# *IOT Based Smart Crop Protection System for Agriculture*

**Team ID - PNT2022TMID49683**

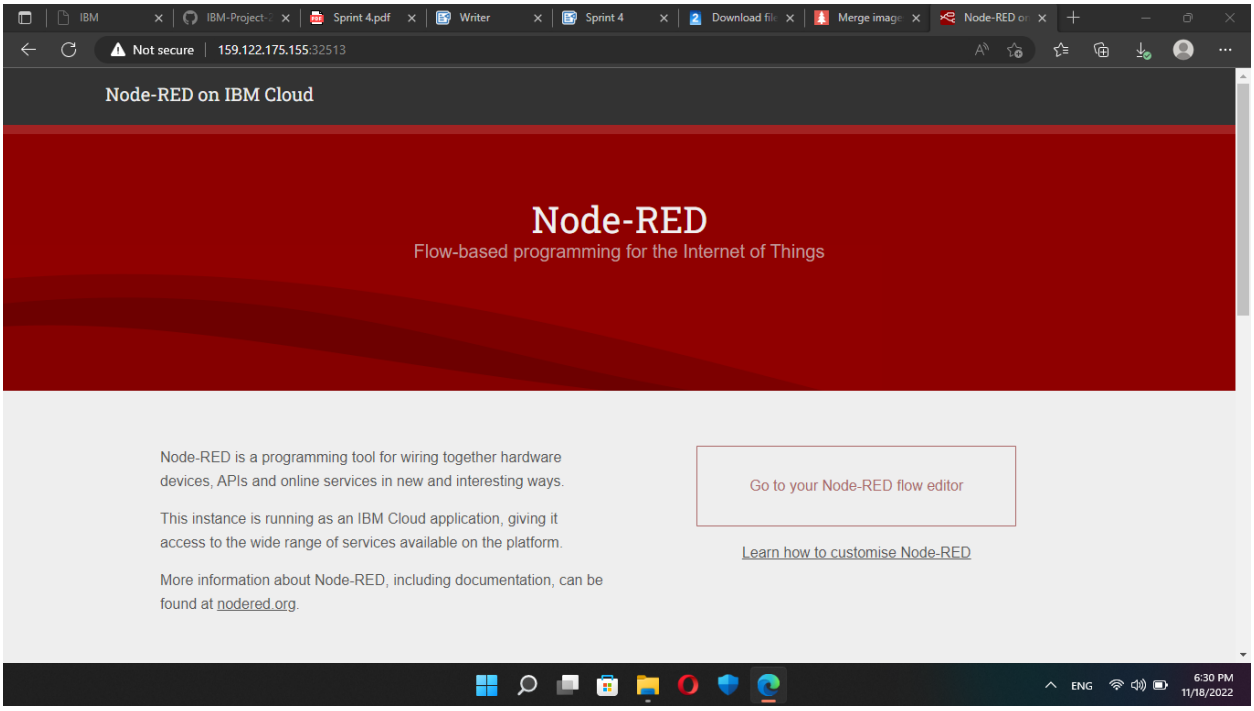
## SPRINT - 4

## WEB UI

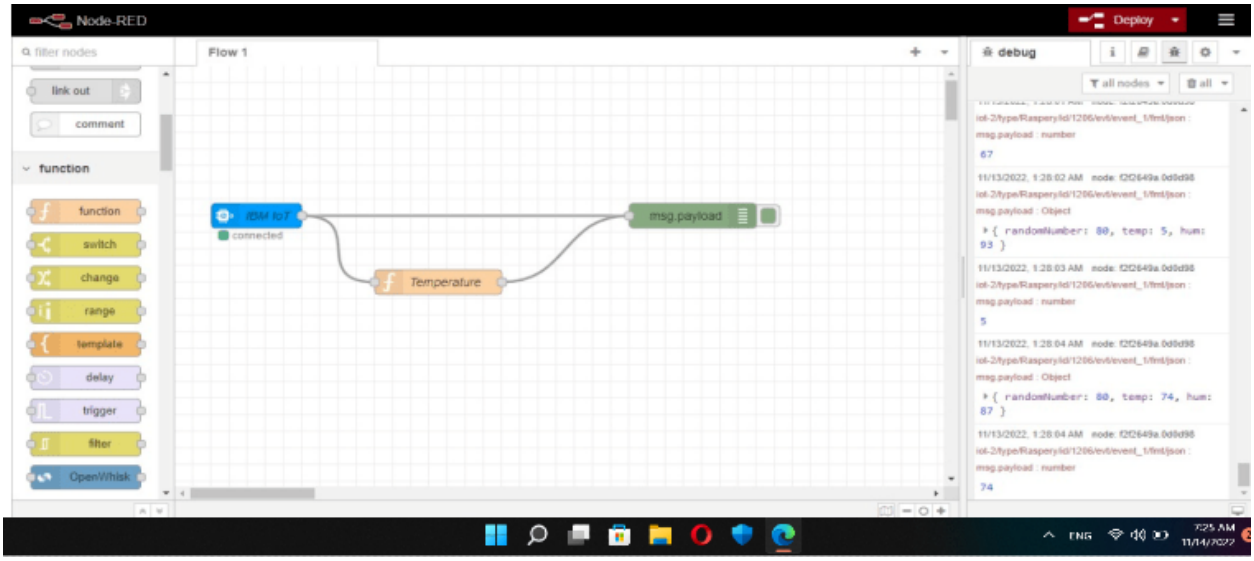
Using Web UI, the user can visually see the pictorial format of temperature, humidity and moisture level of the soil and User can control the motor & sprinkler via web UI.

