

## DEVELOP A WEB APPLICATION USING NODE-RED SERVICES

TEAM ID	PNT2022TMID24852
PROJECT TITLE	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE
DATE	05 NOVEMBER 2022

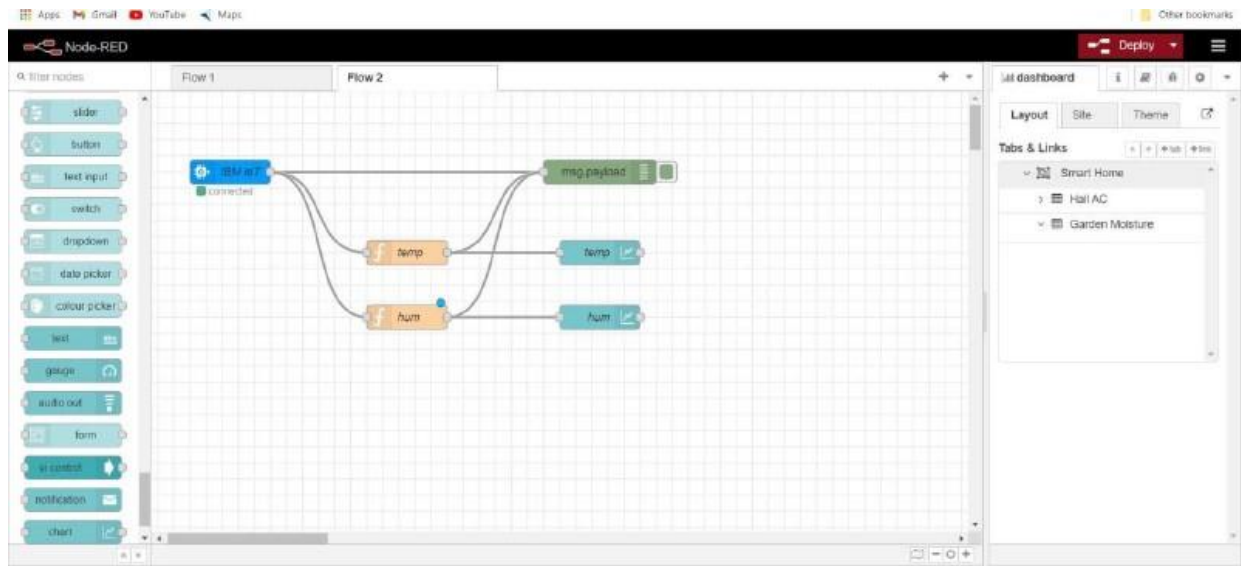
### STEP 1: Open IBM WATSON

The screenshot displays the IBM Watson IoT Platform interface. On the left, a sidebar contains navigation icons. The main area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, and Date. Two devices are listed: 2735 (Disconnected, Raspberry) and 6880 (Disconnected, abcd). The device 6880 is selected, and its details are shown in a modal window. The modal window has tabs for Identity, Device Information, Recent Events, State, and Logs. The Device Information tab is active, showing details for device 6880: Device ID 6880, Device Type abcd, Date Added Nov 14, 2022 7:06 PM, Added By si2022bm01742@smartintemz.com, and Connection Status Disconnected. On the right, a configuration window for 'Device Type: abcd' is open, showing event configuration. It includes a 'New event type' button, a 'Send' button, a 'Schedule' dropdown set to 'Every Minute', and a 'Payload' section with a JSON editor. The JSON editor contains the following code:

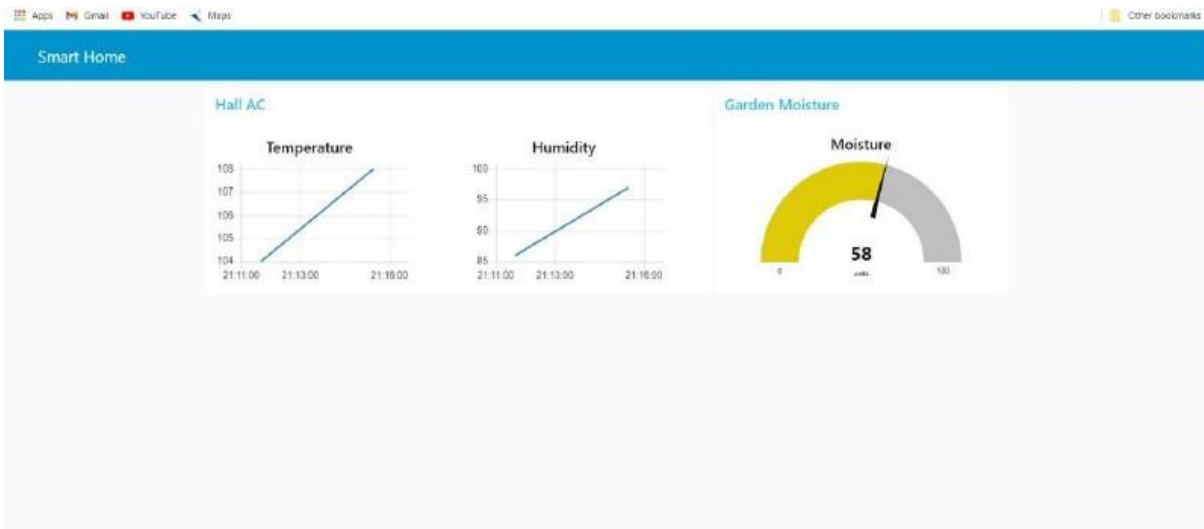
```
{
  "randomNumber": random(0, 100),
  "temp": random(10, 130),
  "hum": random(50, 100)
}
```

