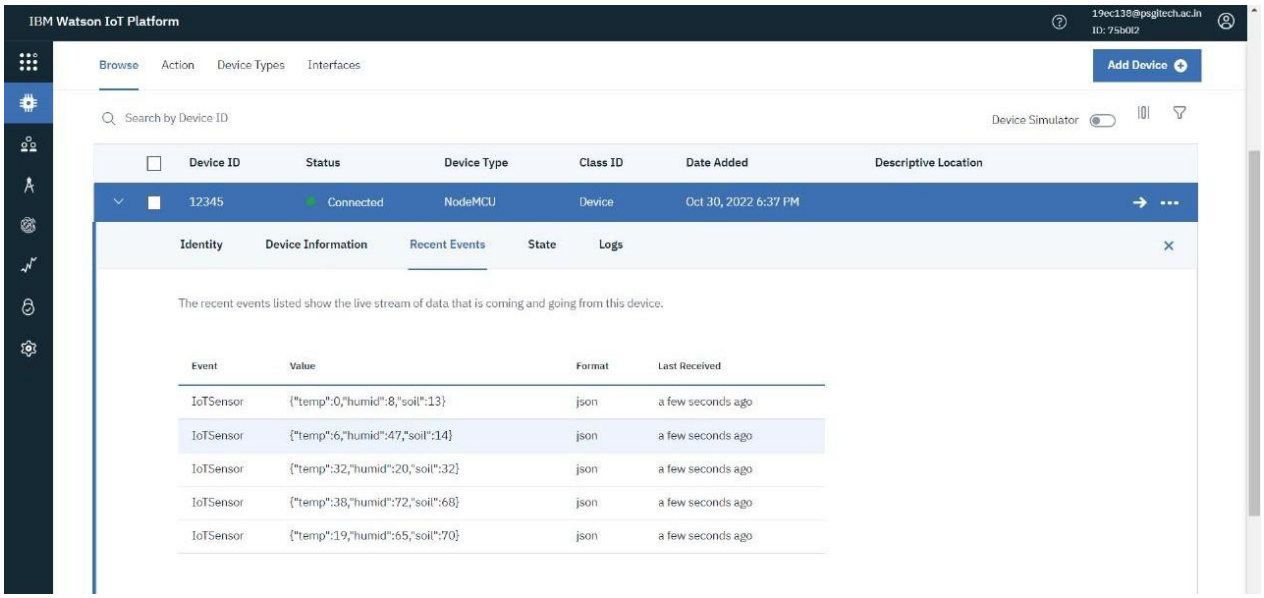
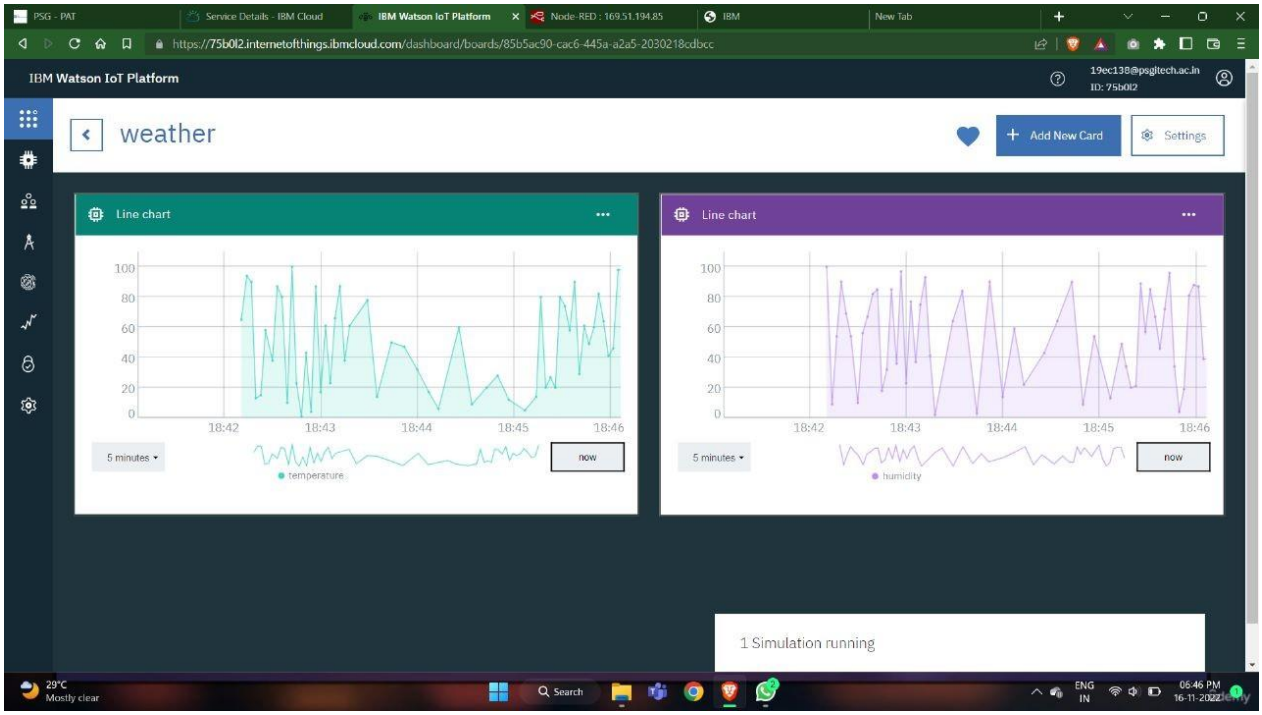
Connecting IOT Simulator to IBM Watson IOTPlatform:

