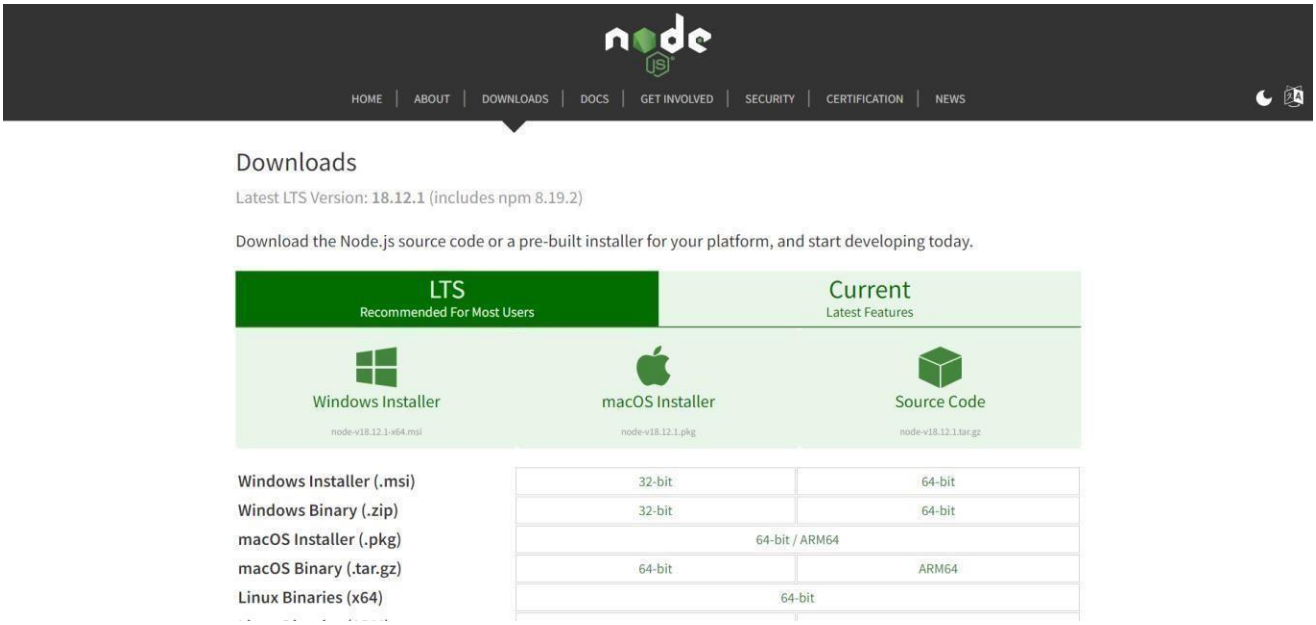
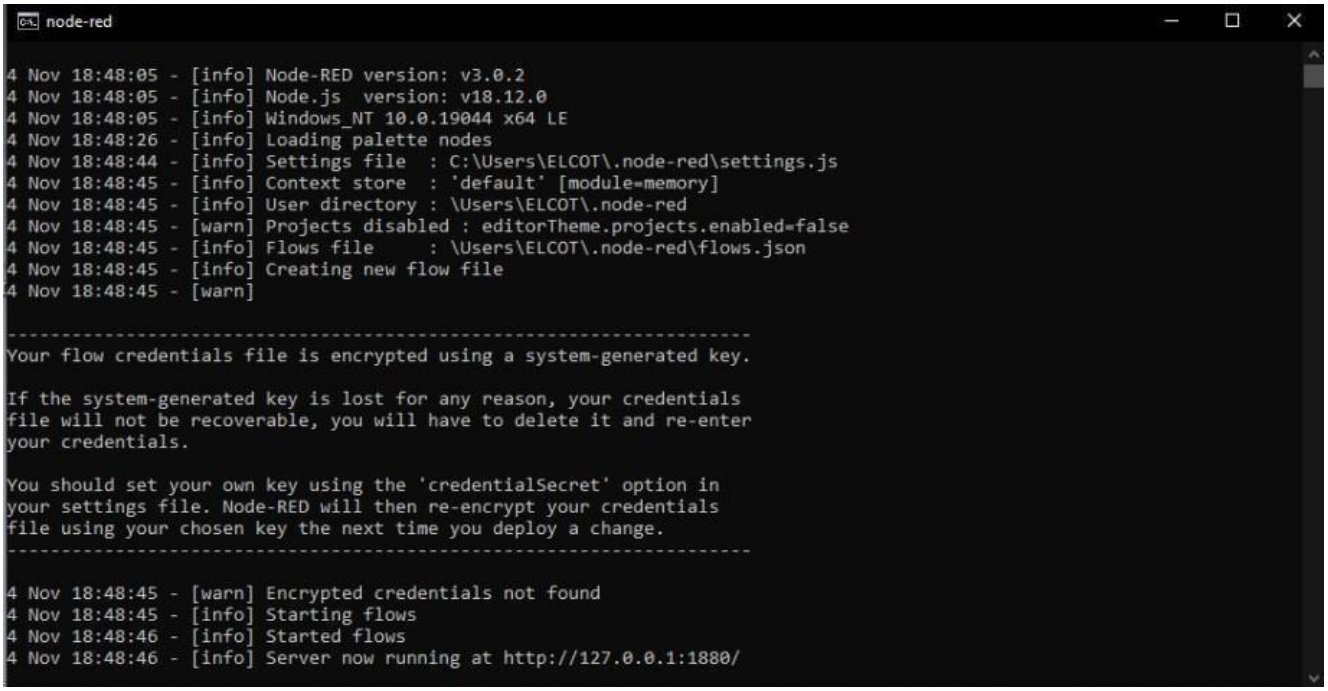
SPRINT-2

