VEL TECH MULTI TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE

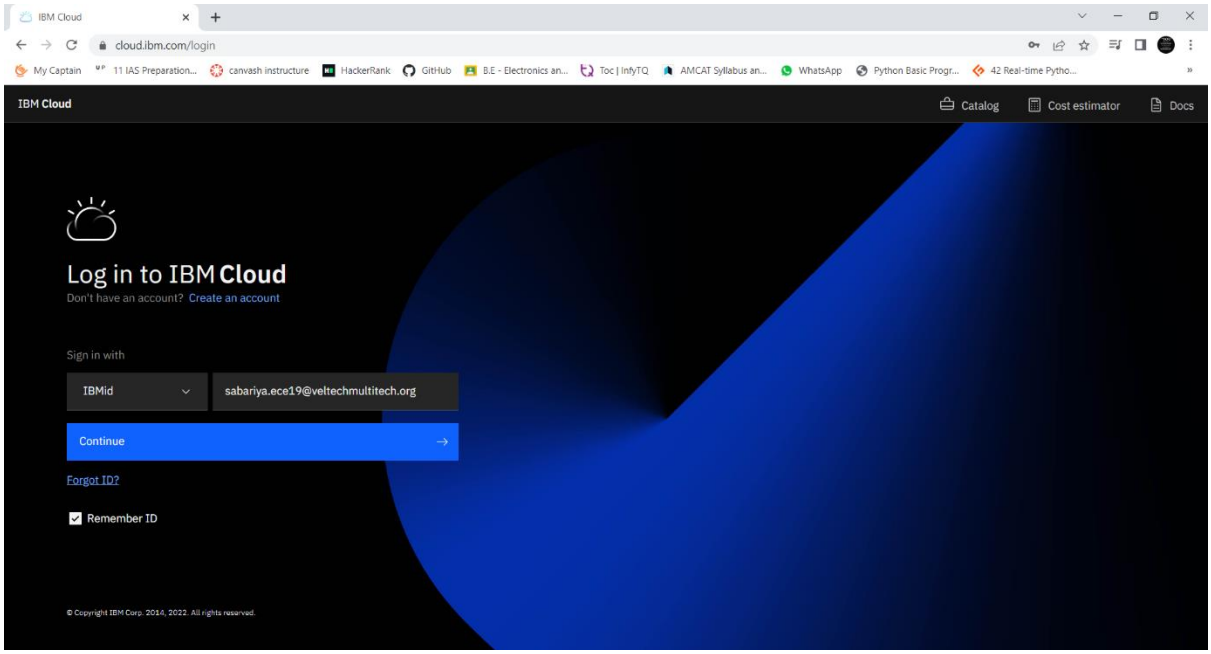
Department of Electronics and Communication Engineering

Smart Farmer-IOT Enabled Smart Farming

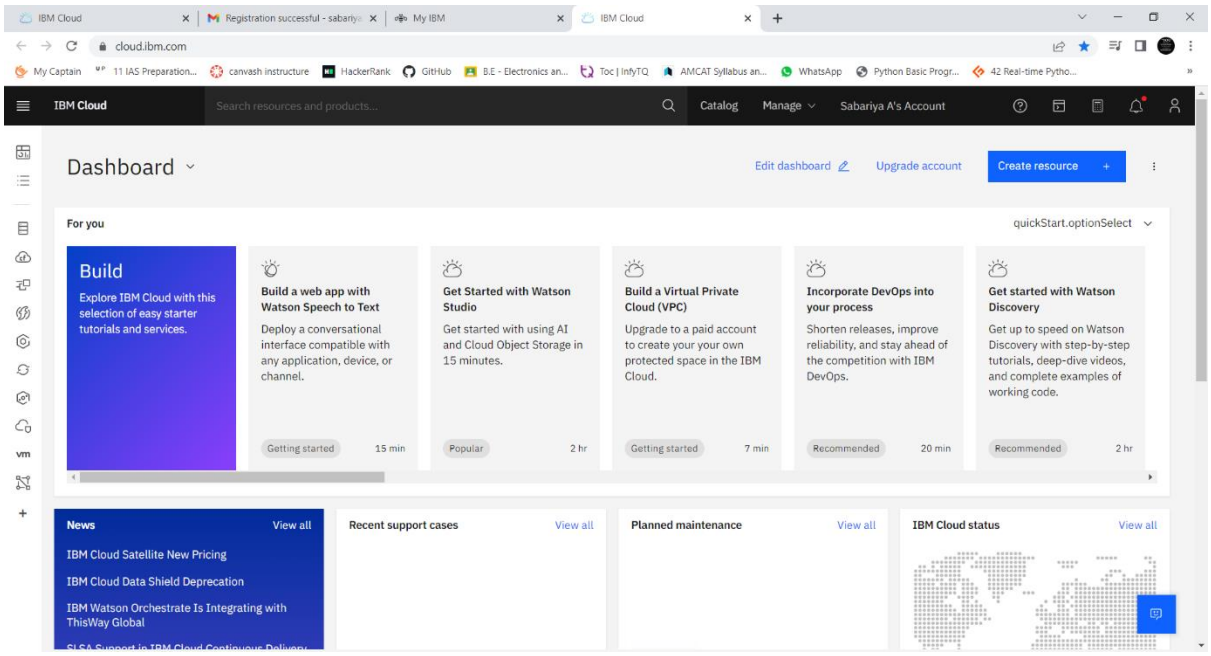
TEAM ID	PNT2022TMID22476
LEADER NAME	SABARIYA A
TEAM MEMBER NAME	GAYATHRI M S PRIYADHARSHINI A PONSHEEBA M
MENTOR NAME	KALPANA

CREATING NODE RED SERVICE :