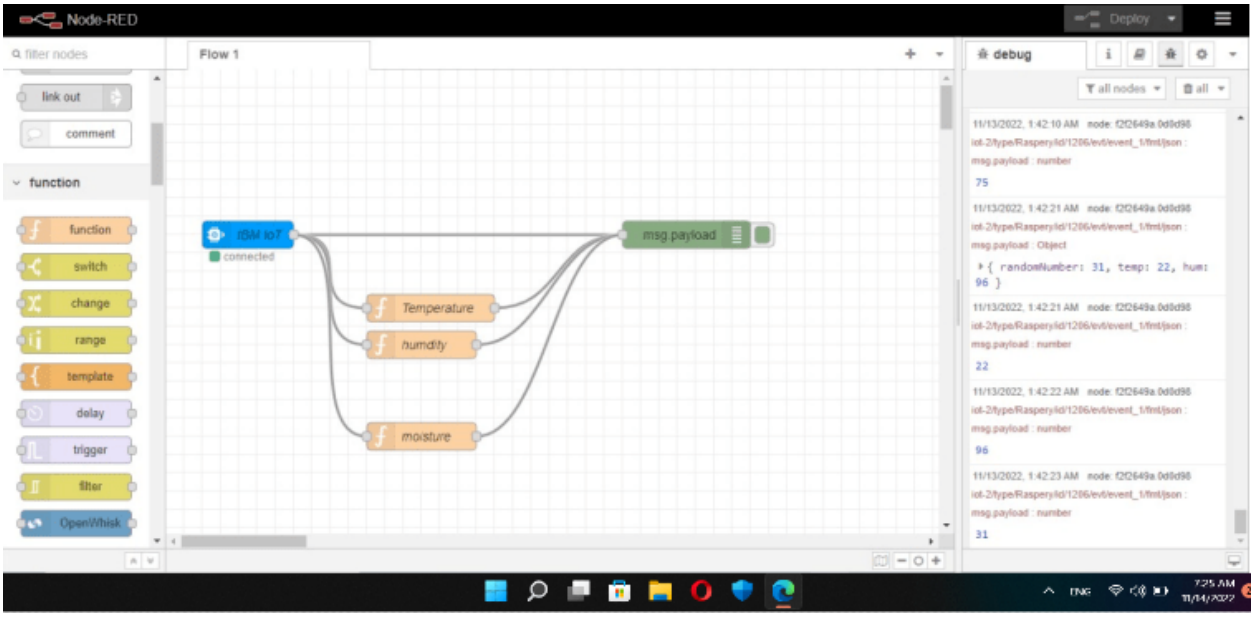
**Node-RED on IBM Cloud :**

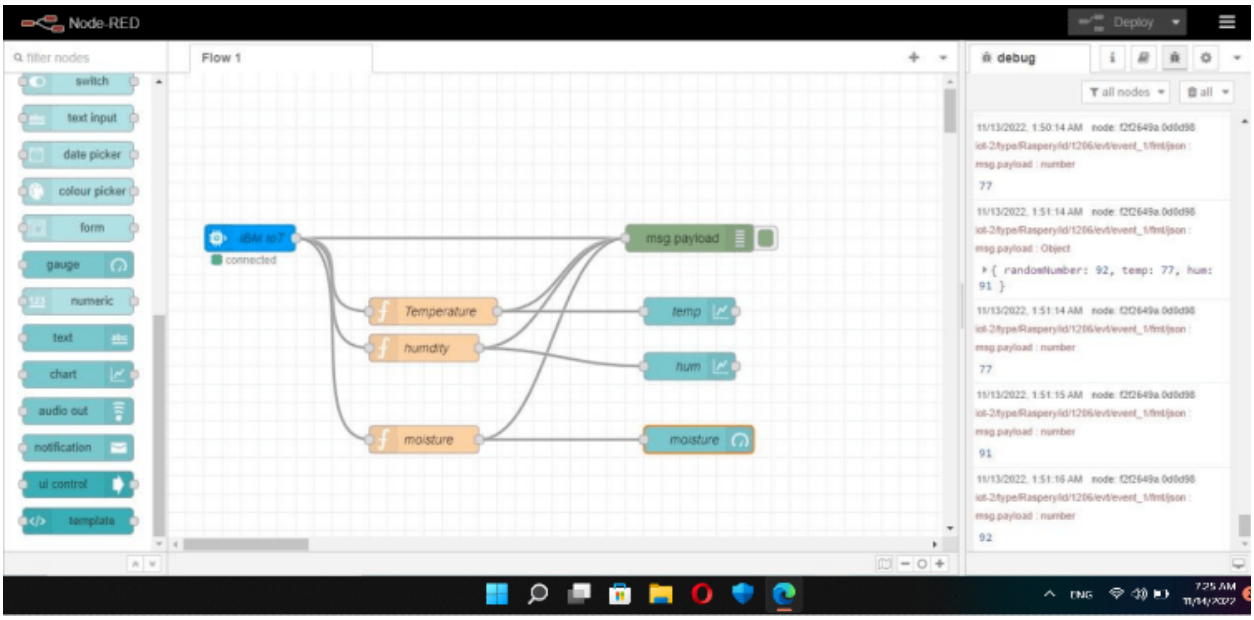
Started Srevice -