Give the credentials of your device in IBM Watson IOTPlatformClick on connect My credentials given to simulator are:

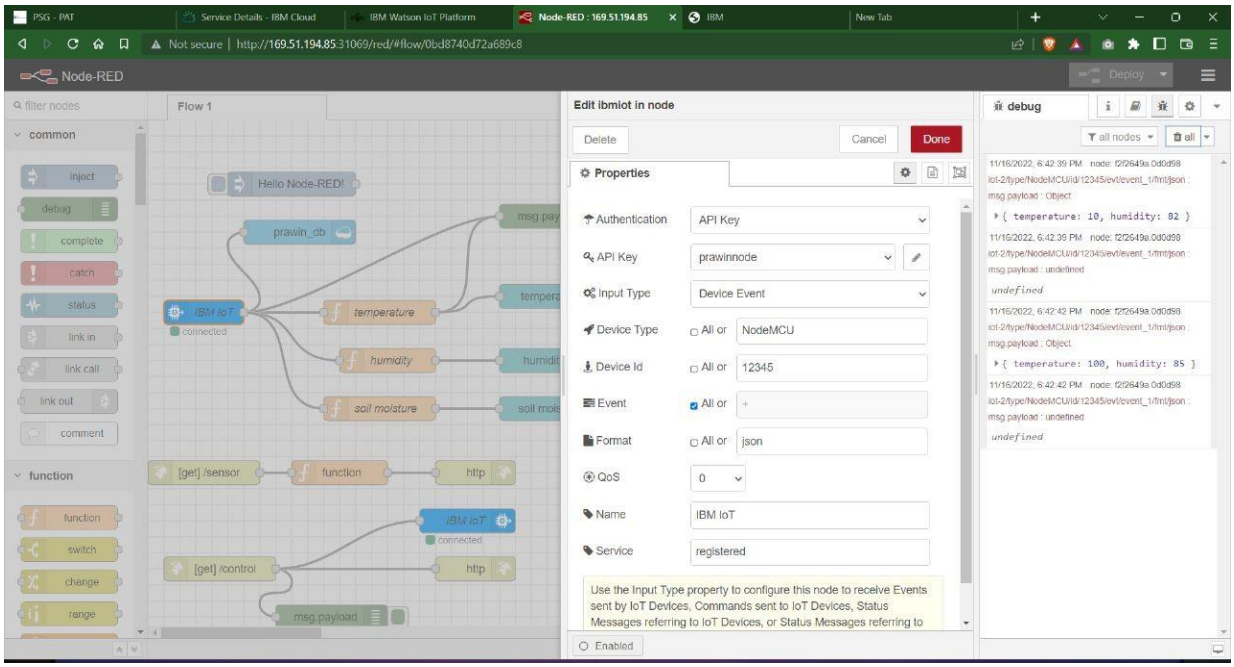
OrgID: 75b012
Device type : NodeMCU
Authentication method : use-token-auth
Device ID : 12345
Authentication Token : 12345678