TEAM ID	PNT2022TMID51293
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

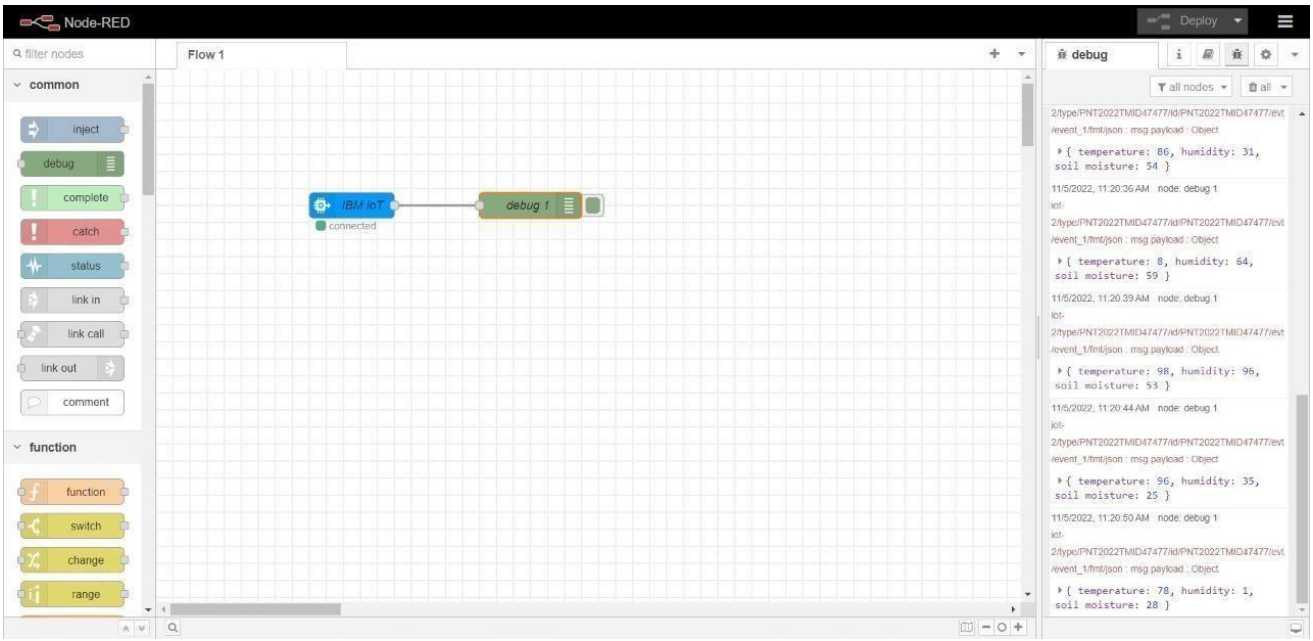
STEP1: Download and Install NODE JS.