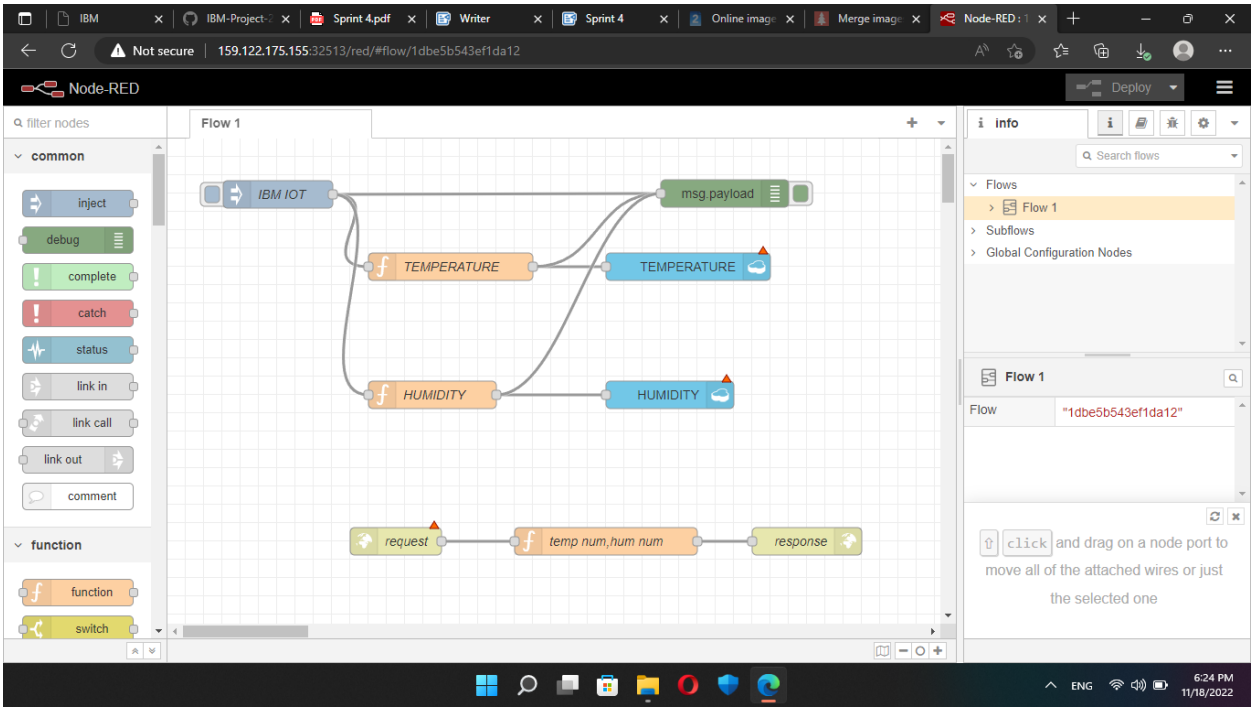


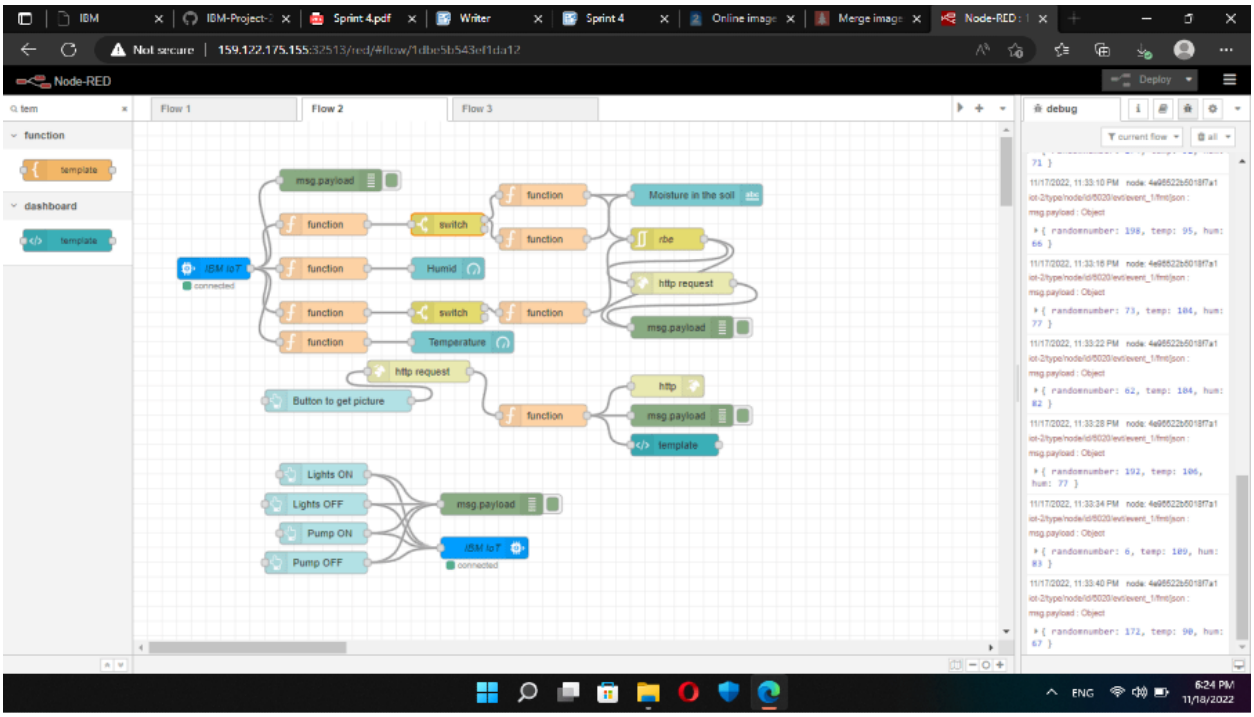
Step by step of node red flow -



