## SPRINT-2

Date	31 OCTOBER 2022
TEAM ID	PNT2022TMID13455
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

## STEP1: Download and Install NODE JS.



## Downloads

Latest LTS Version: **18.12.1** (includes npm 8.19.2)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.



STEP2: Setup node.js and configure command prompt for error check.open node-red from the generated link.

```
A Nov 18:48:05 - [info] Node-RED version: v3.0.2

4 Nov 18:48:05 - [info] Node-RED version: v18.12.0

4 Nov 18:48:05 - [info] Node-js version: v18.12.0

4 Nov 18:48:05 - [info] Windows_NT 10.0.19044 x64 LE

4 Nov 18:48:26 - [info] Loading palette nodes

4 Nov 18:48:25 - [info] Context store : 'default' [module-memory]

4 Nov 18:48:45 - [info] User directory : \Users\ELCOT\.node-red

4 Nov 18:48:45 - [info] User directory : \Users\ELCOT\.node-red

4 Nov 18:48:45 - [info] Flow file : \Users\ELCOT\.node-red\flows.json

4 Nov 18:48:45 - [info] Creating new flow file

4 Nov 18:48:45 - [info] Creating new flow file

7 Nov 18:48:45 - [warn]

Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials

file will not be recoverable, you will have to delete it and re-enter

your credentials.

You should set your own key using the 'credentialSecret' option in

your settings file. Node-RED will then re-encrypt your credentials

file using your chosen key the next time you deploy a change.

4 Nov 18:48:45 - [warn] Encrypted credentials not found

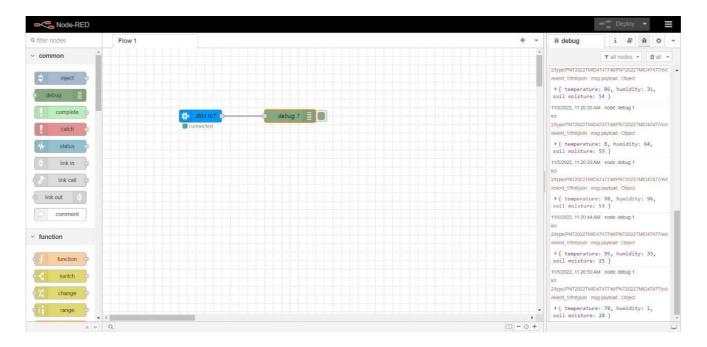
4 Nov 18:48:45 - [warn] Encrypted credentials not found

4 Nov 18:48:45 - [info] Started flows

4 Nov 18:48:46 - [info] Started flows

4 Nov 18:48:46 - [info] Server now running at http://127.0.0.1:1880/
```

STEP3: Connect IBM IOT in and Debug 1 and Deploy.



STEP4: Edit gauge node (Here the gauge nodes are named as Temperature, Humidity and Soil moisture).