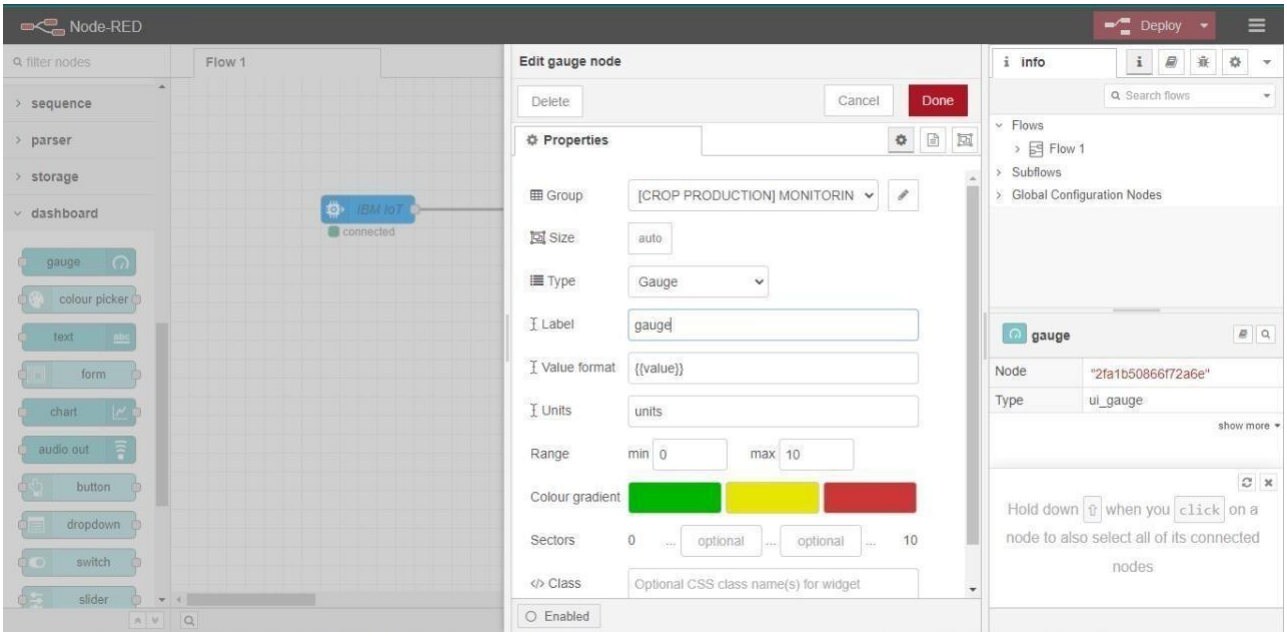
STEP2: Setup node.js and configure command prompt for error check.open node-red from the generated link.

