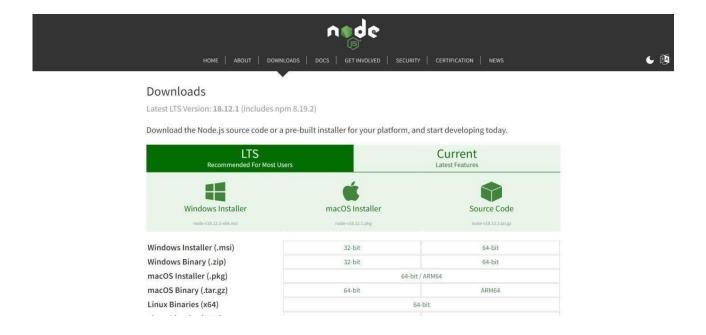
## **SPRINT-2**

TEAM ID	PNT2022TMID22829
Project Name	IoT Based smart crop Protection system for agriculture
Maximum Mark	20 Marks

## STEP1: Download and Install NODE JS.



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

```
A Nov 18:48:85 - [info] Node-RED version: v3.0.2

4 Nov 18:48:95 - [info] Node-RED version: v18.12.0

4 Nov 18:48:95 - [info] Node.js version: v18.12.0

4 Nov 18:48:95 - [info] Nindows_NT 10.0.19944 x64 LE

4 Nov 18:48:26 - [info] Settings file : C:\Users\ELCOT\.node-red\settings.js

4 Nov 18:48:45 - [info] Settings file : C:\Users\ELCOT\.node-red

4 Nov 18:48:45 - [info] Settings file : C:\Users\ELCOT\.node-red

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

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

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

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

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

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

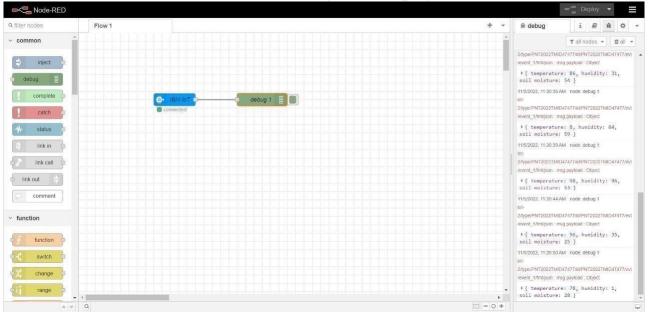
4 Nov 18:48:45 - [info] Starting flows

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

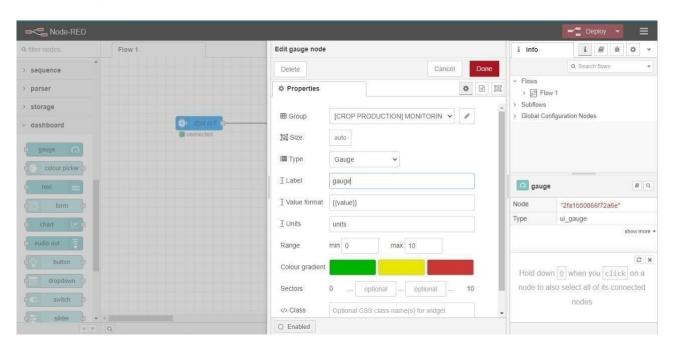
4 Nov 18:48:46 - [info] Started flows

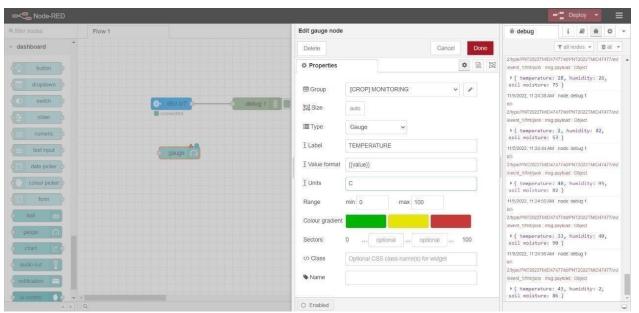
4 Nov 18:48:46 - [info] Started flows
```

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

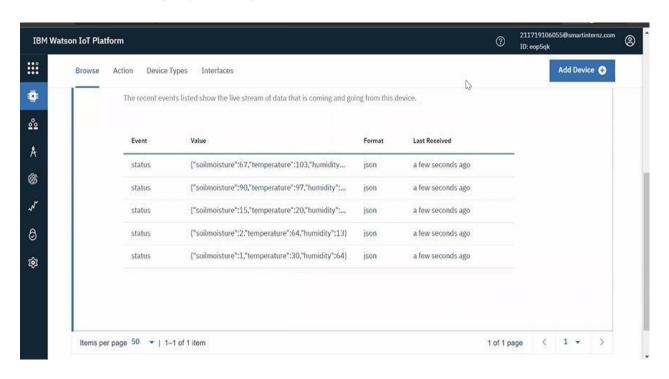


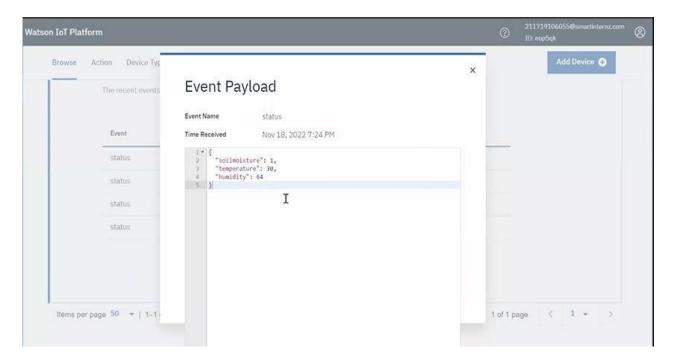
STEP4: Edit gauge node (Here the gauge nodes are named as Temperature, Humidity and Soil moisture).



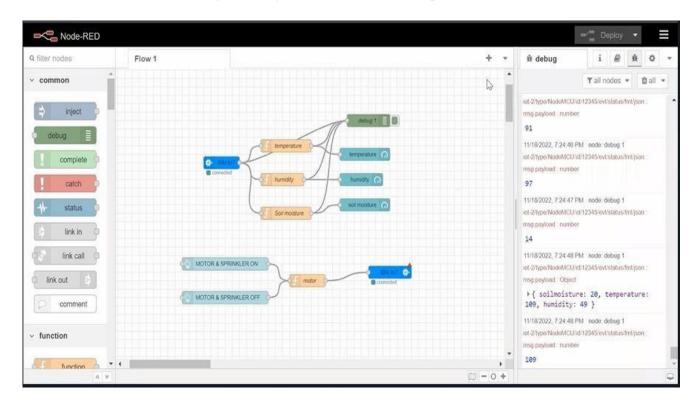


STEP 5: Simulated program to get the random values.





STEP6: Generate the debug message from Watson IoT platform and connect the nodes.



STEP 7: Output.



