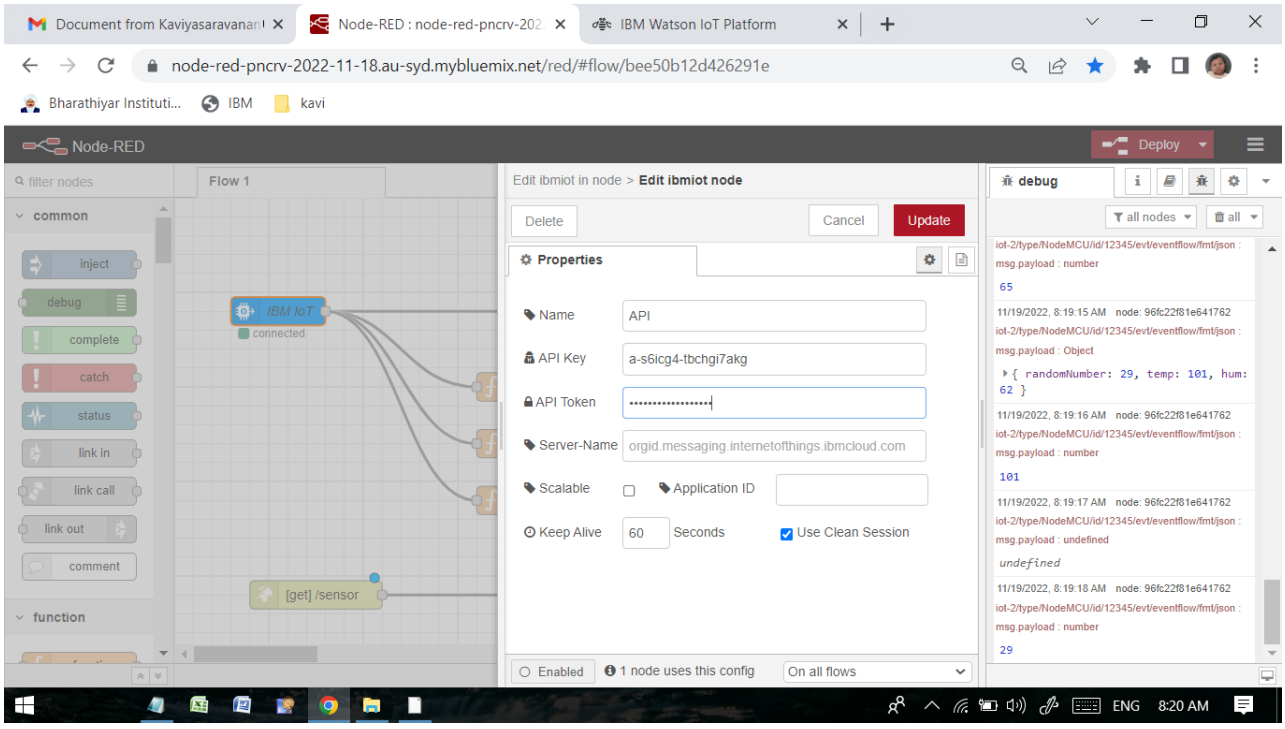
Sprint Delivery–3

TeamID	PNT2022TMID41344
ProjectName	Smart Farmer-IOT Enabled Smart Farming Application

Configuration of Node-Red to send command to IBM cloud



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Here we add two buttons in UI