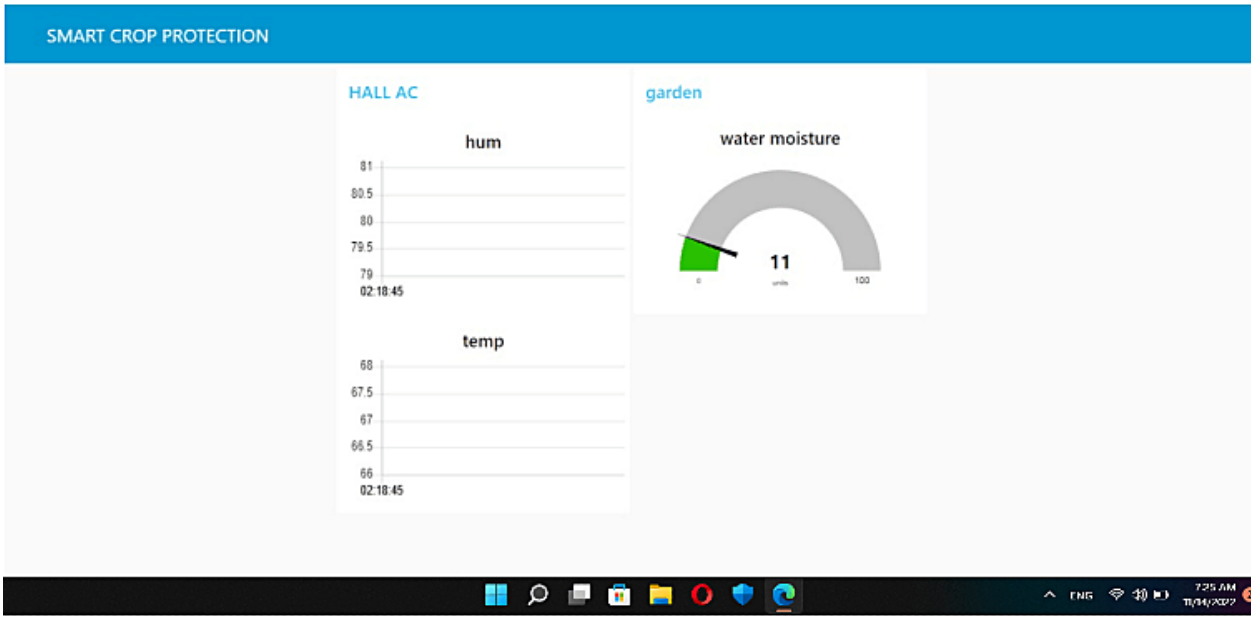




Node-RED
Deploy
Flow 1
debug
switch
text input
date picker
colour picker
form
gauge
numeric
text
chart
audio out
notification
ui control
template
IBM IoT
connected
msg.payload
Temperature
humdity
moisture
temp
hum
moisture


