SPRINT DELIVERY – II

Project Name: SmartFarmer-Iot Enabled SmartFarming Application.

Team ID: PNT2022TMID32489

CONNECTING IOT SIMULATOR (IBM WATSON)&

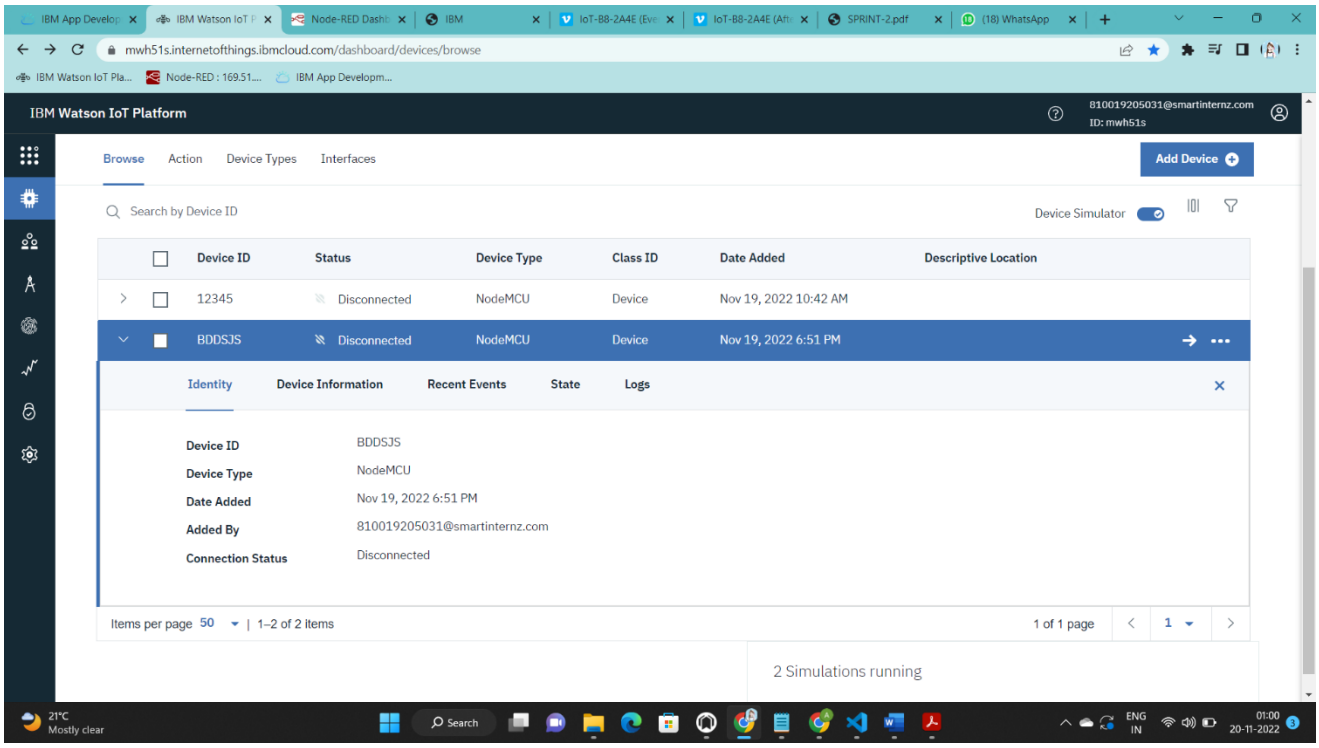
CREATING THE WEB APPLICATION (NODE-RED)