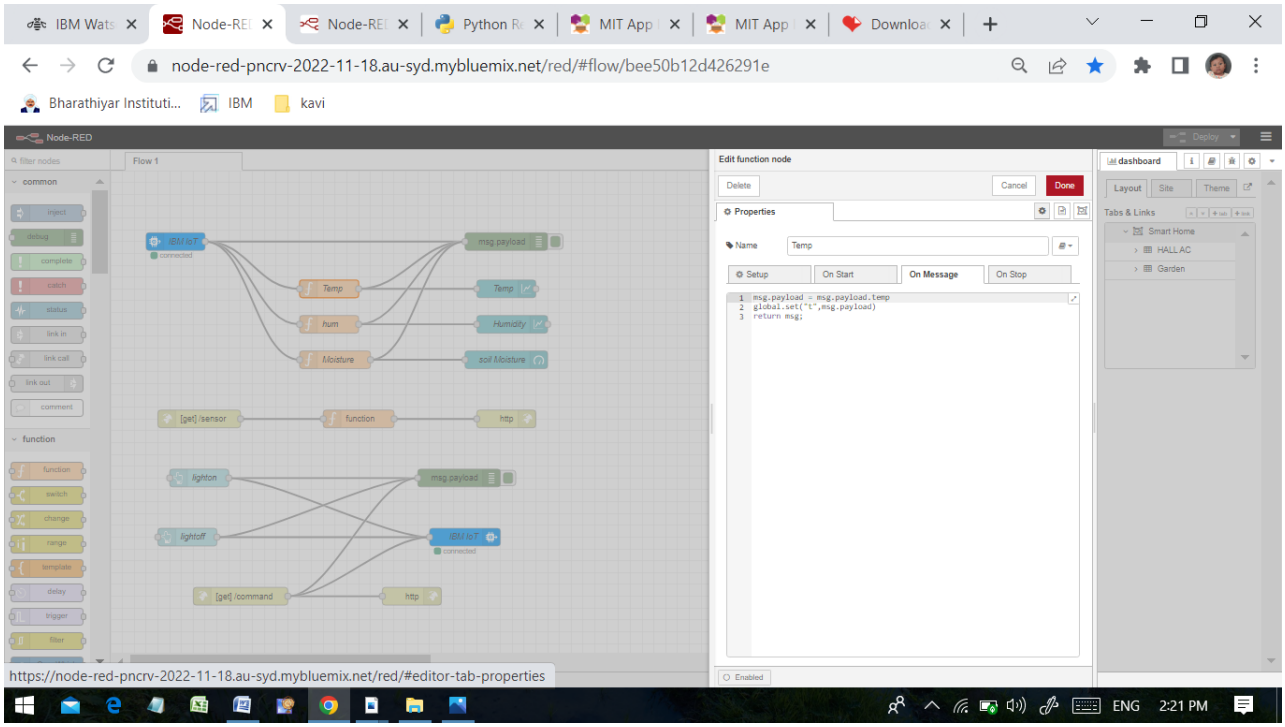
1) for light on

2)for light off

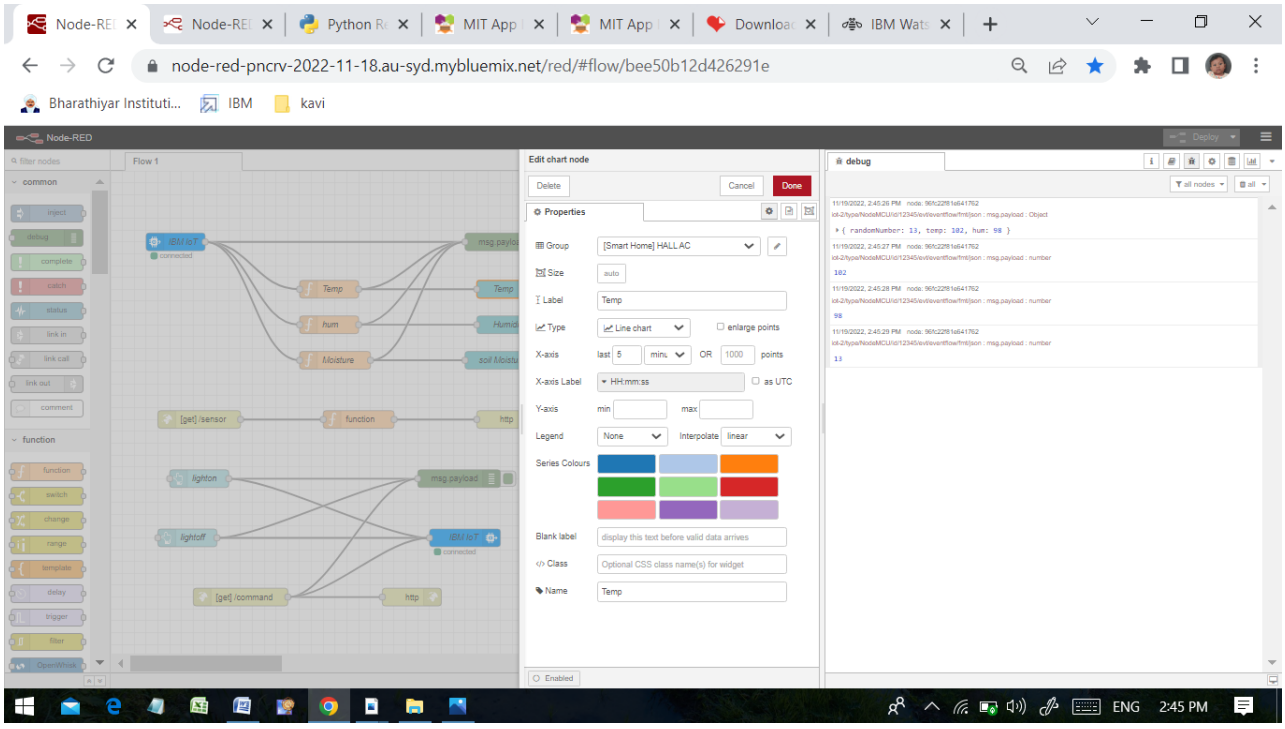
We used a function node to analysis the data recevied andassign command to each number