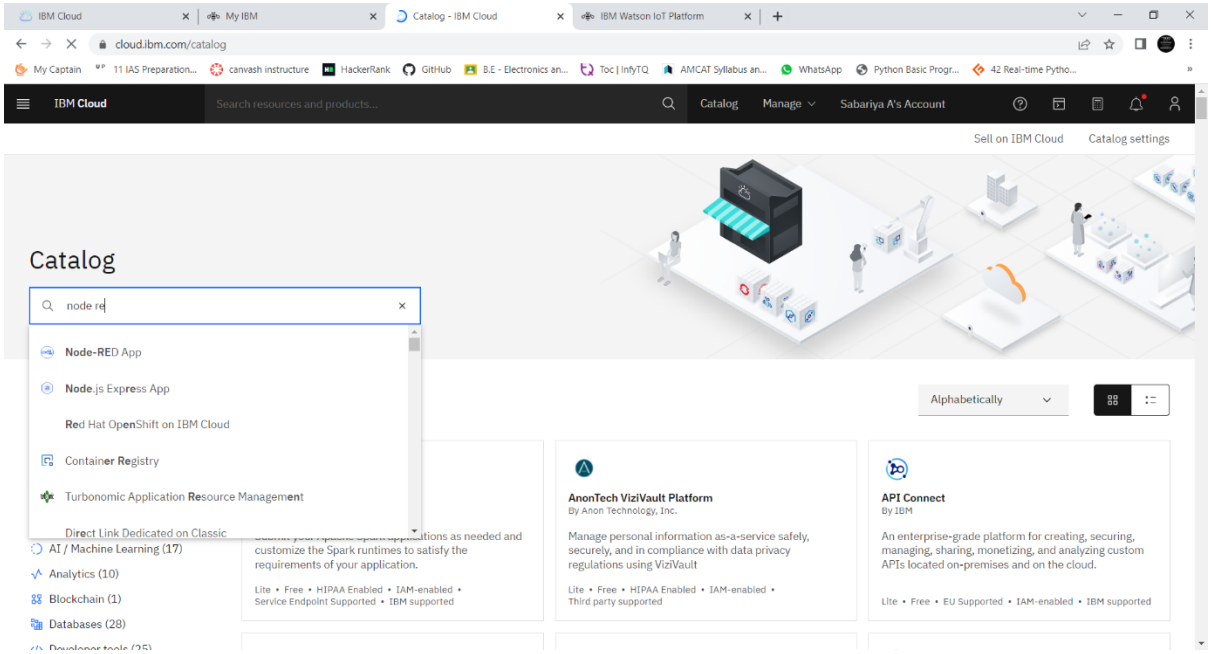
Login into the ibm cloud account:



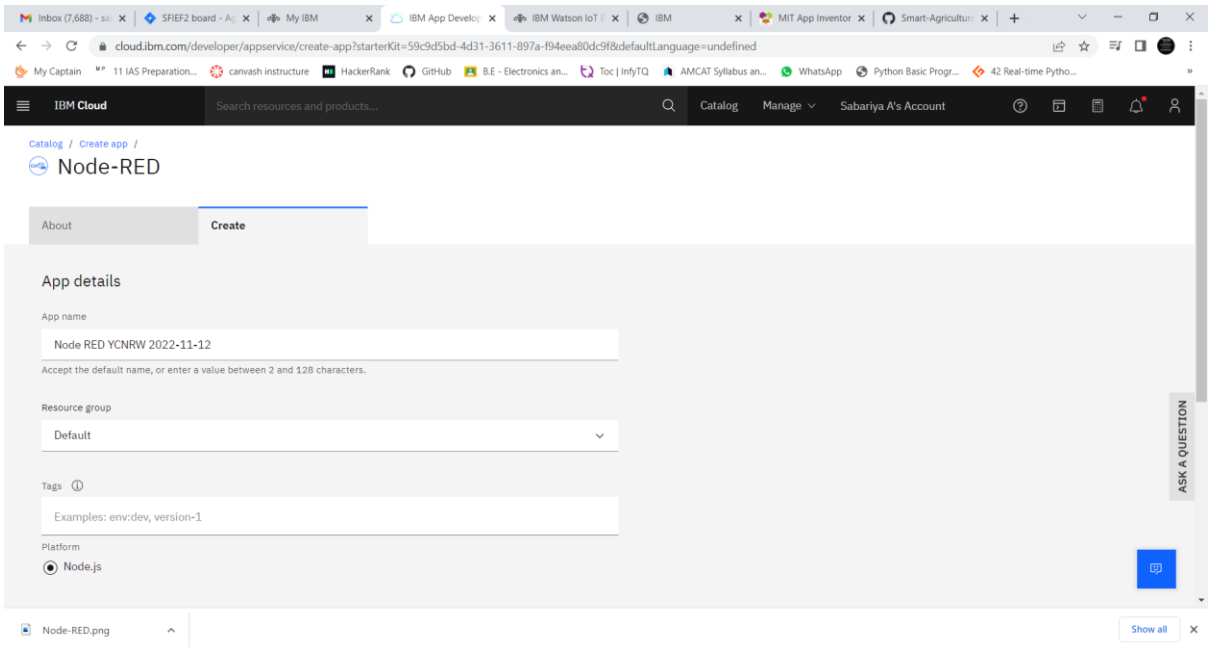
Dashboard of IBM Cloud will get opened :=

