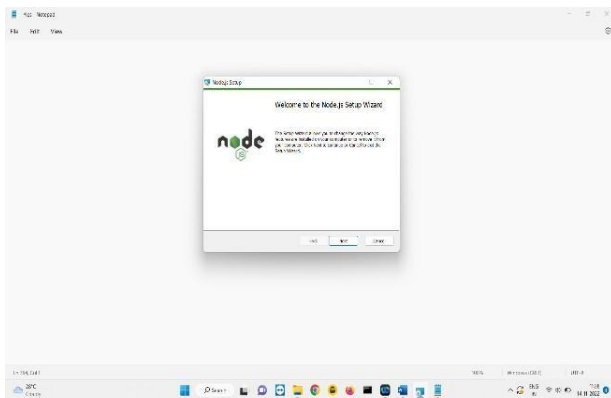


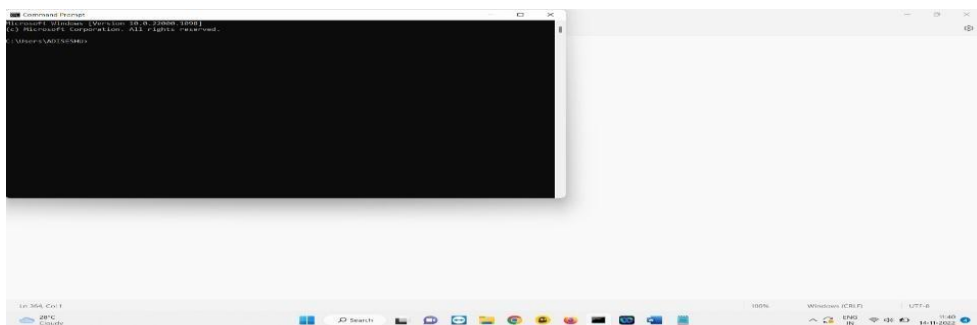
CREATE NODE – RED SERVICE

DATE	18- NOVEMBER -2022
TEAM ID	PNT2022TMID07330
PROJECT NAME	IOT Based Smart Crop Protection System for Agriculture

Step 1 : Install node.js

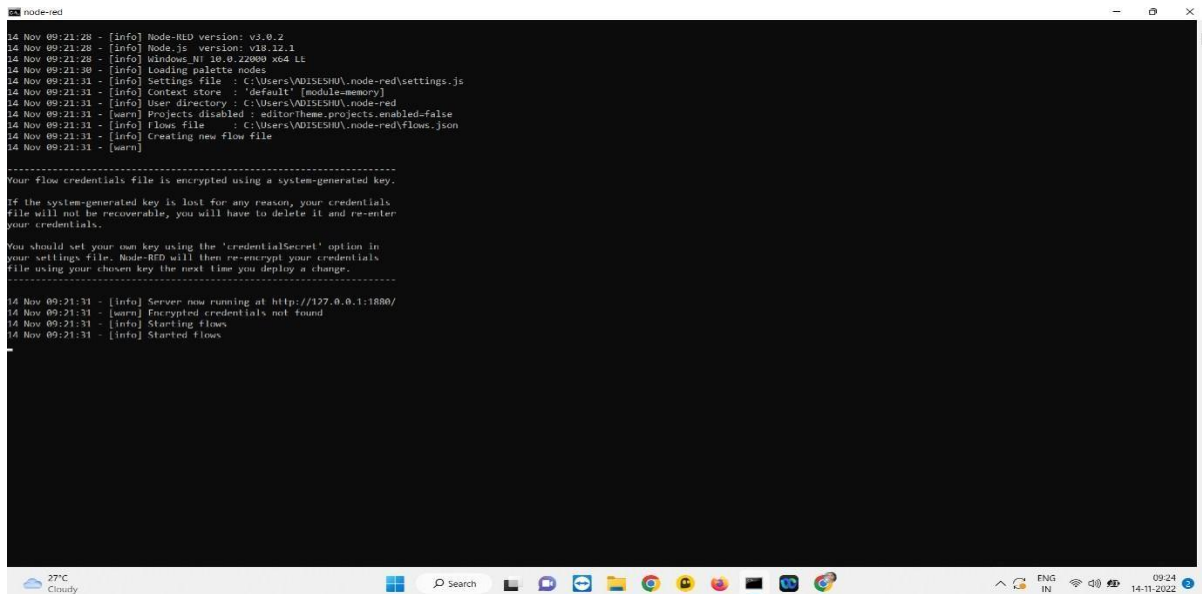


Step 2 :Next open command terminal



STEP 3 : Type "npm install -g —unsafe-perm node-red" to download the node-red local service to your computer.