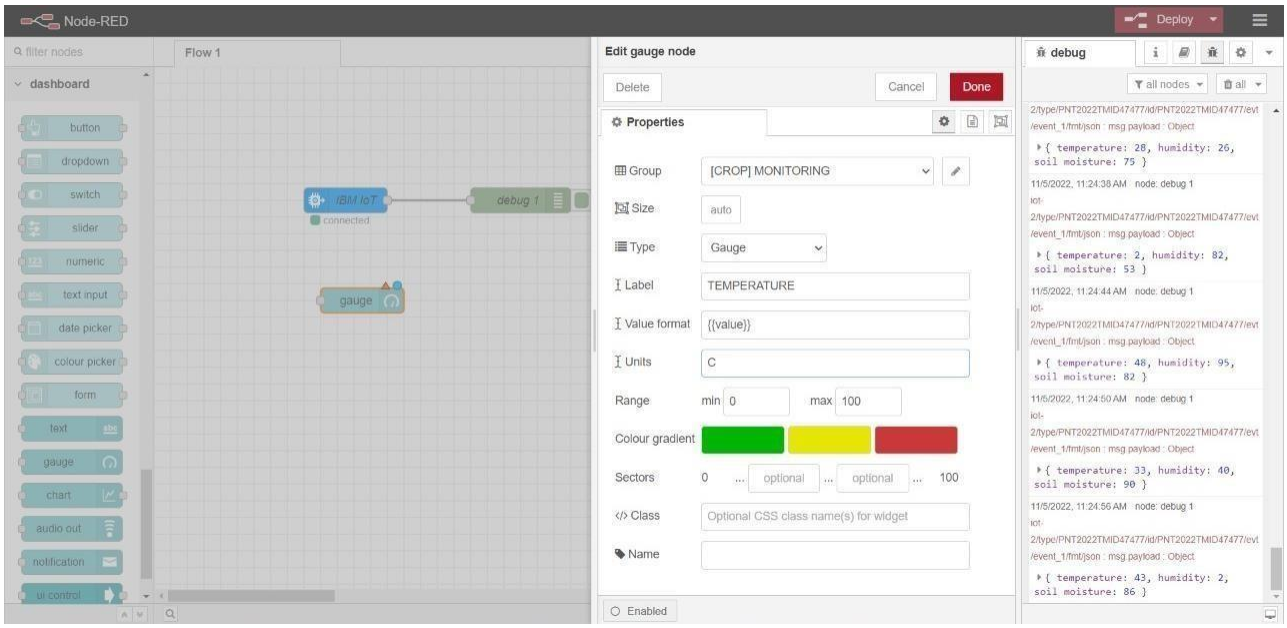


STEP3: Connect IBM IOT in and Debug 1 and Deploy.



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


Node-RED
Deploy
filter nodes
Flow 1
sequence
parser
storage
dashboard
gauge
colour picker
text
form
chart
audio out
button
dropdown
switch
slider
IBM IoT
connected
Edit gauge node
Delete
Cancel
Done
Properties
Group
[CROP PRODUCTION] MONITORIN
Size
auto
Type
Gauge
Label
gauge
Value format
{{value}}
Units
units
Range
min 0
max 10
Colour gradient
Sectors
0 ... optional ... optional ... 10
Class
Optional CSS class name(s) for widget
Enabled
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
gauge
Node
"2fa1b50866f72a6e"
Type
ui_gauge
show more
Hold down ⇧ when you click on a node to also select all of its connected nodes


Node-RED
Deploy
filter nodes
Flow 1
dashboard
button
dropdown
switch
slider
numeric
text input
date picker
colour picker
form
text
gauge
chart
audio out
notification
ui control
IBM IoT
connected
debug 1
gauge
Edit gauge node
Delete
Cancel
Done
Properties
Group
[CROP] MONITORING
Size
auto
Type
Gauge
Label
TEMPERATURE
Value format
{{value}}
Units
C
Range
min 0
max 100
Colour gradient
Sectors
0 ... optional ... optional ... 100
Class
Optional CSS class name(s) for widget
Name
Enabled
debug
all nodes
all
{ temperature: 28, humidity: 26, soil moisture: 75 }
{ temperature: 2, humidity: 82, soil moisture: 53 }
{ temperature: 48, humidity: 95, soil moisture: 82 }
{ temperature: 33, humidity: 40, soil moisture: 90 }
{ temperature: 43, humidity: 2, soil moisture: 86 }