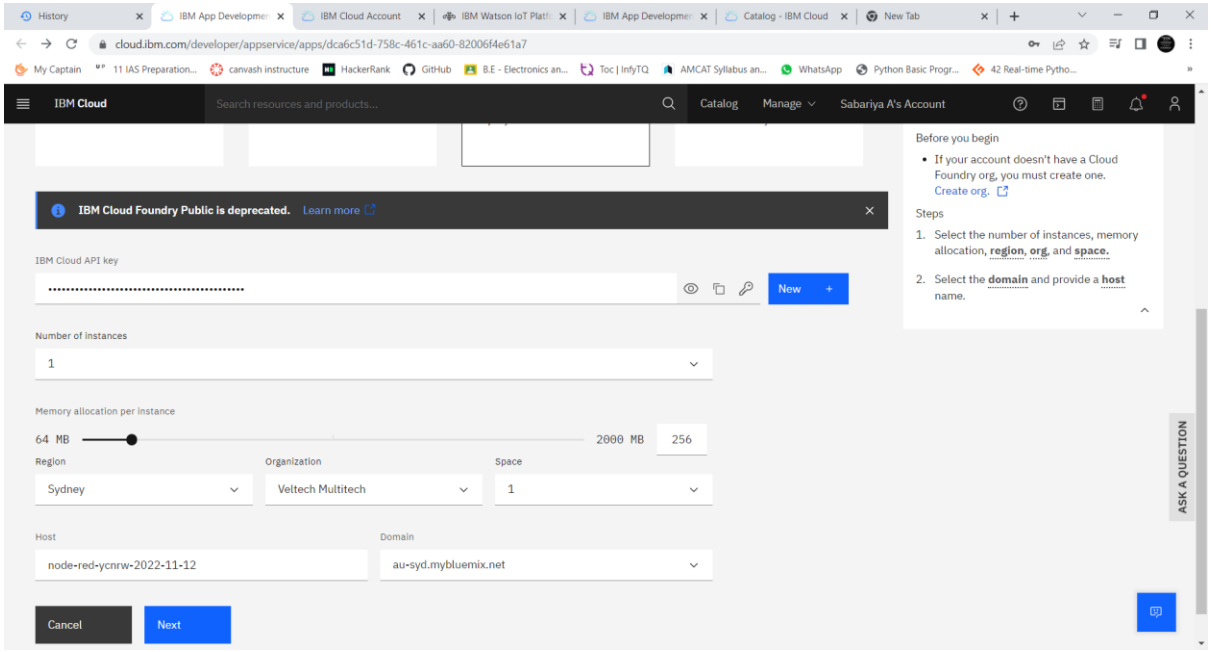


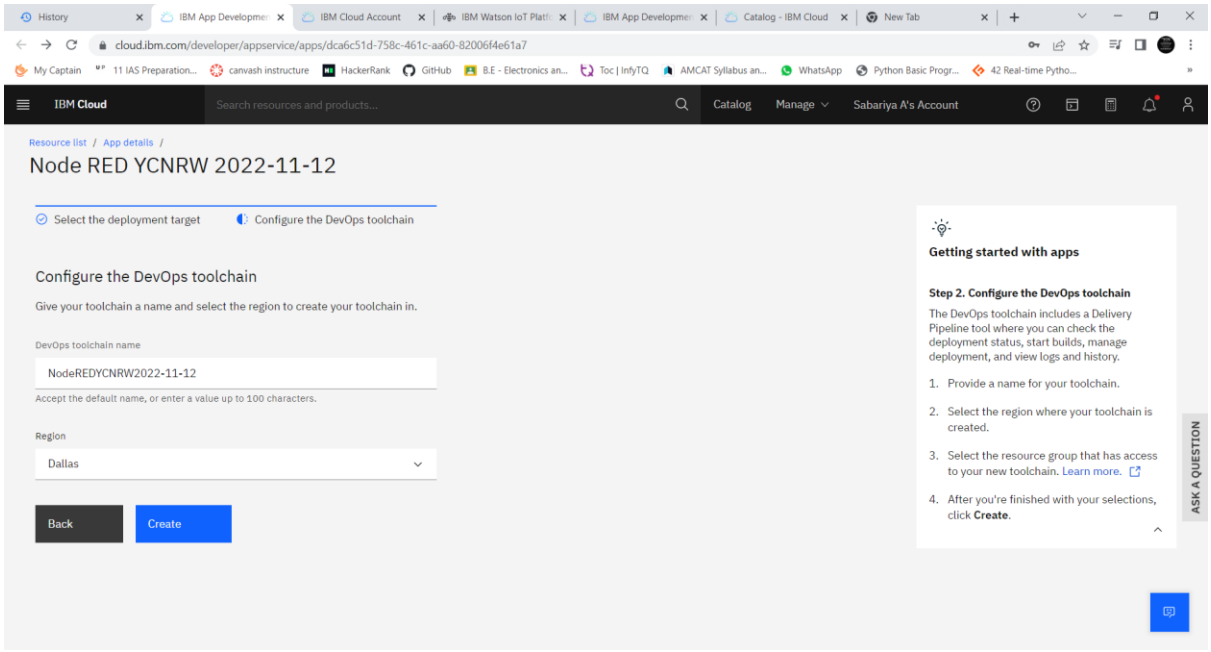
Go to catalog and search for Node red app;



