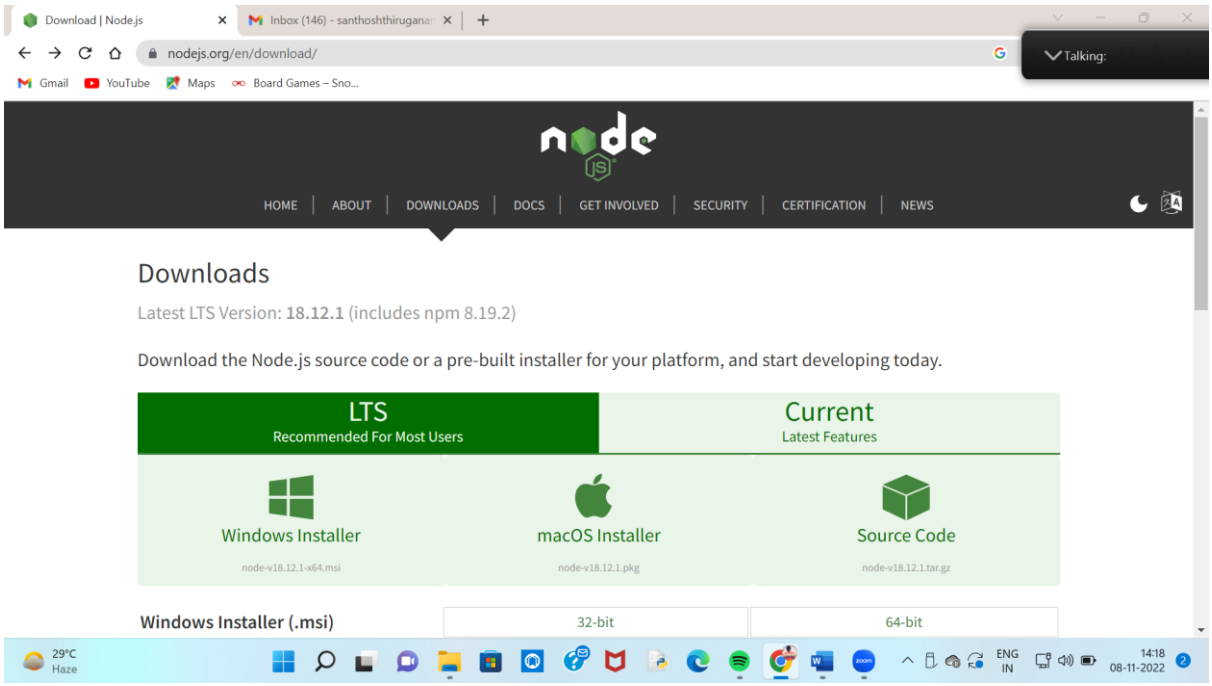
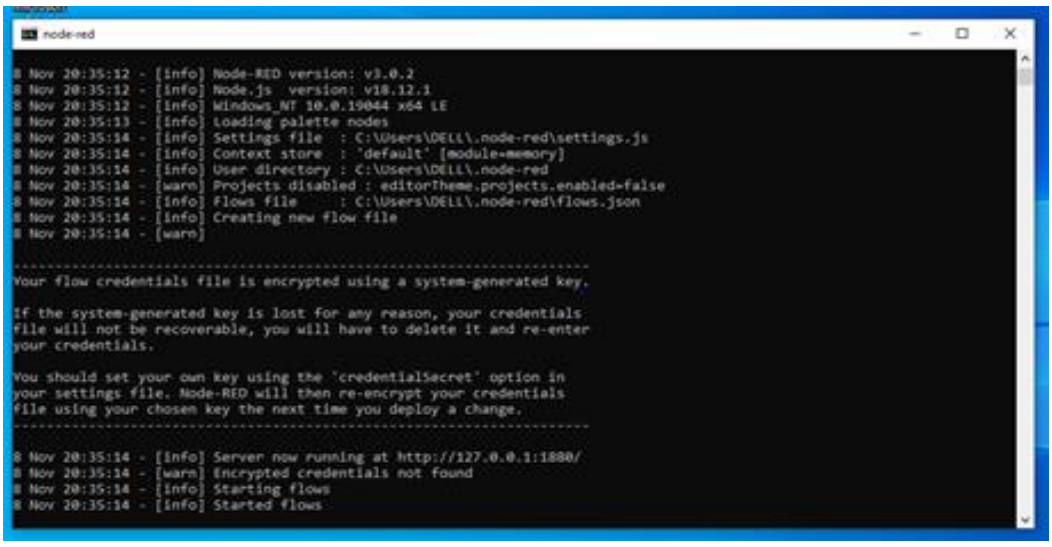
SPRINT 2

