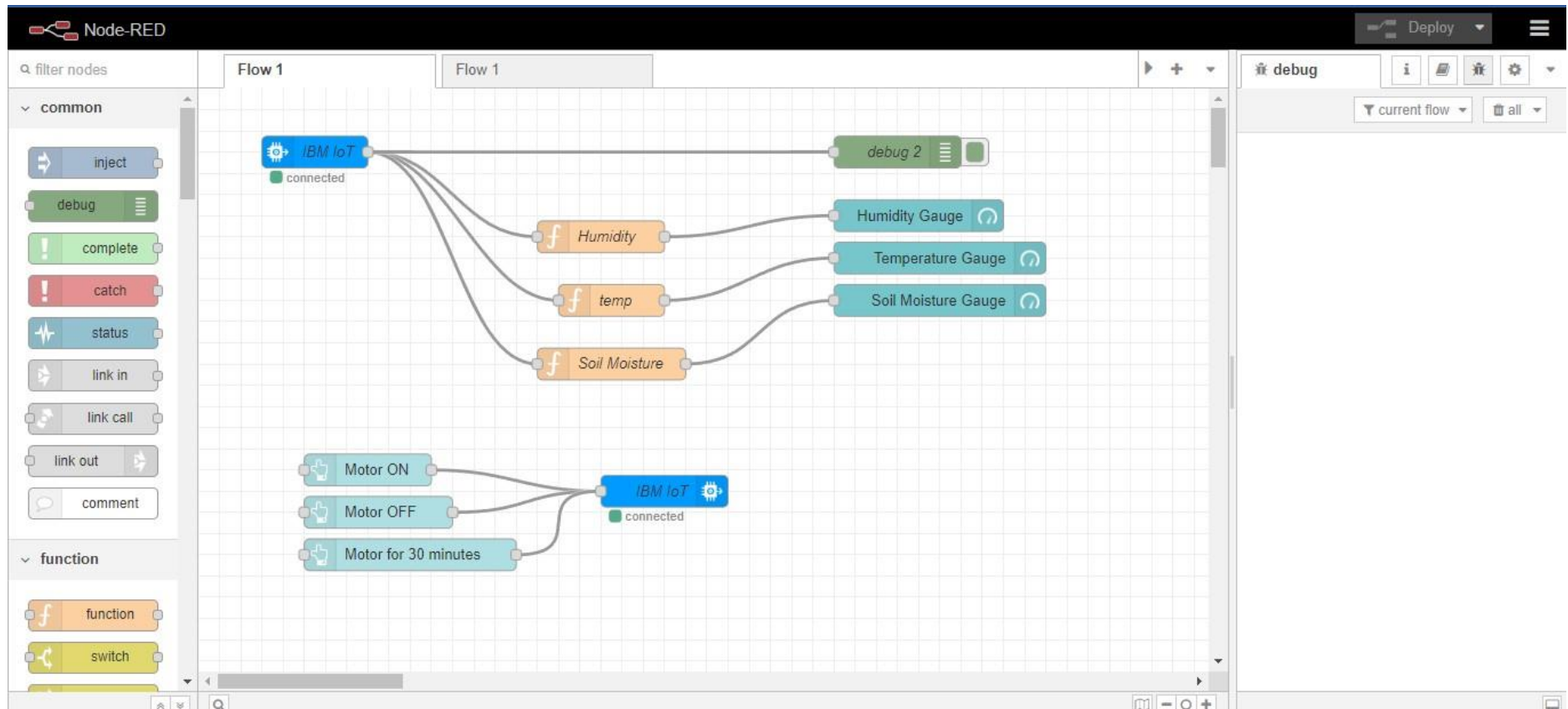


Create The IBM Watson IoT Platform And A Device

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID31754
Content	Node-RED

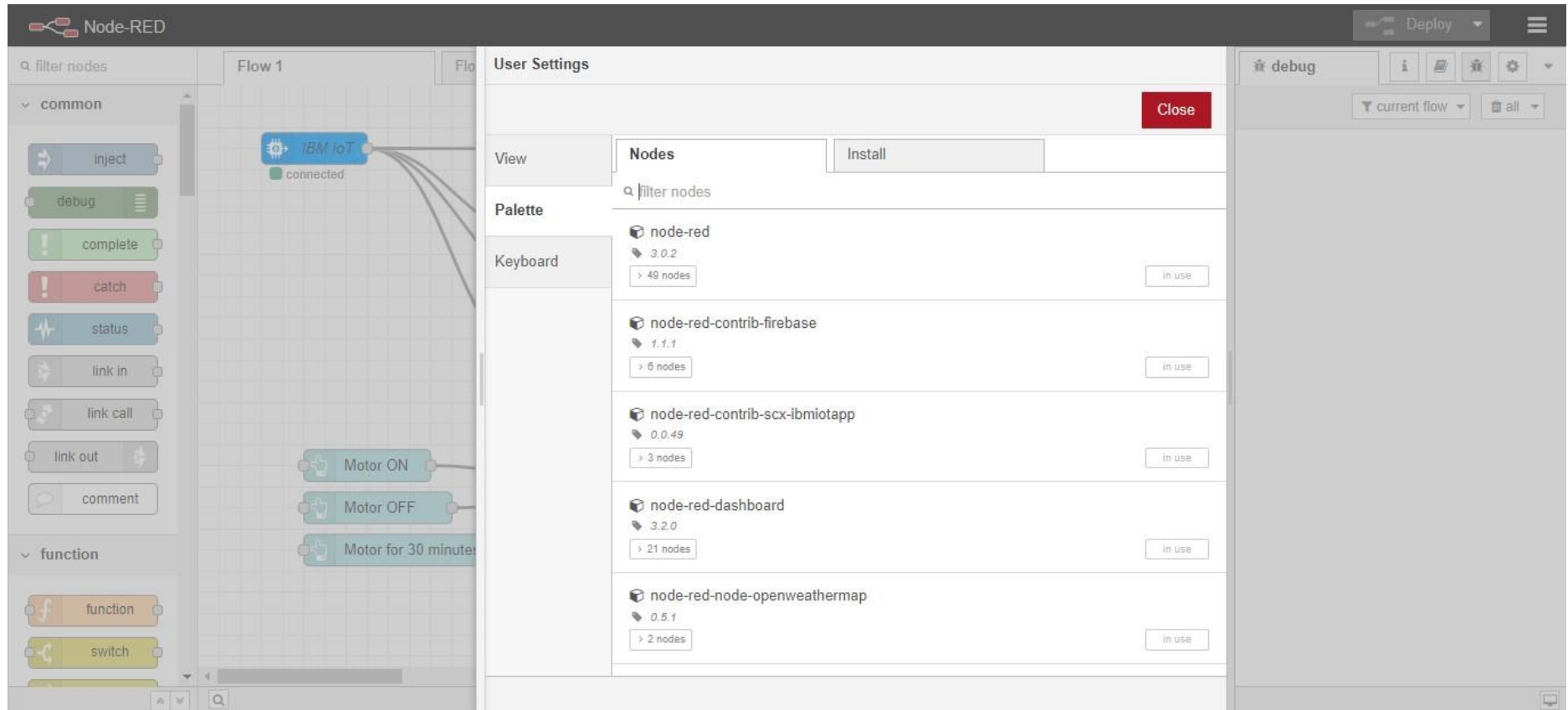
STEP 1:

Login into IBM Cloud and Open your node-red app.



STEP 2:

For IBM Cloud connection you need certain nodes which can be installed by going to Manage Palette and then install required nodes.



STEP 3:

Now you can connect your cloud by entering API Credentials and enter device details.

