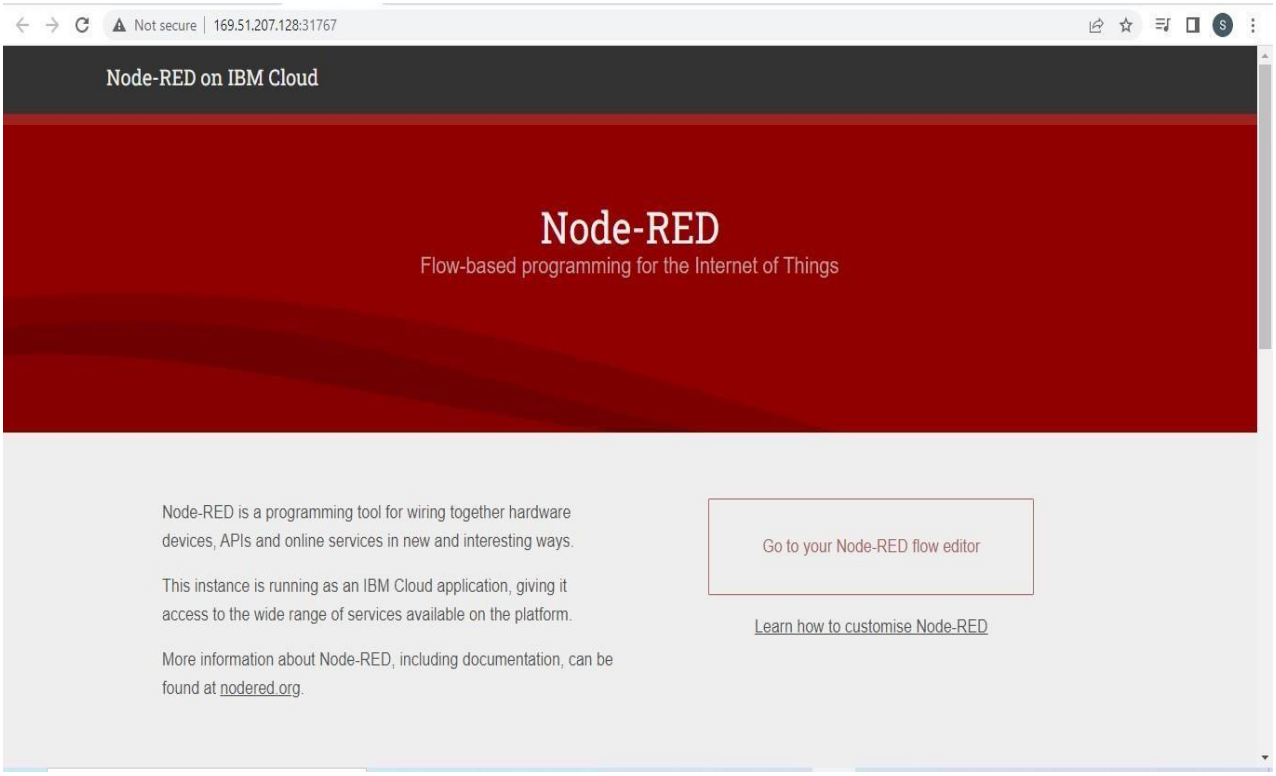
PROJECT DEVELOPMENT DELIVERY

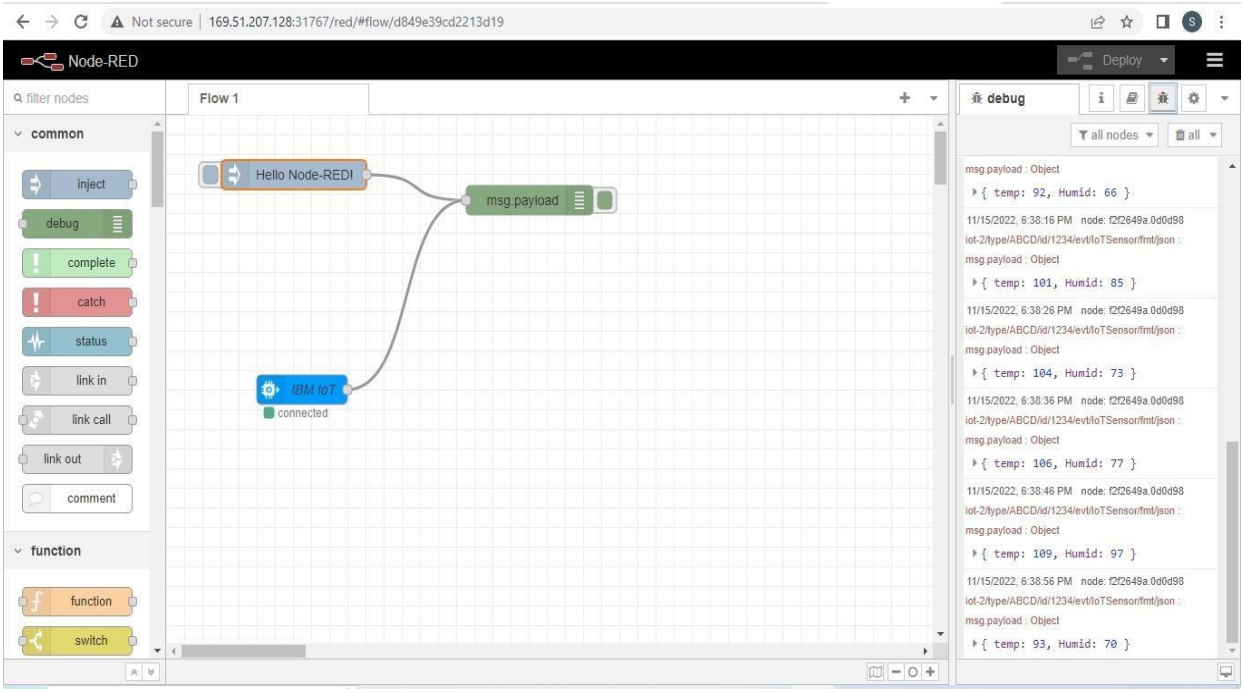
SPRINT-2

Date	02 NOVEMBER 2022
TEAMID	PNT2022TMID33093
ProjectName	IoT Based smart crop Protection system for Agriculture
Maximummark	20marks

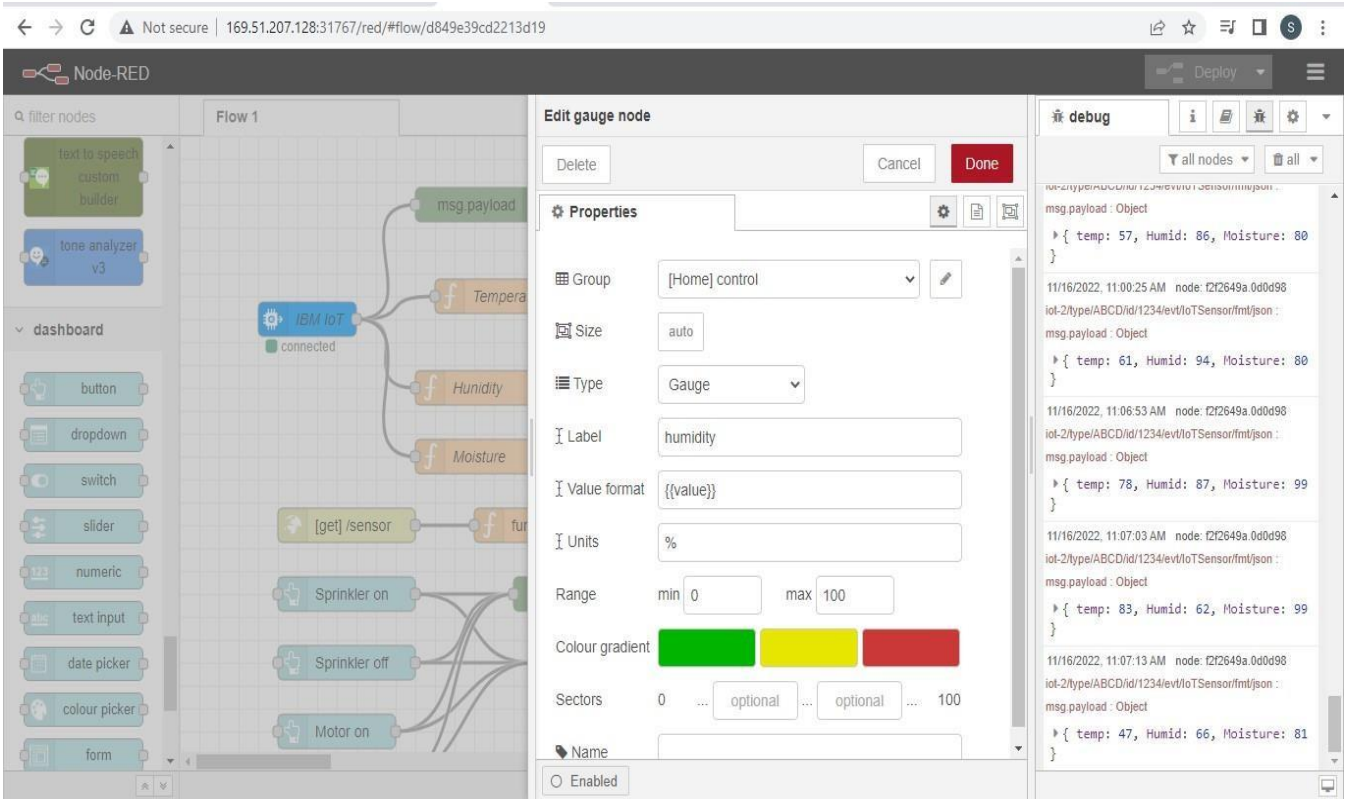
STEP1:Download and Install NODERED

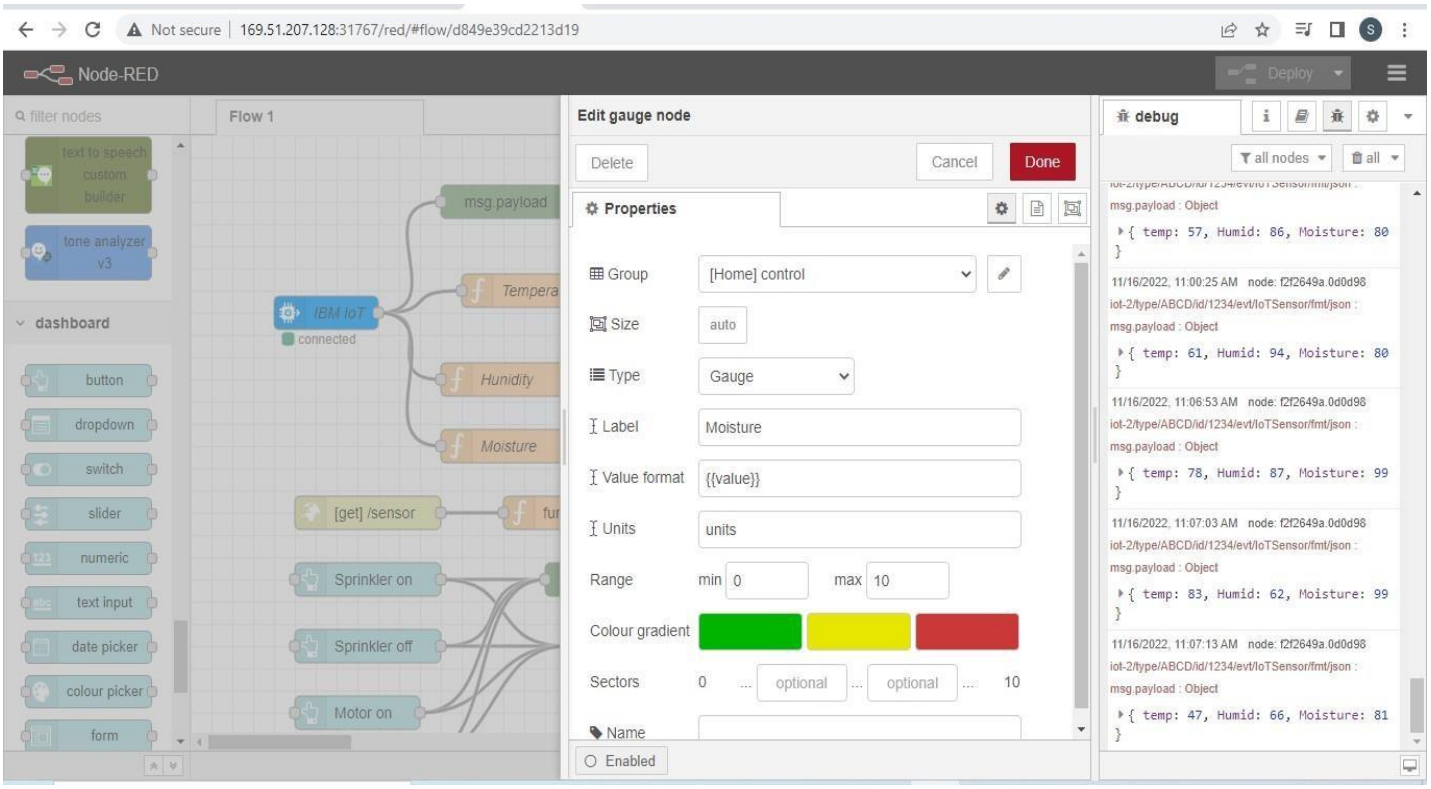


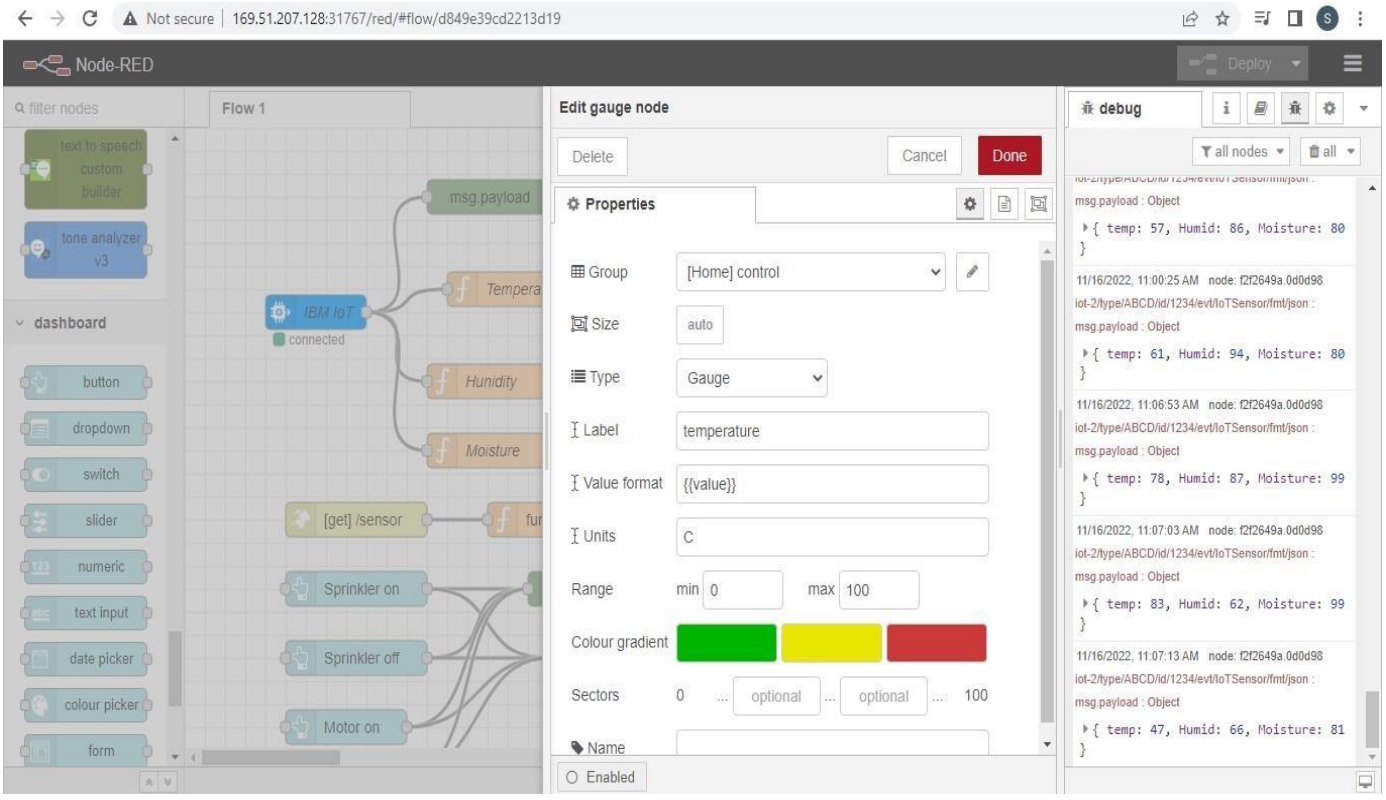
