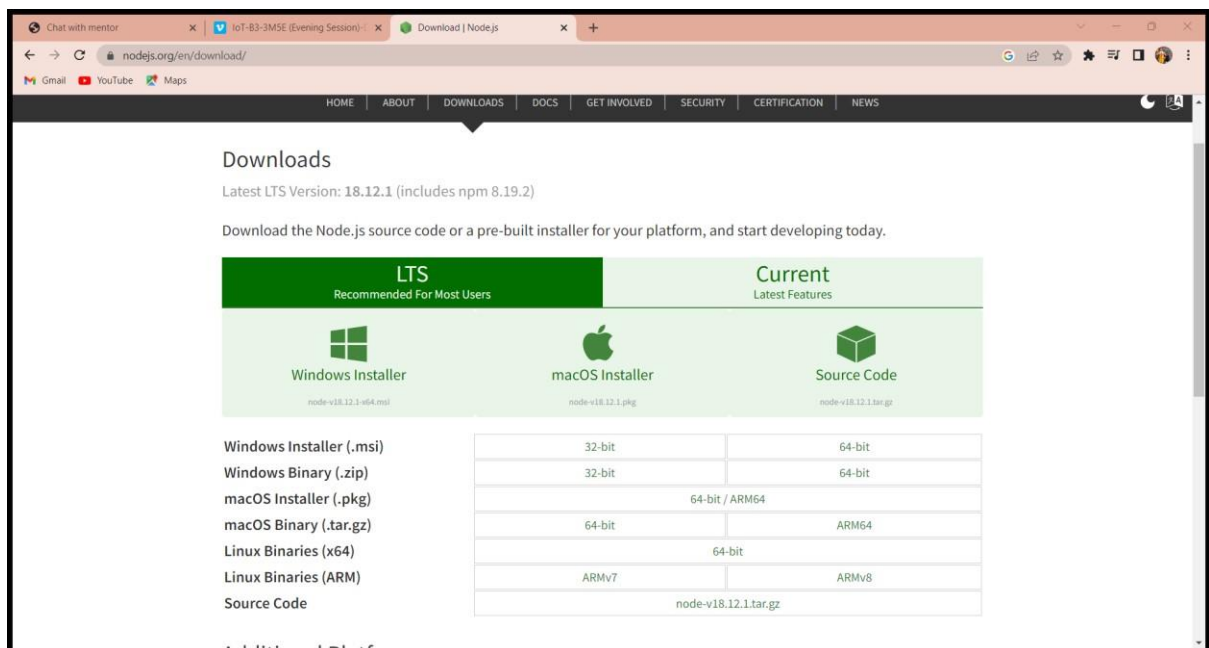


SPRINT-2

Date	31 OCTOBER 2022
TEAM ID	PNT2022TMID10536
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE
Maximum mark	20 marks

STEP 1: DOWNLOAD AND INSTALL NODE JS



The screenshot shows the Node.js Downloads page in a web browser. The page title is "Downloads" and it indicates the latest LTS version is 18.12.1 (including npm 8.19.2). It prompts users to download the Node.js source code or a pre-built installer for their platform. There are two main tabs: "LTS Recommended For Most Users" and "Current Latest Features". Under the "LTS" tab, there are three main categories: "Windows Installer" (node-v18.12.1-x64.msi), "macOS Installer" (node-v18.12.1.pkg), and "Source Code" (node-v18.12.1.tar.gz). Below these, there are links for "Windows Installer (.msi)", "Windows Binary (.zip)", "macOS Installer (.pkg)", "macOS Binary (.tar.gz)", "Linux Binaries (x64)", "Linux Binaries (ARM)", and "Source Code". A table lists the available binaries for different architectures:

32-bit	64-bit
32-bit	64-bit
64-bit / ARM64	
64-bit	ARM64
64-bit	
ARMv7	ARMv8
node-v18.12.1.tar.gz	