STEP 4 : Following installation, we must verify the node-red service for that type.



```
node-red
14 Nov 09:21:28 - [info] Node-RED version: v3.0.2
14 Nov 09:21:28 - [info] Node.js version: v18.12.1
14 Nov 09:21:28 - [info] Windows_NT 10.0.22000 x64 LE
14 Nov 09:21:30 - [info] Loading palette nodes
14 Nov 09:21:31 - [info] Settings file : C:\Users\VDISESHU\node-red\settings.js
14 Nov 09:21:31 - [info] Context store : 'default' [module=memory]
14 Nov 09:21:31 - [info] User directory : C:\Users\VDISESHU\node-red
14 Nov 09:21:31 - [warn] Projects disabled : editorTheme.projects.enabled=false
14 Nov 09:21:31 - [info] Flows file : C:\Users\VDISESHU\node-red\flows.json
14 Nov 09:21:31 - [info] Creating new flow file
14 Nov 09:21:31 - [warn]

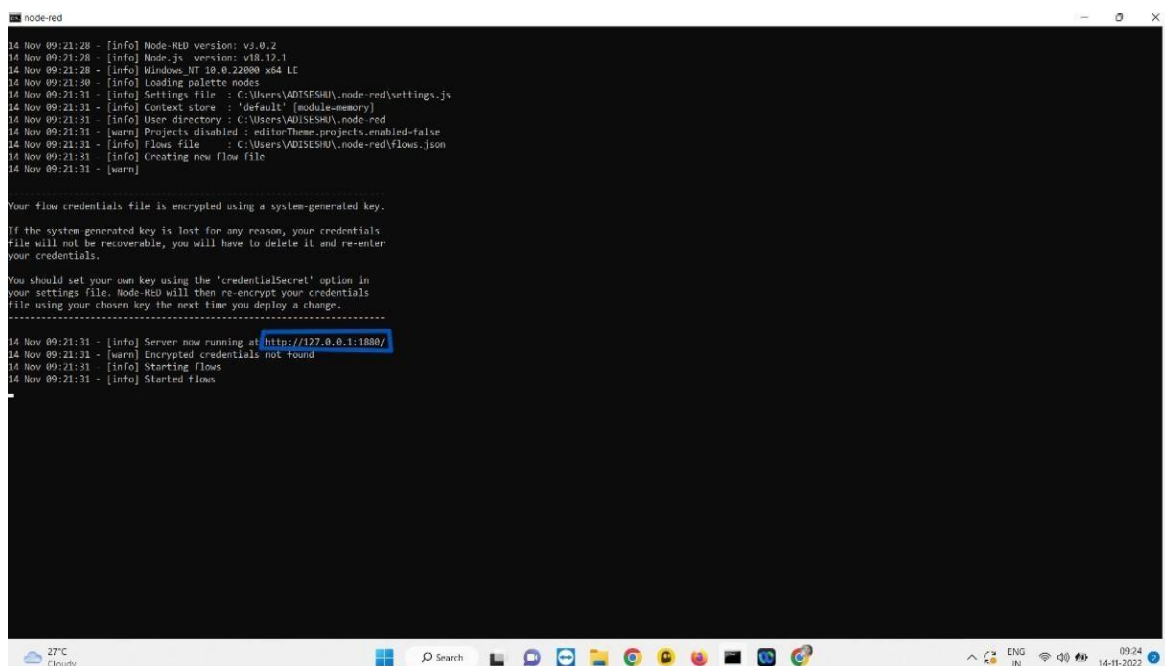
-----
Your flow credentials file is encrypted using a system-generated key.

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.
-----

14 Nov 09:21:31 - [info] Server now running at http://127.0.0.1:1880/
14 Nov 09:21:31 - [warn] Encrypted credentials not found
14 Nov 09:21:31 - [info] Starting flows
14 Nov 09:21:31 - [info] Started flows
```

STEP 5 : The local node-red service is accessible at "http://127.0.0.1:1880," as this URL indicates.