STEP2:Connect IBM IOT in and Debug1and Deploy.



STEP3: Edit gauge node (Here the gauge nodes are named as Temperature, Humidity and Soilmoisture).




Not secure | 169.51.207.128:31767/red/#flow/d849e39cd2213d19
Node-RED
Deploy
filter nodes
Flow 1
text to speech custom builder
tone analyzer v3
dashboard
button
dropdown
switch
slider
numeric
text input
date picker
colour picker
form
msg.payload
IBM IoT
connected
Tempera
Hunidity
Moisture
[get] /sensor
Sprinkler on
Sprinkler off
Motor on
Edit gauge node
Delete
Cancel
Done
Properties
Group
[Home] control
Size
auto
Type
Gauge
Label
Moisture
Value format
{{value}}
Units
units
Range
min 0
max 10
Colour gradient
Sectors
0
optional
optional
10
Name
Enabled
debug
all nodes
all
msg.payload : Object
{ temp: 57, Humid: 86, Moisture: 80 }
11/16/2022, 11:00:25 AM node: f2f2649a.0d0d98
iot-2/type/ABCD/id/1234/evt/IoTSensor/fmt/json : msg.payload : Object
{ temp: 61, Humid: 94, Moisture: 80 }
11/16/2022, 11:06:53 AM node: f2f2649a.0d0d98
iot-2/type/ABCD/id/1234/evt/IoTSensor/fmt/json : msg.payload : Object
{ temp: 78, Humid: 87, Moisture: 99 }
11/16/2022, 11:07:03 AM node: f2f2649a.0d0d98
iot-2/type/ABCD/id/1234/evt/IoTSensor/fmt/json : msg.payload : Object
{ temp: 83, Humid: 62, Moisture: 99 }
11/16/2022, 11:07:13 AM node: f2f2649a.0d0d98
iot-2/type/ABCD/id/1234/evt/IoTSensor/fmt/json : msg.payload : Object
{ temp: 47, Humid: 66, Moisture: 81 }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Sprinkler off
Motor on
Edit gauge node
Delete
Cancel
Done
Properties
Group
[Home] control
Size
auto
Type
Gauge
Label
temperature
Value format
{{value}}
Units
C
Range
min 0
max 100
Colour gradient
Sectors
0
optional
optional
100
Name
Enabled
debug
all nodes
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