STEP 2: SET UP NODE.JS AND CONFIGURE COMMAND PROMPT FOR ERROR CHECK.OPEN NODE-RED FROM THE GENERATED LINK

```
node-red
16 Nov 11:24:00 - [info] Node-RED version: v3.0.2
16 Nov 11:24:00 - [info] Node.js version: v19.0.1
16 Nov 11:24:00 - [info] Windows_NT 10.0.22000 x64 LE
16 Nov 11:24:01 - [info] Loading palette nodes
16 Nov 11:24:01 - [info] Settings file : C:\Users\SHAIK BADULLA BABA\.node-red\settings.js
16 Nov 11:24:01 - [info] Context store : 'default' [module=memory]
16 Nov 11:24:01 - [info] User directory : \Users\SHAIK BADULLA BABA\.node-red
16 Nov 11:24:01 - [warn] Projects disabled : editorTheme.projects.enabled=false
16 Nov 11:24:01 - [info] Flows file : \Users\SHAIK BADULLA BABA\.node-red\flows.json
16 Nov 11:24:01 - [info] Creating new flow file
16 Nov 11:24:01 - [warn]

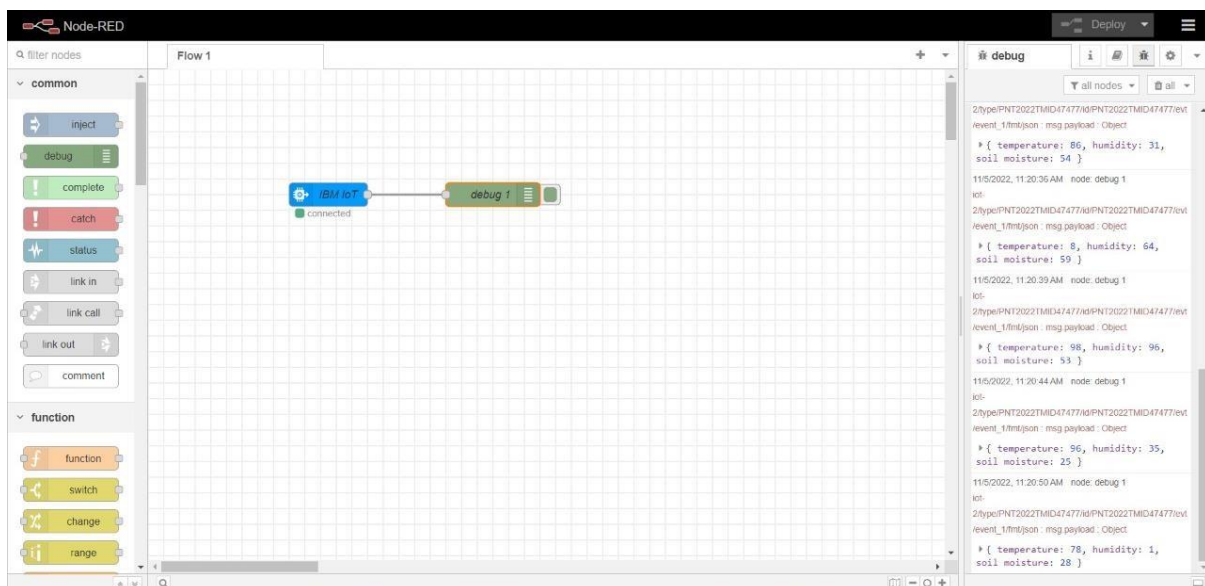
-----
Your flow credentials file is encrypted using a system-generated key.

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.
-----

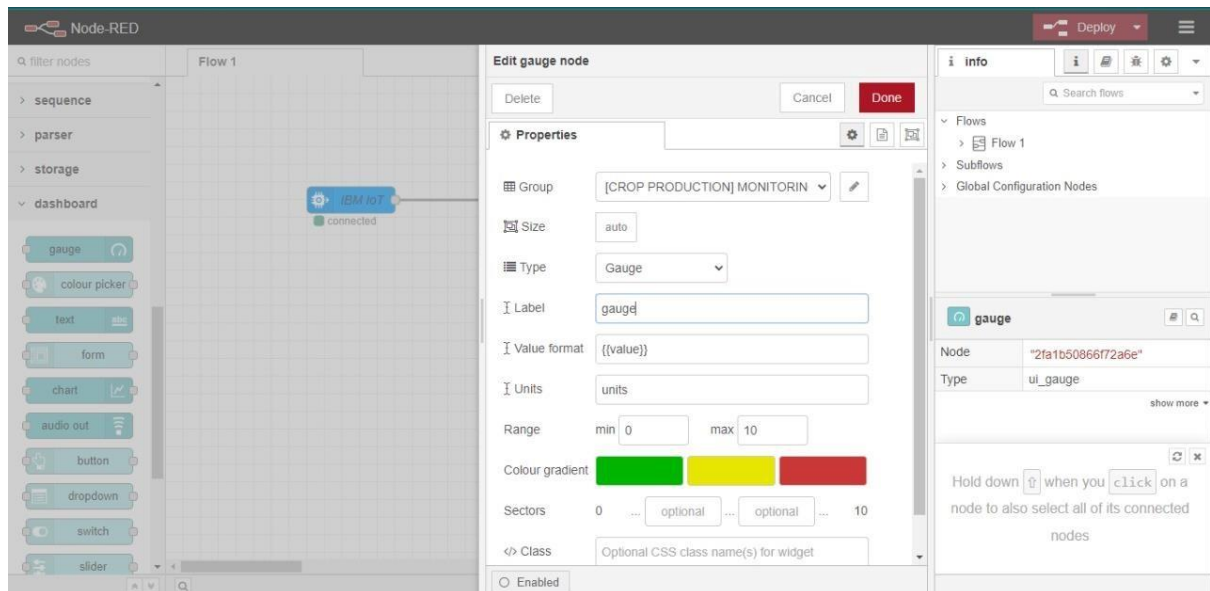
16 Nov 11:24:01 - [warn] Encrypted credentials not found
16 Nov 11:24:01 - [info] Server now running at http://127.0.0.1:1880/
16 Nov 11:24:01 - [info] Starting flows
16 Nov 11:24:01 - [info] Started flows
```

STEP 3: CONNECT IBM IOT INPUT AND DEBUG-1 AND DEPLOY



STEP 4: EDIT GAUGE NODE (HERE THE GAUGE NODE NAMED AS TEMPERATURE, HUMIDITY AND SOIL MOISTURE)

(i)



(ii)