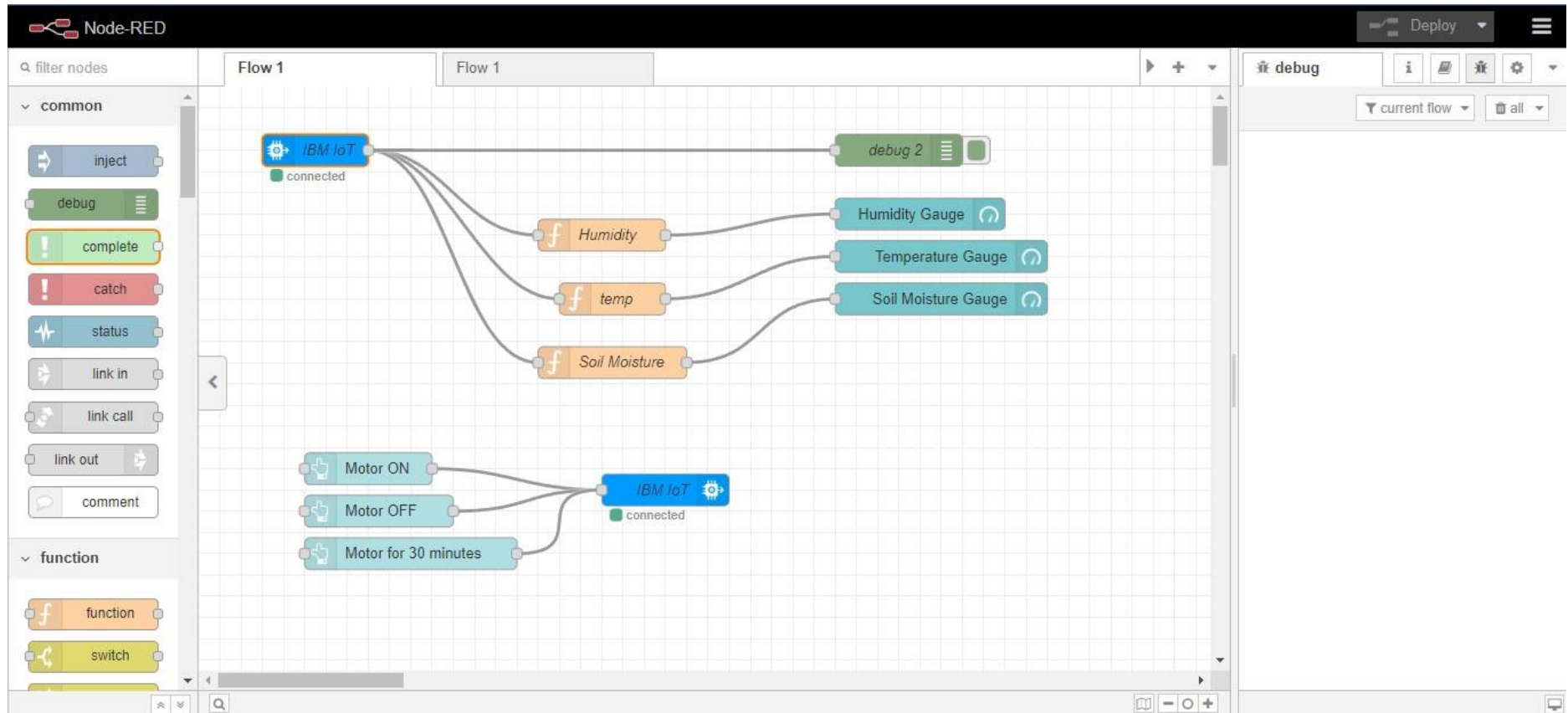
The screenshot displays the Node-RED web interface. On the left, the 'common' and 'function' node palettes are visible. The main workspace shows a flow named 'Flow 1' with an 'IBM IoT' node (labeled 'connected') connected to three function nodes: 'Humidity', 'temp', and 'Soil Moisture'. Below these, there are three trigger nodes: 'Motor ON', 'Motor OFF', and 'Motor for 30 minutes', all connected to another 'IBM IoT' node (labeled 'connected'). On the right, the 'Edit ibmiot in node' configuration panel is open. It includes a 'Delete' button, 'Cancel', and 'Done' buttons. The 'Properties' section contains the following settings:

- Authentication: API Key
- API Key: Test
- Input Type: Device Event
- Device Type: ☐ All or Testing
- Device Id: ☒ All or device id e.g. ab12cd231a21
- Event: ☒ All or +
- Format: ☐ All or json
- QoS: 0
- Name: IBM IoT
- Service: registered

At the bottom of the panel, there is an 'Enabled' checkbox which is currently unchecked.

STEP 4:

Create your flow by drag and drop the elements.



You can see web ui by adding ui after your url.

STEP 5:


127.0.0.1:1880/ui/#/1?socketid=8zv8yFIIXwF5Fj1wAAAB

Gmail YouTube Comprehensive Lea... Linear Search Algor... AGNI COLLEGE OF... Getting Started wit... NPTEL Naan Mudhalvan WhatsApp Any.do

Testing Home

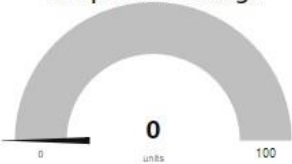
Default

Soil Moisture Gauge




0 units 100

Temperature Gauge



0 units 100

Humidity Gauge



0 units 100

Group 2

MOTOR ON

MOTOR OFF

MOTOR FOR 30 MINUTES