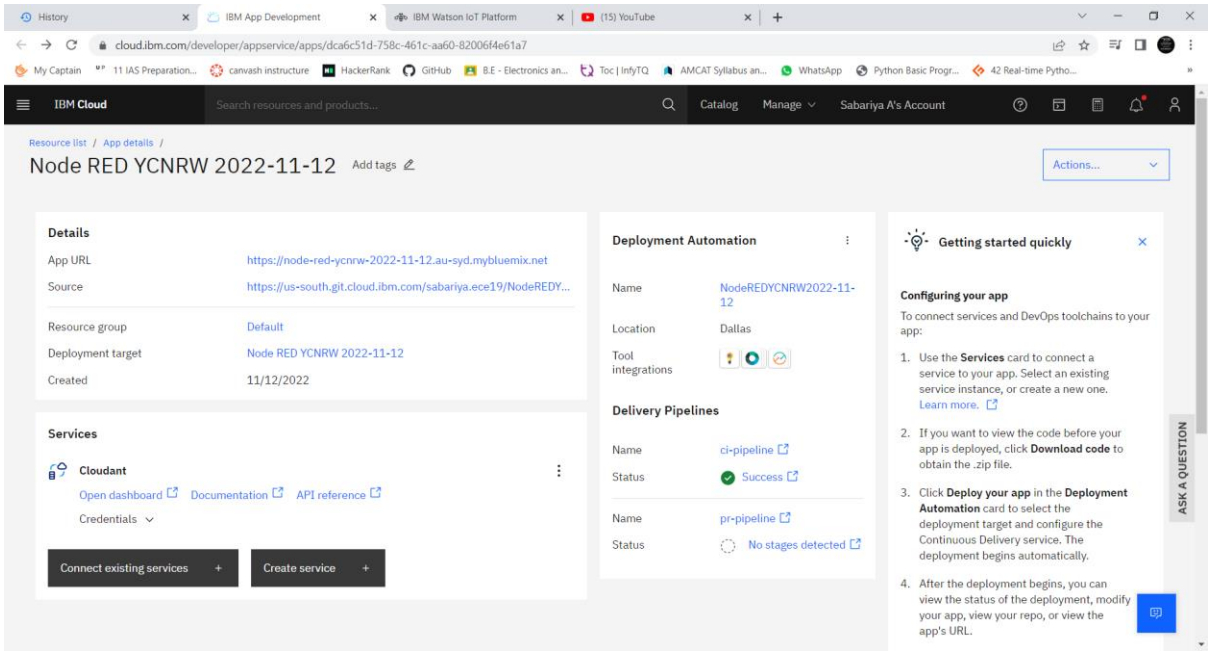
This page will be open then create a new one :