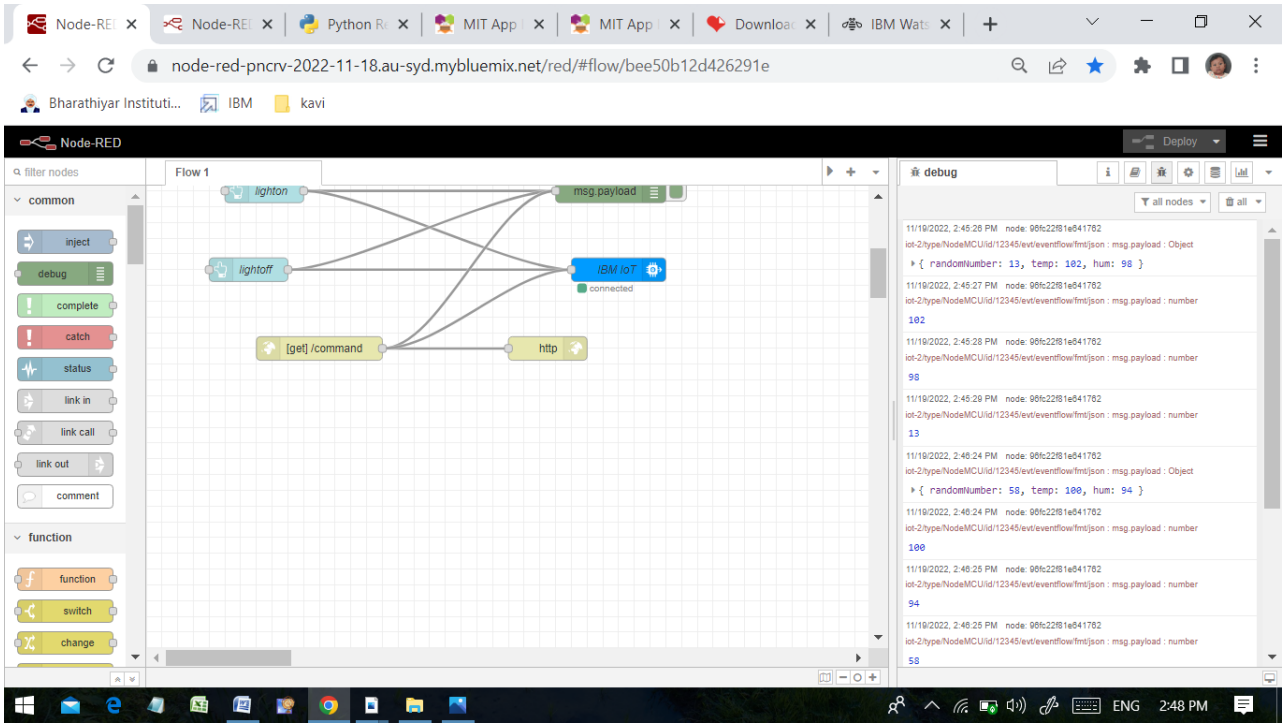
Java scrip code for the analyses is:

```
if(msg.payload==1) msg.payload={"command":"ON"};
elseif(msg.payload==0)
msg.payload={"command":"OFF"};
```