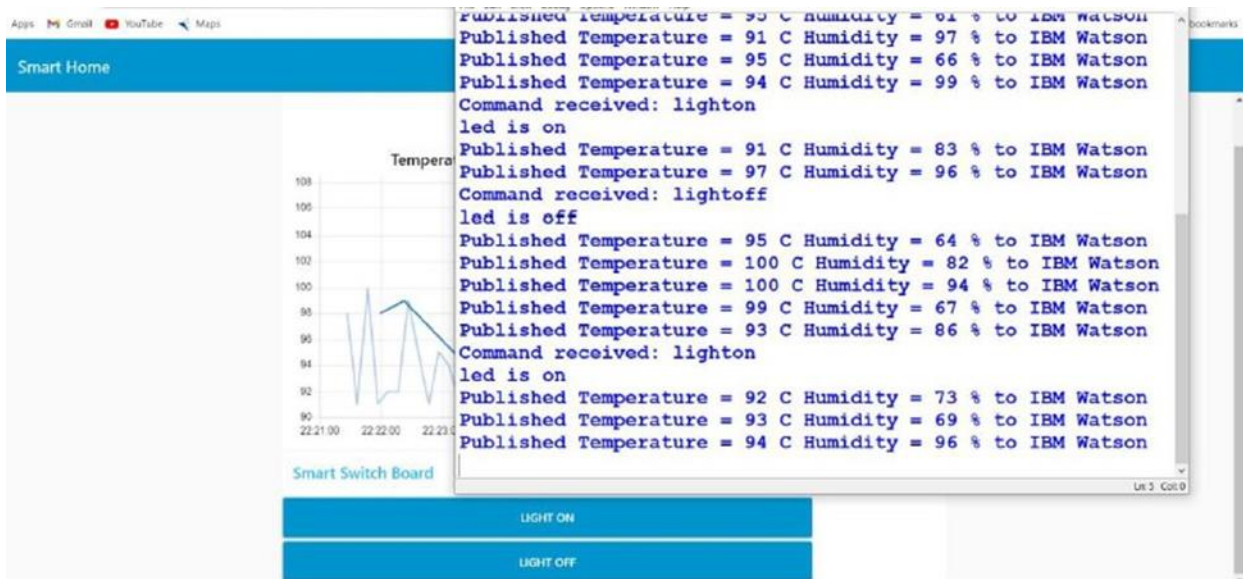
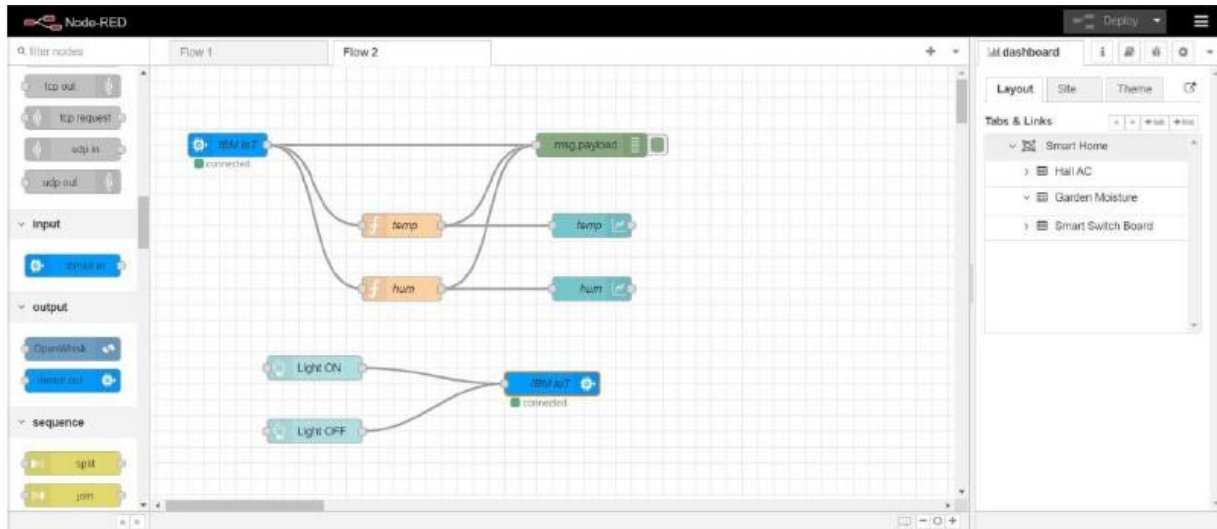
Below the JSON editor is an 'Upload a CSV file' button. At the bottom of the configuration window are 'Cancel' and 'Save' buttons.

## STEP 2: Open Node RED

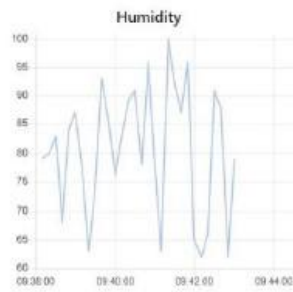
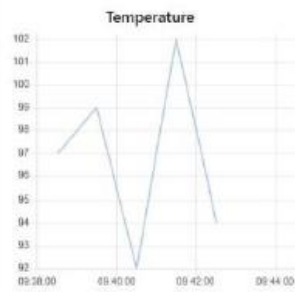


## STEP 3: Get OUTPUT





## Smart Home



### Smart Switch Board

LIGHT ON

LIGHT OFF