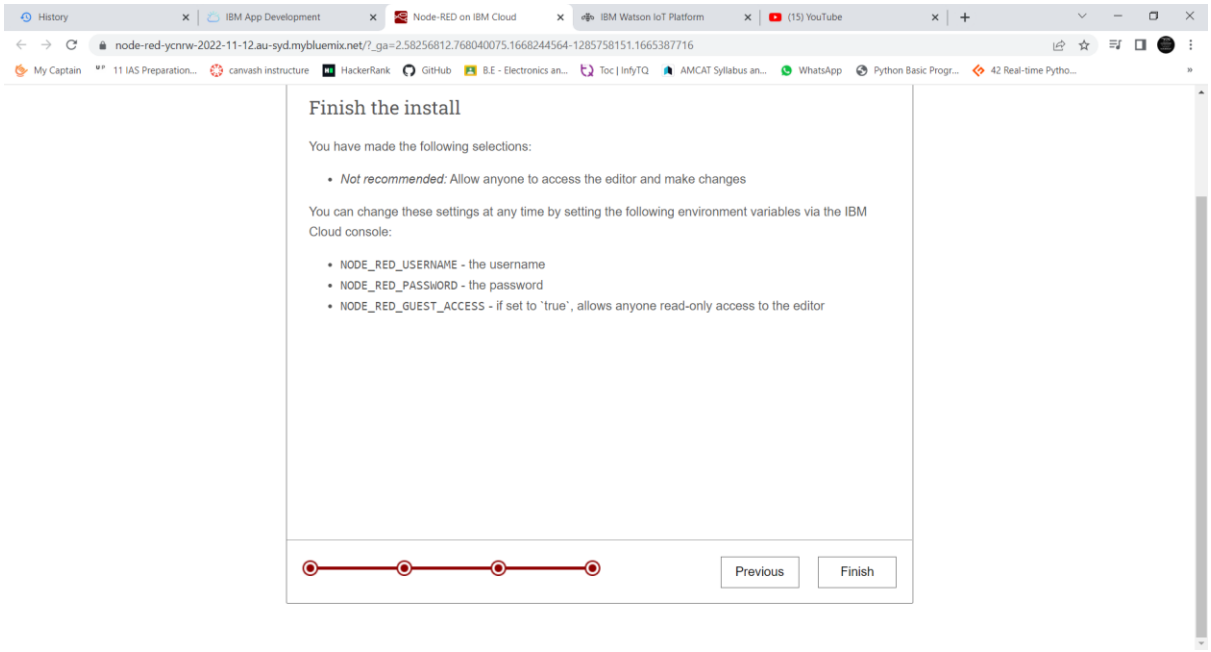




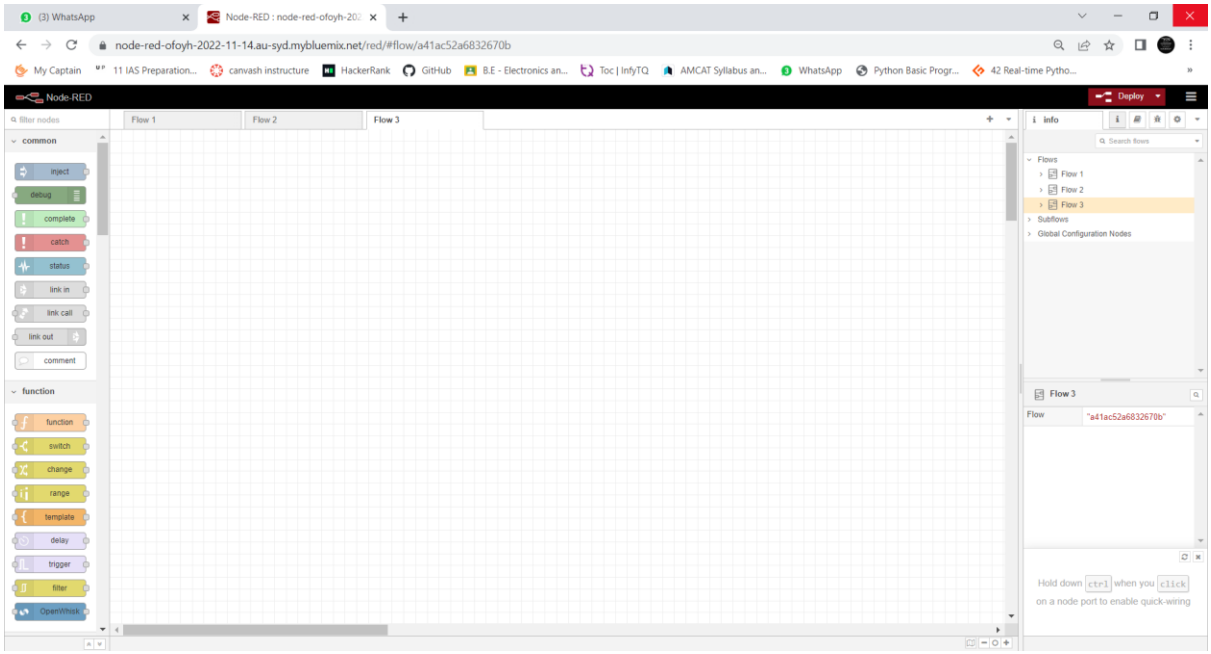


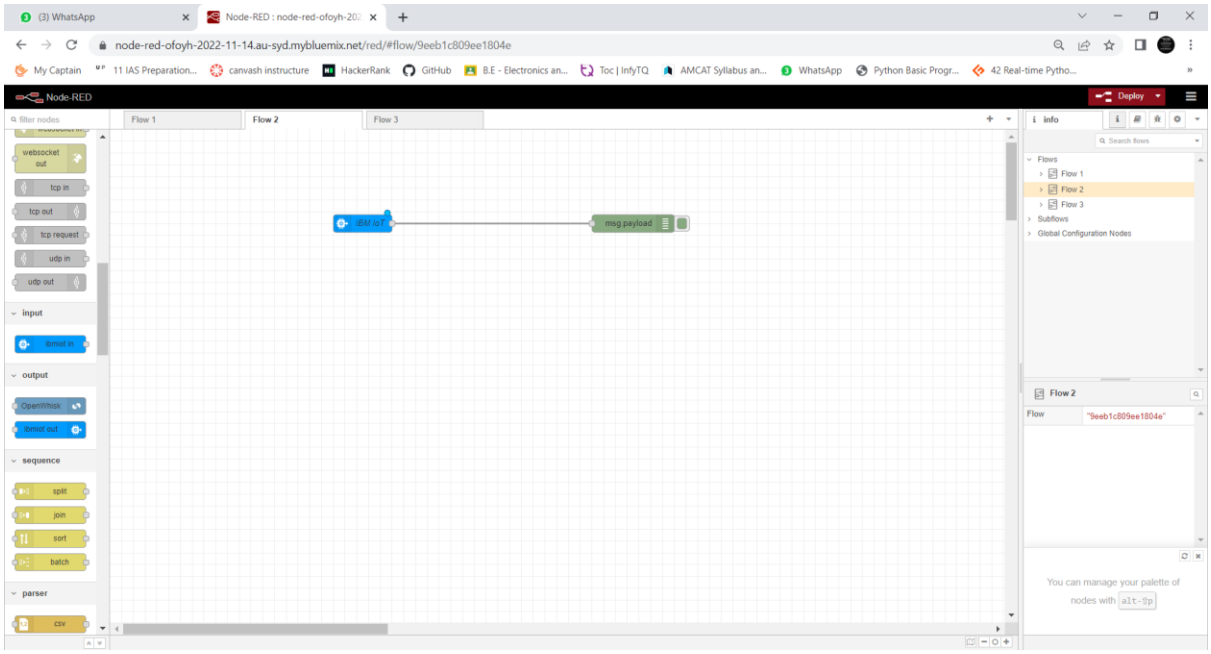
Wait until Ci- pipeline get successfully installed :