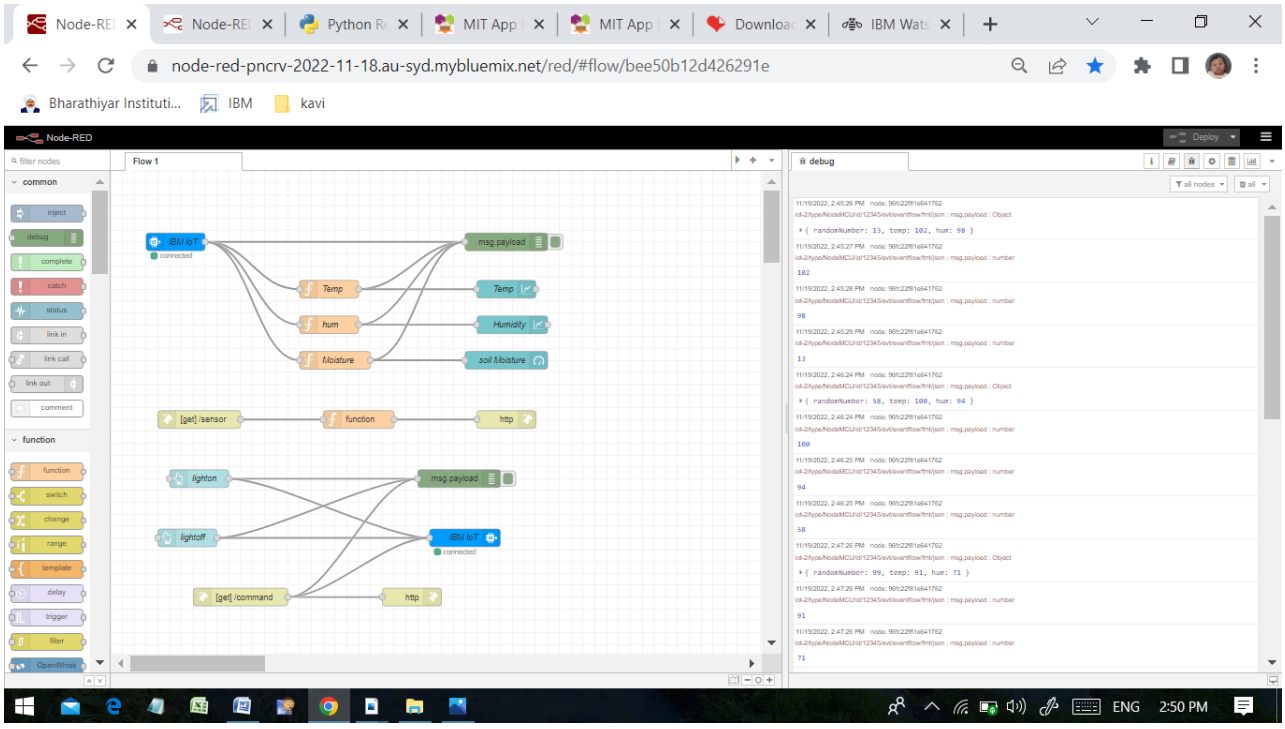


1

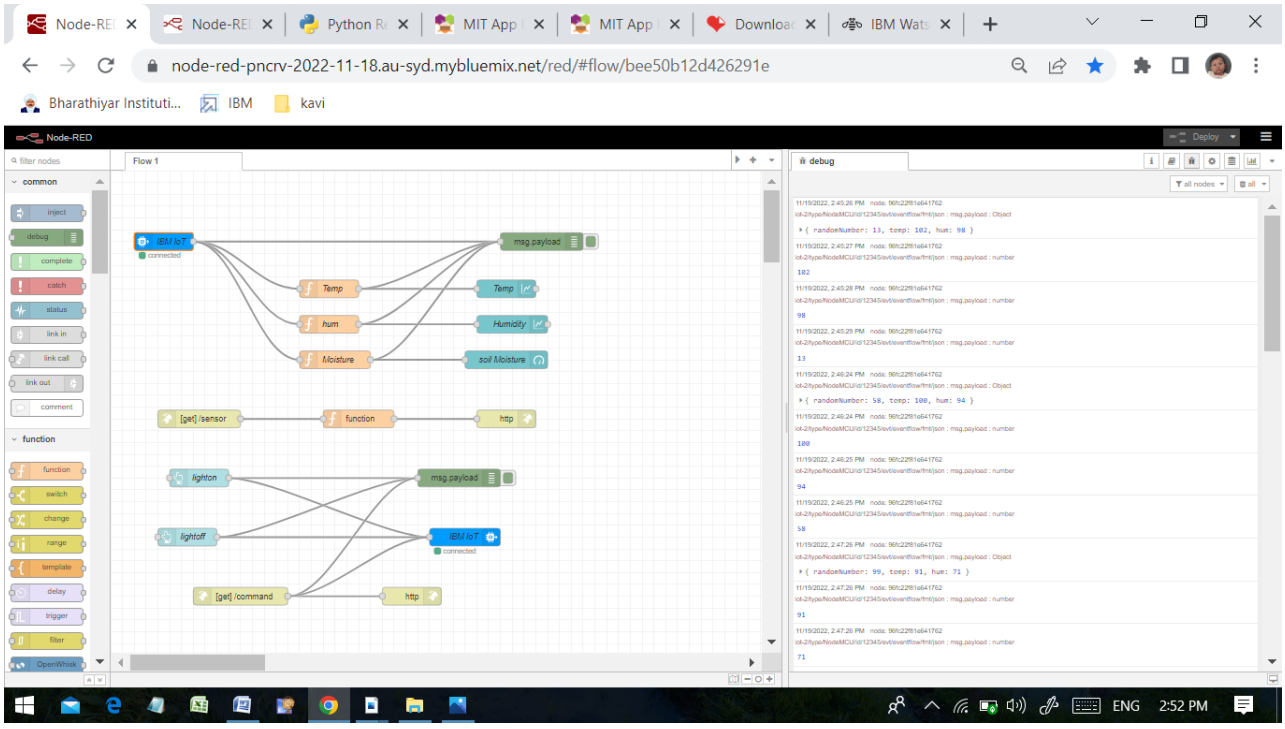

node-red-pncrv-2022-11-18.au-syd.mybluemix.net/red/#flow/bee50b12d426291e
Node-RED
Flow 1
Edit chart node
Delete
Cancel
Done
Properties
debug
ENG
2:45 PM


node-red-pncrv-2022-11-18.au-syd.mybluemix.net/red/#flow/bee50b12d426291e
Node-RED
Deploy
Flow 1
debug
lighton
lightoff
msg.payload
IBM IoT
connected
[get] /command
http
ENG
2:48 PM