Date	31 october 2022
Team ID	PNT2022TMID38557
Project name	IOT based smart crop protection system
Maximum marks	20 marks

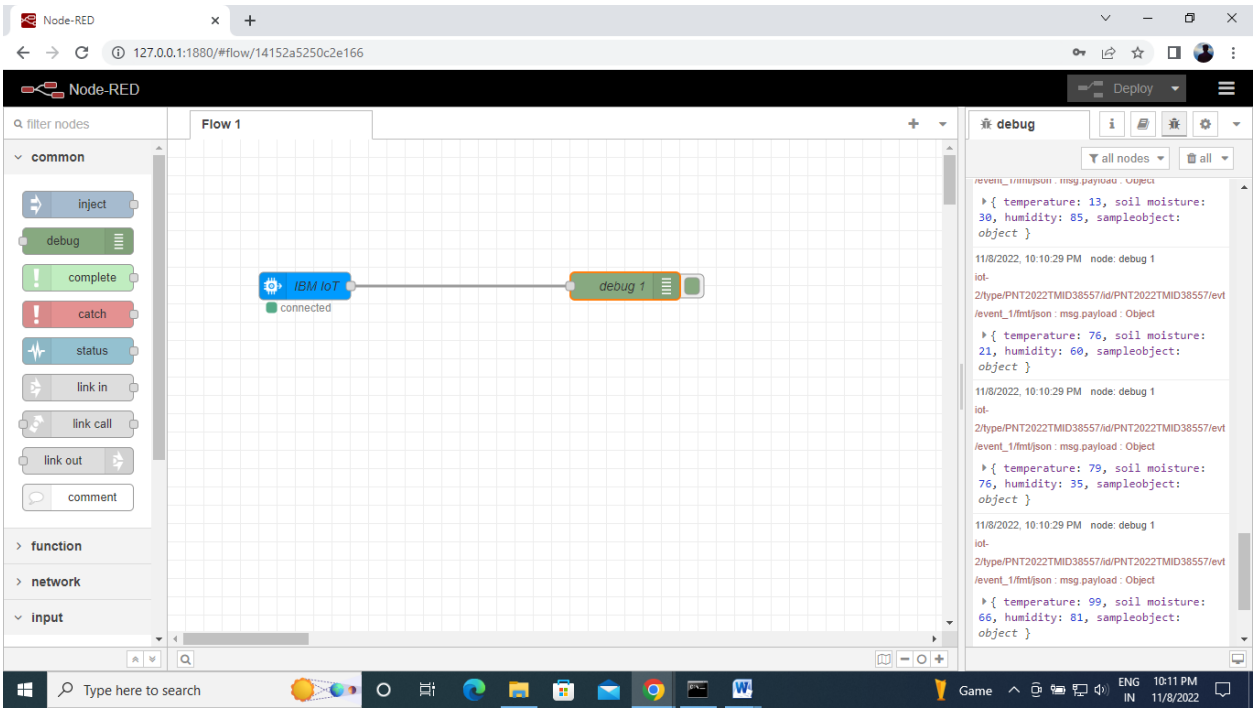