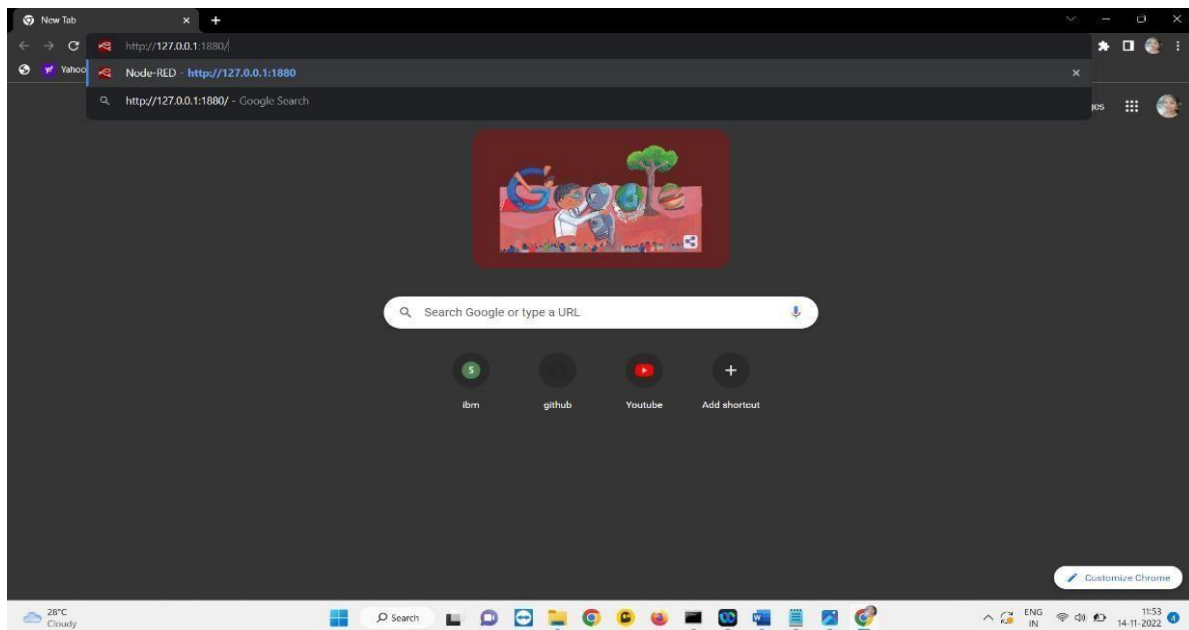
```
node-red
14 Nov 09:21:28 - [info] Node-RED version: v3.0.2
14 Nov 09:21:28 - [info] Node.js version: v18.12.1
14 Nov 09:21:28 - [info] Windows_NT 10.0.22000 x64 LE
14 Nov 09:21:30 - [info] Loading palette nodes
14 Nov 09:21:31 - [info] Settings file : C:\Users\VDISESHU\node-red\settings.js
14 Nov 09:21:31 - [info] Context store : 'default' [module=memory]
14 Nov 09:21:31 - [info] User directory : C:\Users\VDISESHU\node-red
14 Nov 09:21:31 - [warn] Projects disabled : editorTheme.projects.enabled=false
14 Nov 09:21:31 - [info] Flows file : C:\Users\VDISESHU\node-red\flows.json
14 Nov 09:21:31 - [info] Creating new flow file
14 Nov 09:21:31 - [warn]

-----
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14 Nov 09:21:31 - [info] Starting flows
14 Nov 09:21:31 - [info] Started flows
```



STEP 6 : Node-Red will then start up.