Connecting IOT Simulator:-

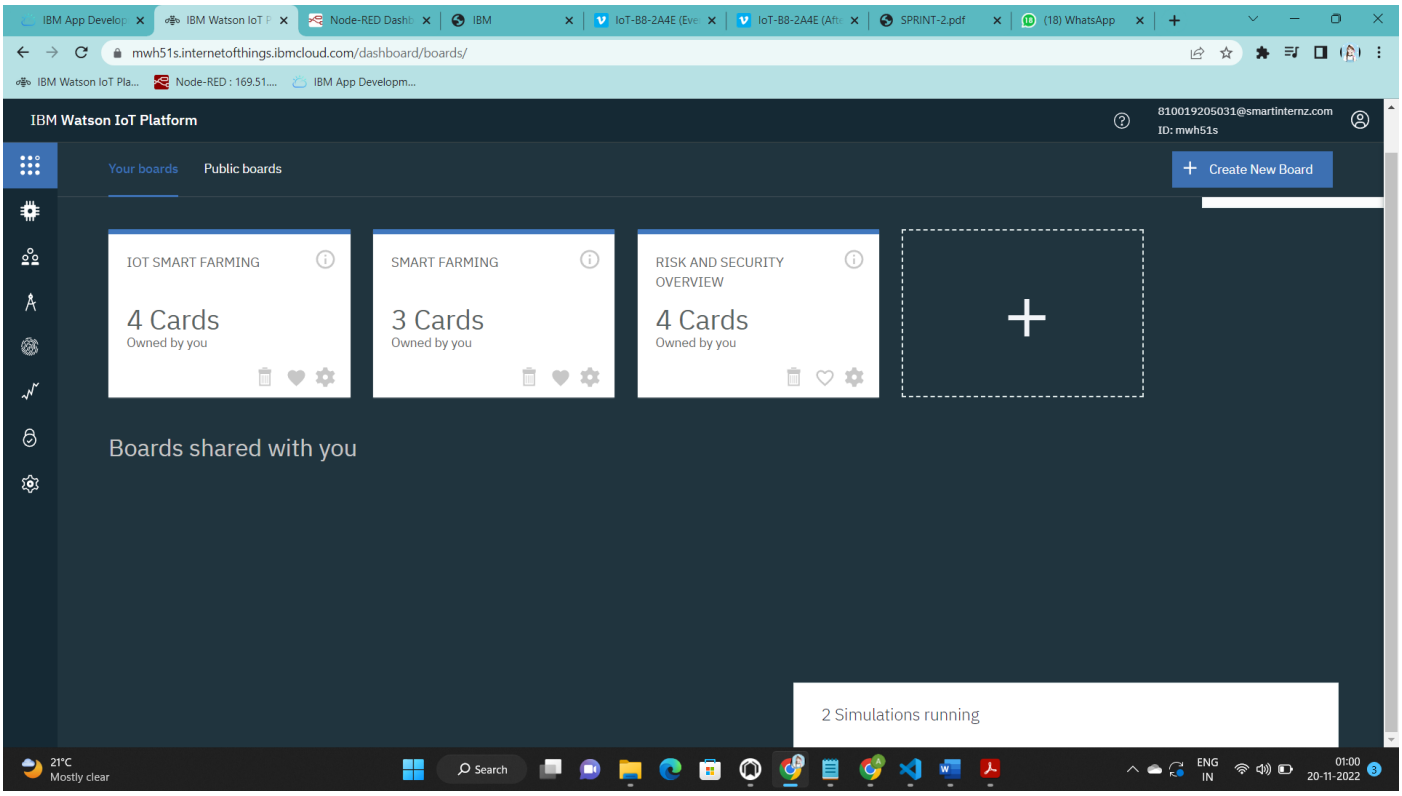
- Login to the IBM cloud
- Adding or Creating the device which is need for Simulation
- While registering, generated terms

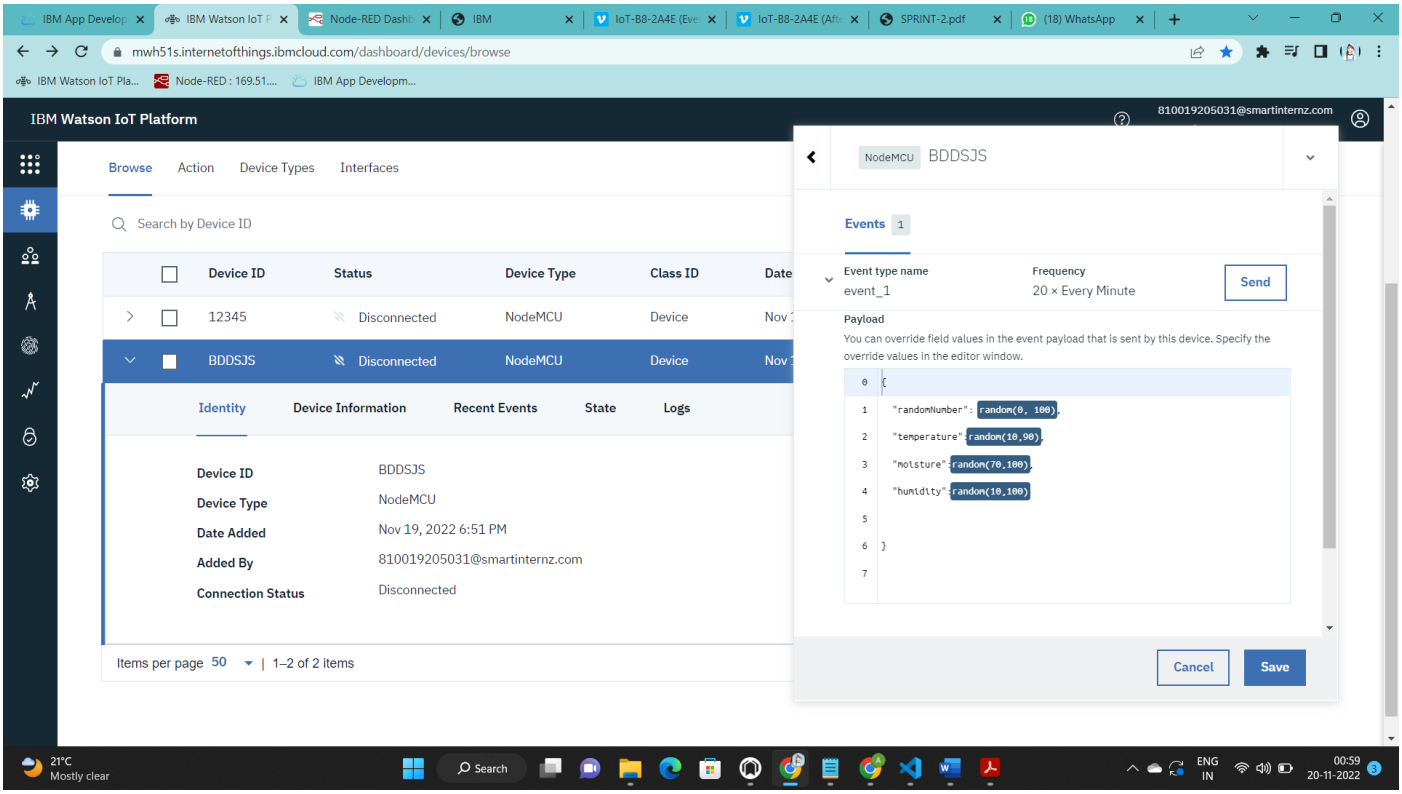
Organization ID : mwh51s
Device Type : NodeMCU
Device ID : BDDSJS
Authentication Method : use-token-auth
Authentication Token : BDDSJS1234