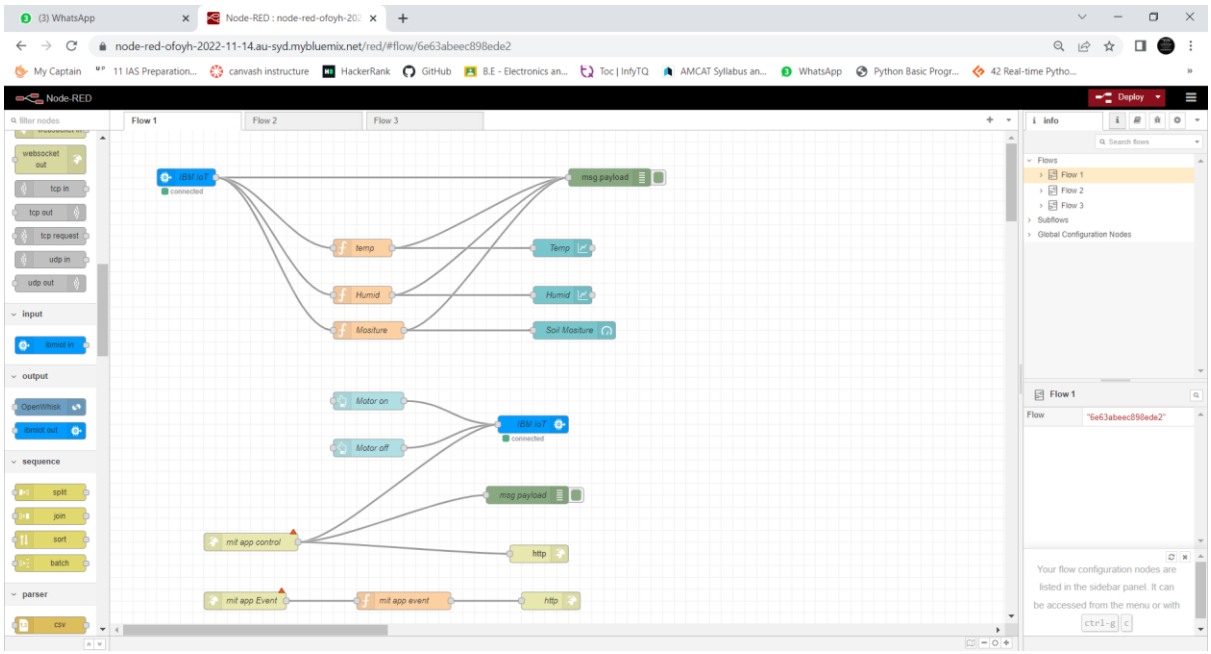




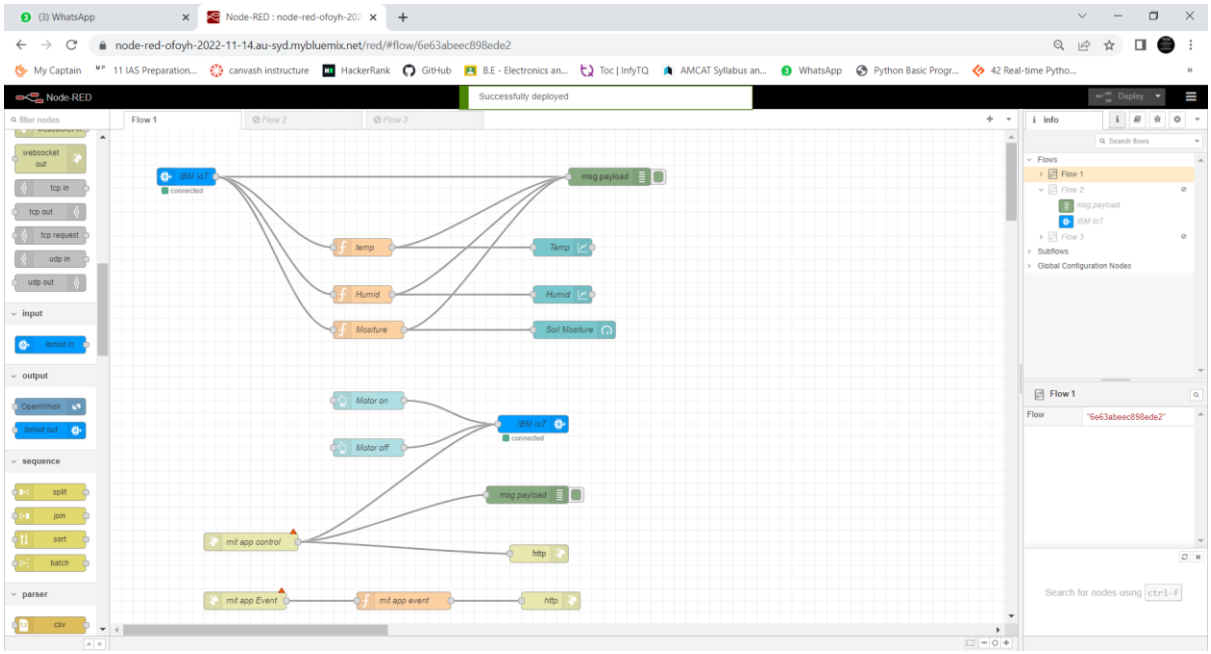
The flow diagram fill be opened were we can create our own needed flow for our project :



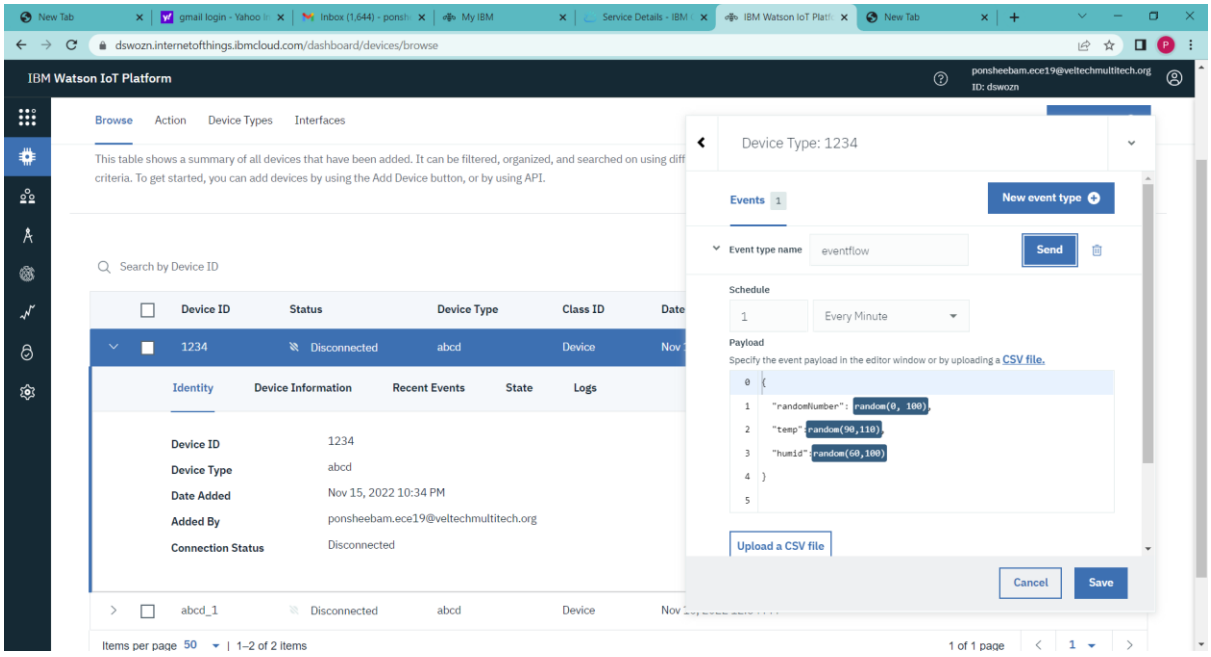

(3) WhatsApp
Node-RED : node-red-ofoyh-202
node-red-ofoyh-2022-11-14.au-syd.mybluemix.net/red/#flow/9eeb1c809ee1804e
Node-RED
Deploy
Flow 1
Flow 2
Flow 3
IBM IoT
msg.payload
info
Flow 2
"9eeb1c809ee1804e"