1

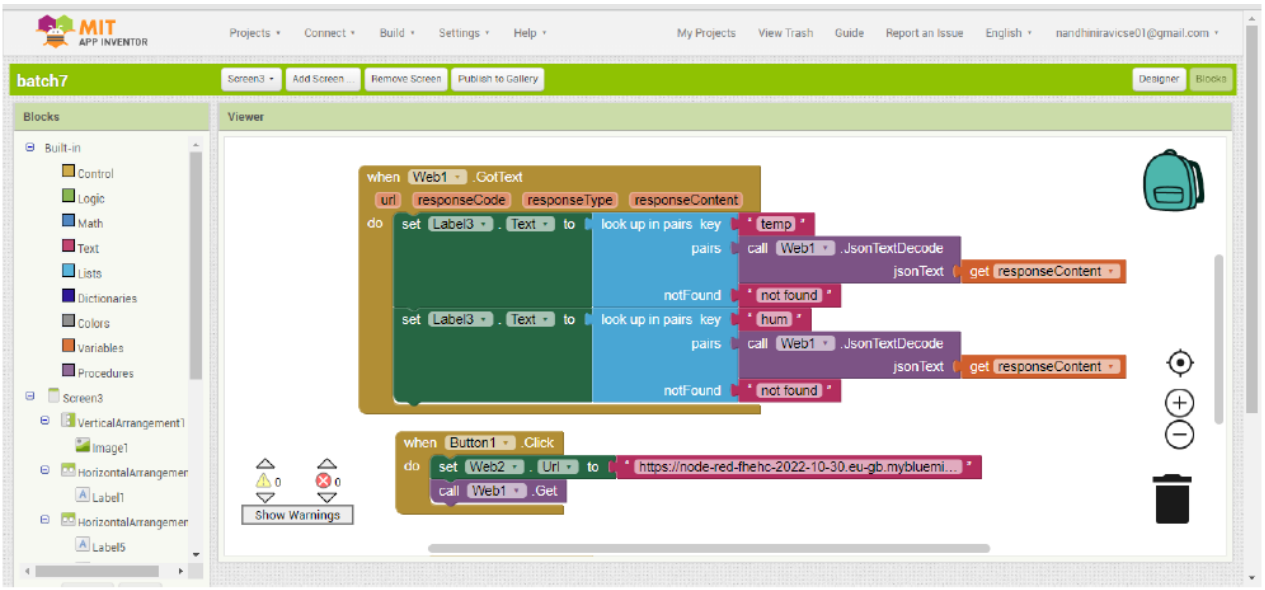


COMPLETE FLOW DIAGRAM:



1

BLOCK DIAGRAM



SCREEN 1

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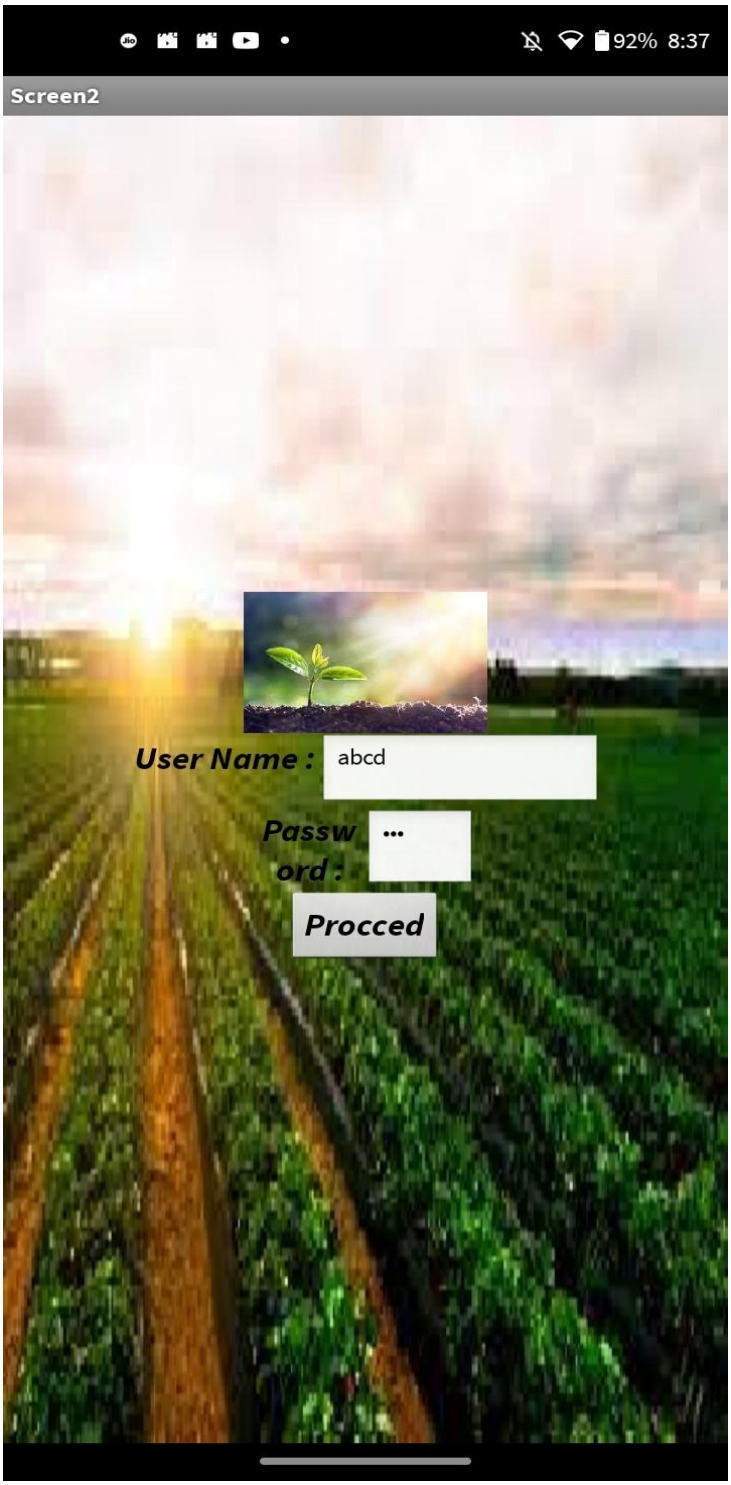
SCREEN 2