Step 1:Download and install **NODE JS**



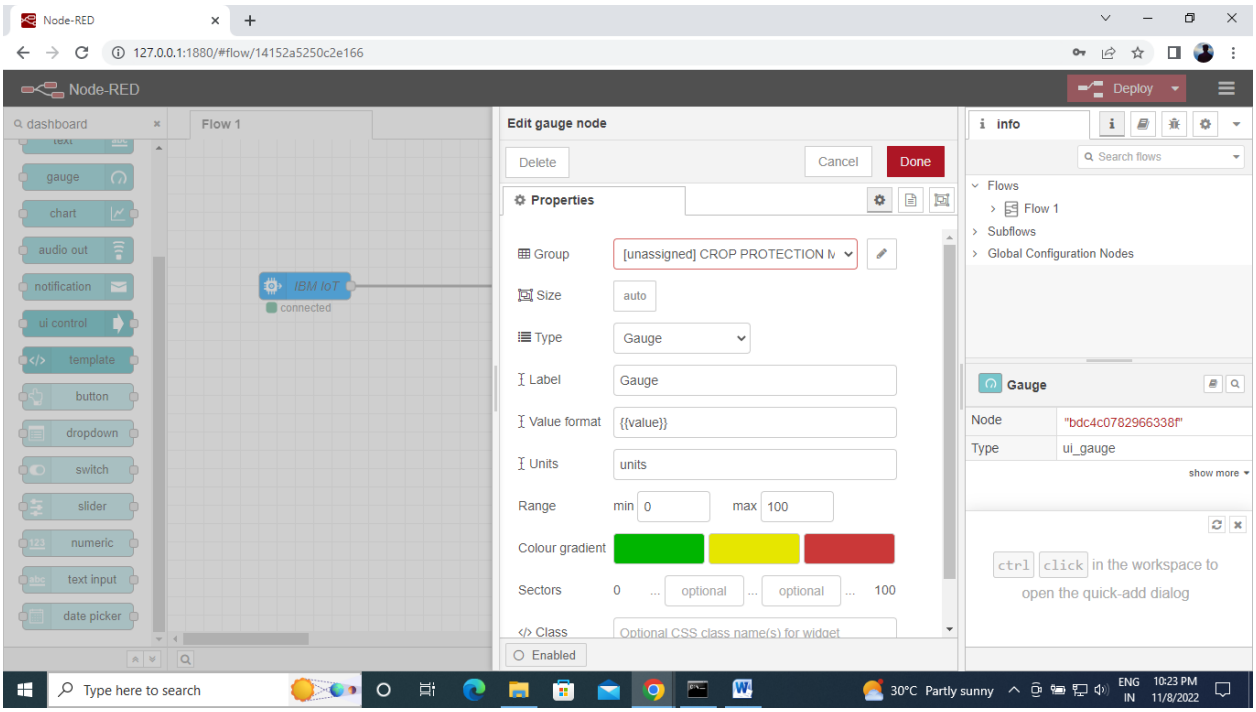
Step 2: Setup node.js and configure command prompt for error check open node-red fromthe generated link**.**