Not secure
159.122.175.155:32513/red/#flow/1dbe5b543ef1da12
Node-RED
Deploy
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
IBM IOT
msg.payload
TEMPERATURE
TEMPERATURE
HUMIDITY
HUMIDITY
request
temp num,hum num
response
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
Flow 1
Flow
"1dbe5b543ef1da12"
click and drag on a node port to move all of the attached wires or just the selected one

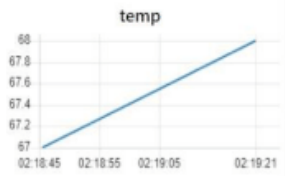



User can monitor through this pictorial format -

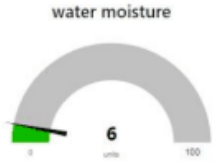


SMART CROP PROTECTION

HALL AC

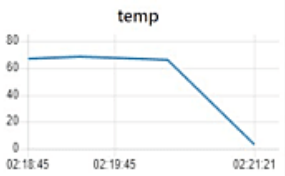


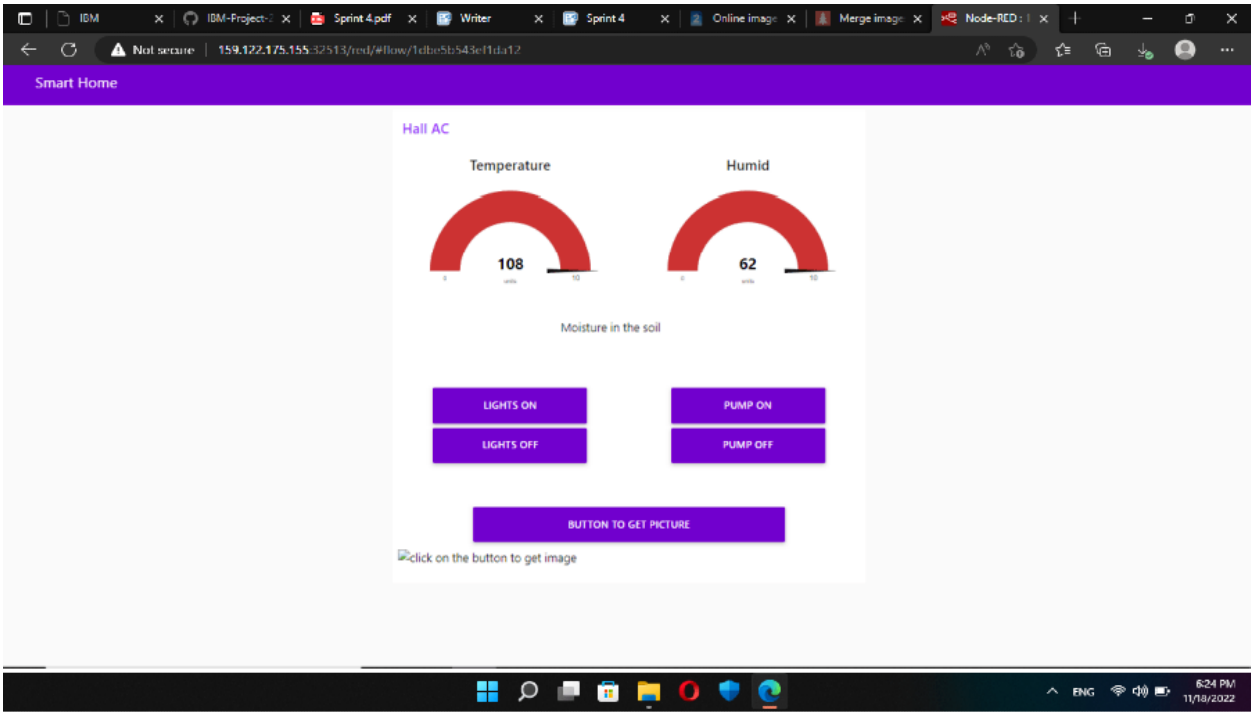

garden



SMART CROP PROTECTION

HALL AC




garden

User can monitor and control the motor & sprinkler through the web ui -