(3) WhatsApp
Node-RED : node-red-ofoyh-202
node-red-ofoyh-2022-11-14.au-syd.mybluemix.net/red/#flow/6e63abeec898ede2
Node-RED
Deploy
Flow 1
Flow 2
Flow 3
IBM IoT
connected
msg.payload
temp
Temp
Humid
Humid
Moisture
Soil Moisture
Motor on
Motor off
IBM IoT
connected
msg.payload
mit app control
http
mit app Event
mit app event
http
info
Flow 1
"6e63abeec898ede2"

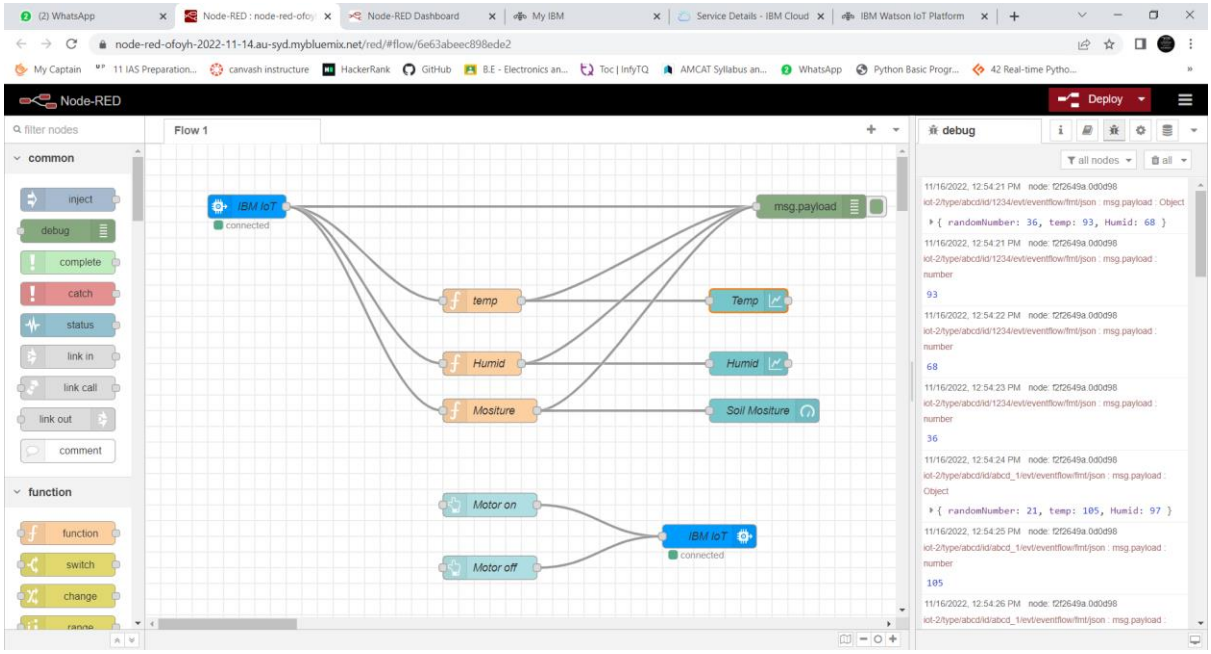
After creating a flow ,deploy it for connection if it was deployed ,then it shows deployed successfully were we can see the input shows connected after that connect it with IOT WATSON PLATFORM device for further stimulation :