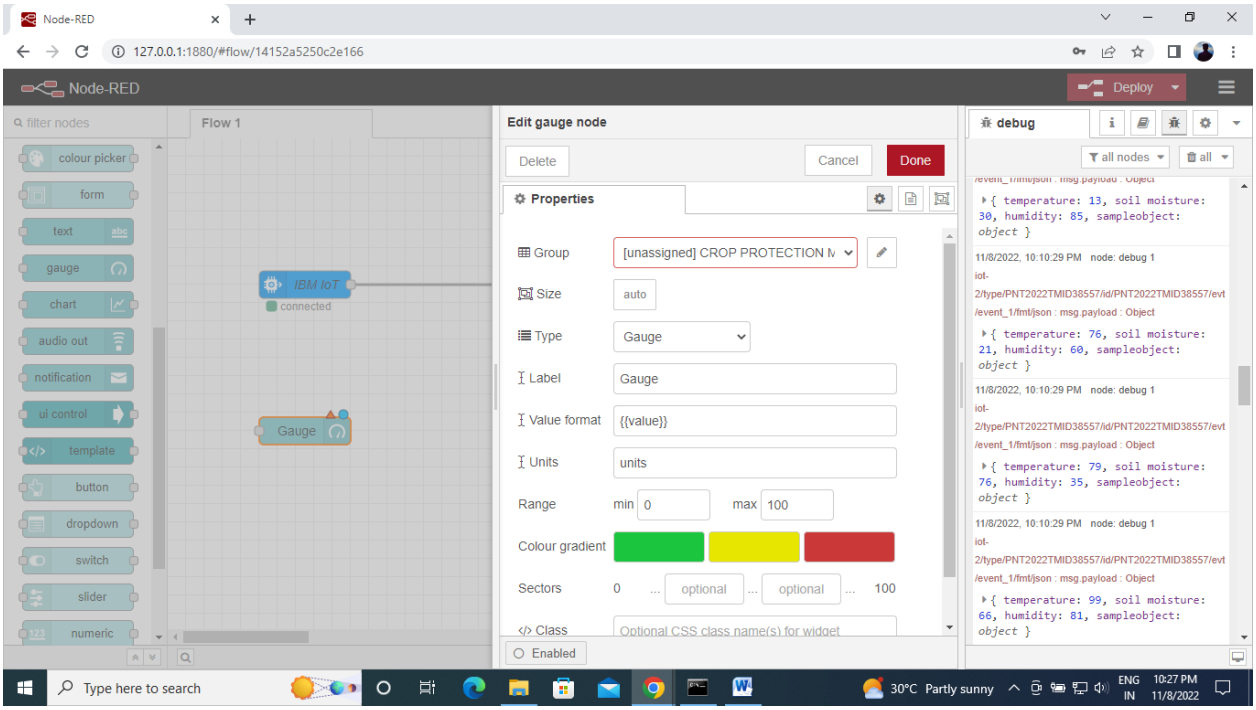


STEP3: Connect IBM IOT in and Debug 1 and Deploy.



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




Node-RED
127.0.0.1:1880/#flow/14152a5250c2e166
Node-RED
Deploy
filter nodes
Flow 1
colour picker
form
text
gauge
chart
audio out
notification
ui control
template
button
dropdown
switch
slider
numeric
IBM IoT
connected
Gauge
Edit gauge node
Delete
Cancel
Done
Properties
Group
[unassigned] CROP PROTECTION M
Size
auto
Type
Gauge
Label
Gauge
Value format
{{value}}
Units
units
Range
min 0
max 100
Colour gradient
Sectors
0 ... optional ... optional ... 100
Class
Optional CSS class name(s) for widget
Enabled
debug
all nodes
all
{ temperature: 13, soil moisture: 30, humidity: 85, sampleobject: object }
11/8/2022, 10:10:29 PM node: debug 1
iot-2/type/PNT2022TMID38557/id/PNT2022TMID38557/evt/event_1/fmt/json : msg.payload : Object
{ temperature: 76, soil moisture: 21, humidity: 60, sampleobject: object }
11/8/2022, 10:10:29 PM node: debug 1
iot-2/type/PNT2022TMID38557/id/PNT2022TMID38557/evt/event_1/fmt/json : msg.payload : Object
{ temperature: 79, soil moisture: 76, humidity: 35, sampleobject: object }
11/8/2022, 10:10:29 PM node: debug 1
iot-2/type/PNT2022TMID38557/id/PNT2022TMID38557/evt/event_1/fmt/json : msg.payload : Object
{ temperature: 99, soil moisture: 66, humidity: 81, sampleobject: object }
Type here to search
30°C Partly sunny
ENG IN
10:27 PM 11/8/2022