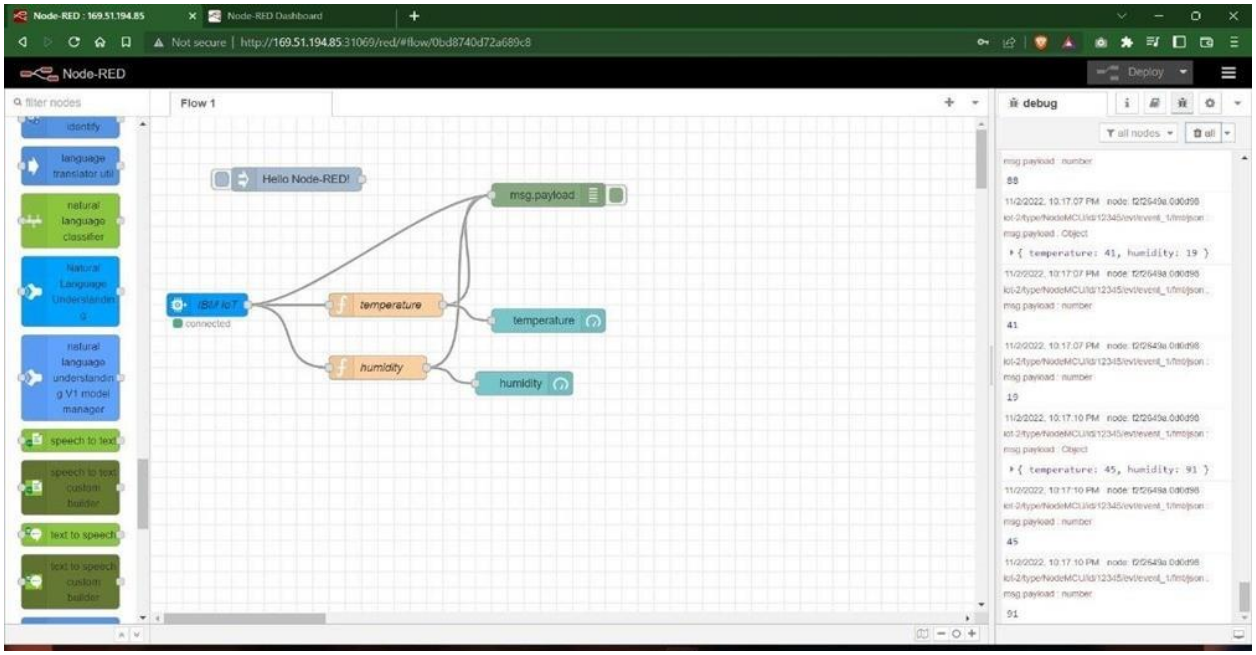
For initial testing , a node MCU device is created in IBM Watson IOT platform .Further the simulation is made run and Json data is seen in recent events of the same device. Also the graph has been visualized.



For the next process, the randomly generated values should be displayed in Node Red. So the Node red is configured.



Configuring Node-RED:



Once it is connected, Node-Red receives data from the device. Display the data using debug node for verification. Connect the function node and write the Java script code to get each reading separately.

The Java script code for the function node is:

msg.payload = msg.payload.d.temperature return msg;

Finally connect Gauge nodes from dashboard to see the data in UI