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SCREEN 3


92% 8:37
Screen3
HALL AC
HUMIDITY : 90
TEMP : 86
Switch Board
Light on
Light of

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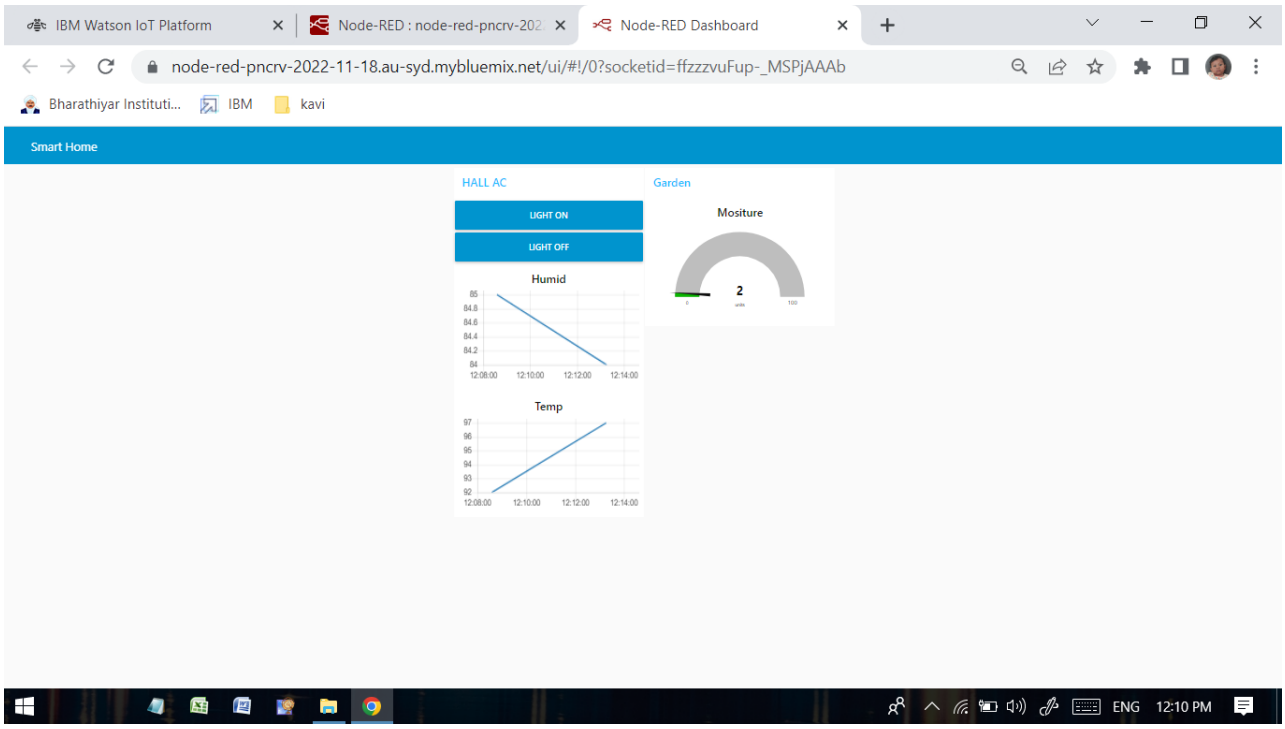
OUTPUT


IBM Watson IoT Platform
Node-RED : node-red-pncrv-202
Node-RED Dashboard
node-red-pncrv-2022-11-18.au-syd.mybluemix.net/ui/#!/0?socketid=ffzzzvuFup-_MSPjAAAb
Bharathiyar Instituti...
IBM
kavi
Smart Home
HALL AC
LIGHT ON
LIGHT OFF
Humid
Temp
Garden
Mositure
2
ENG
12:10 PM