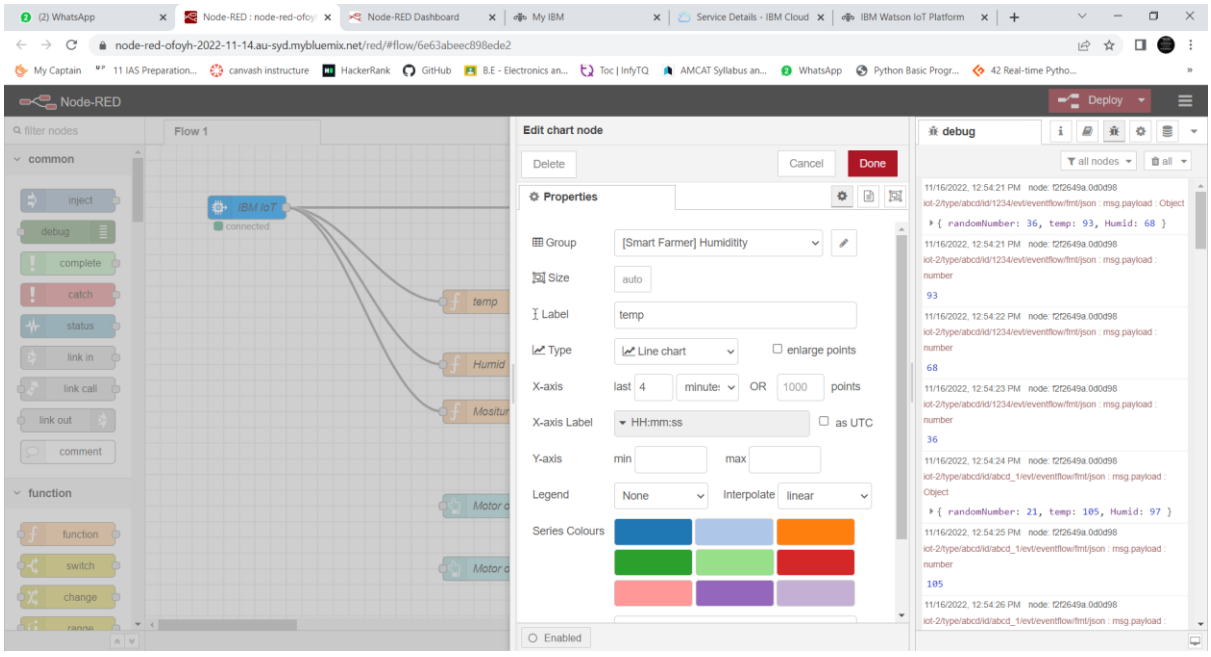


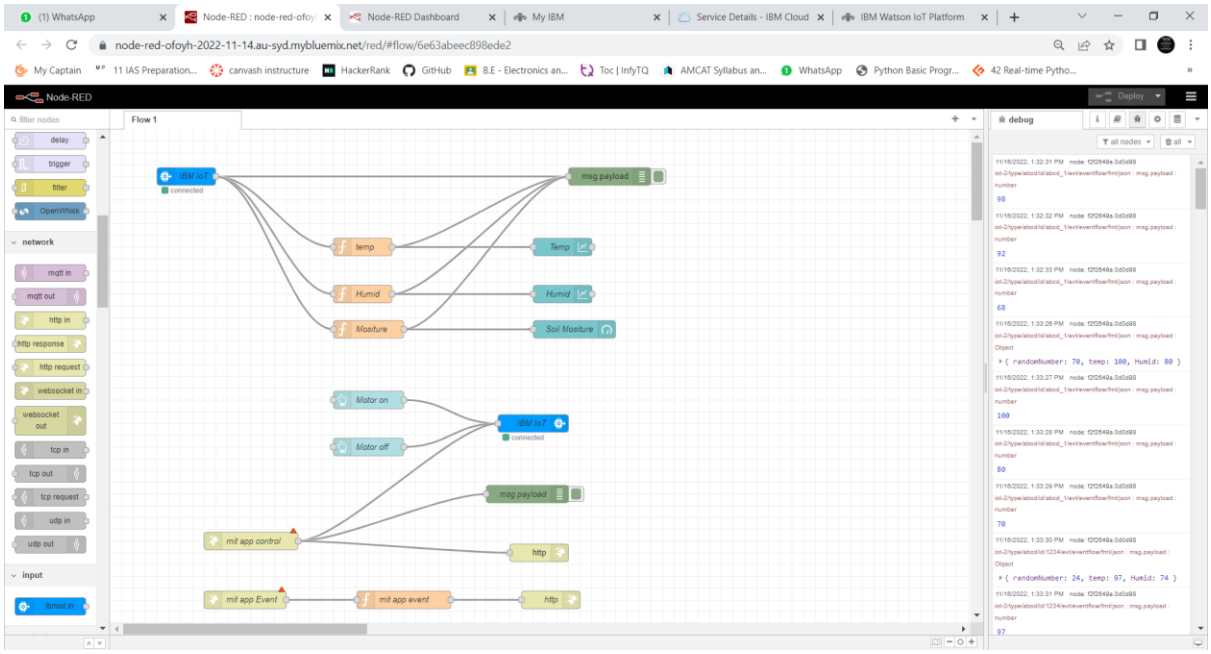
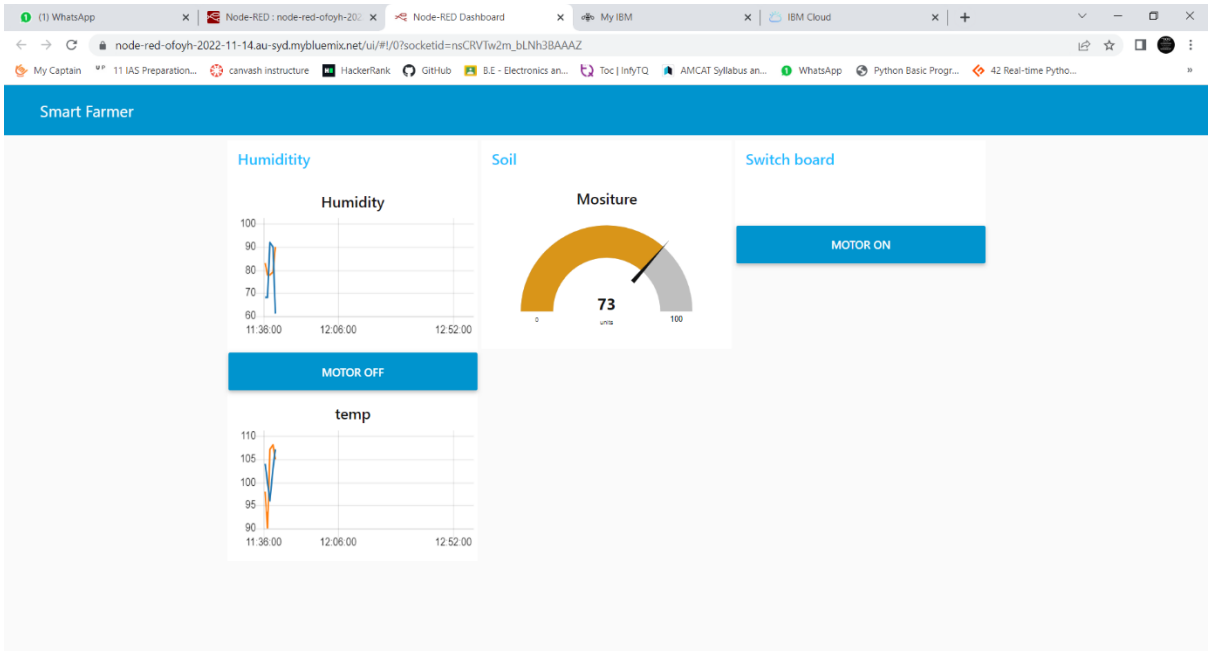
Connecting to Iot Watson platform device :



After simulation it shows the temp , humid and moisture value :







Final data of Temperature , Humidity and Soil moisture :