(Our Project Device)

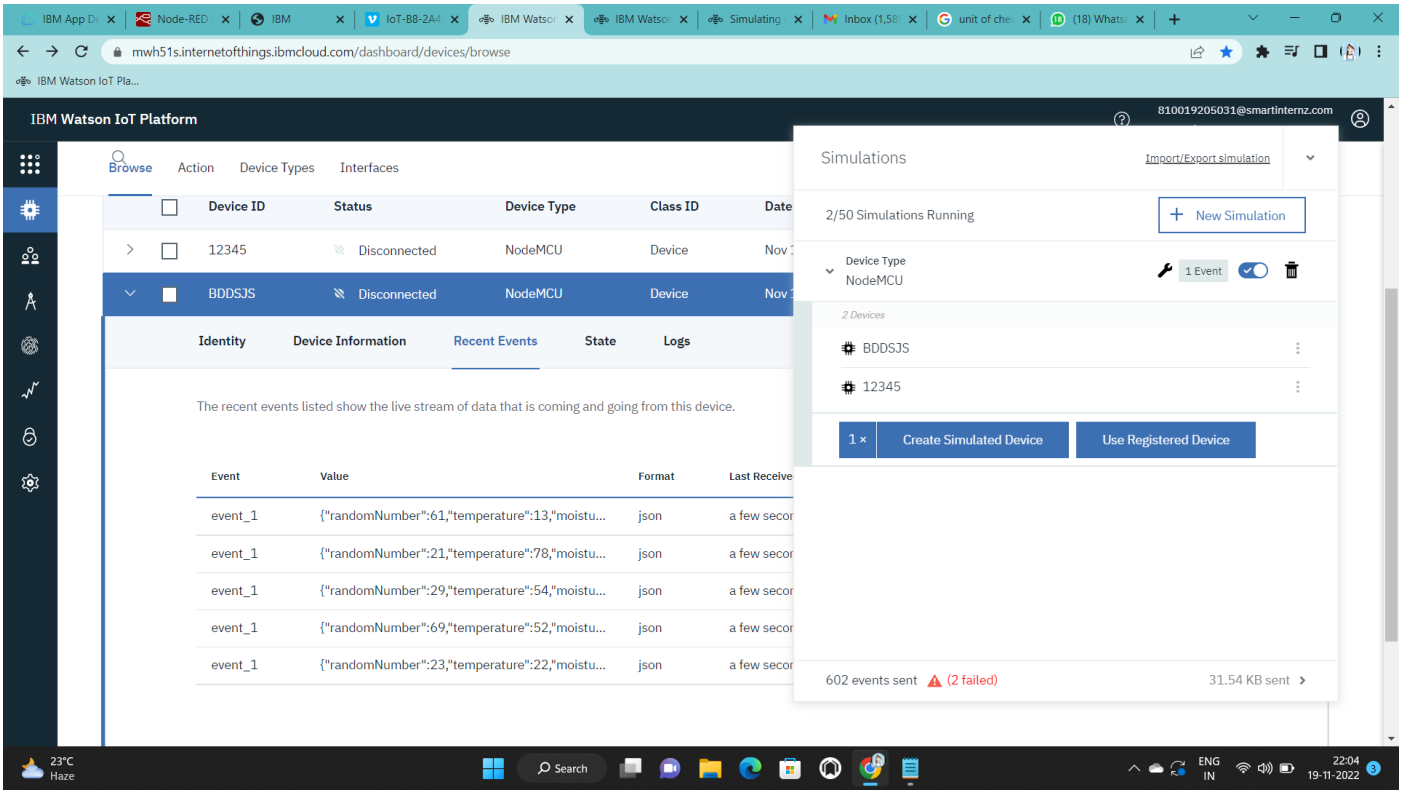


BOARD CONFIGURATION

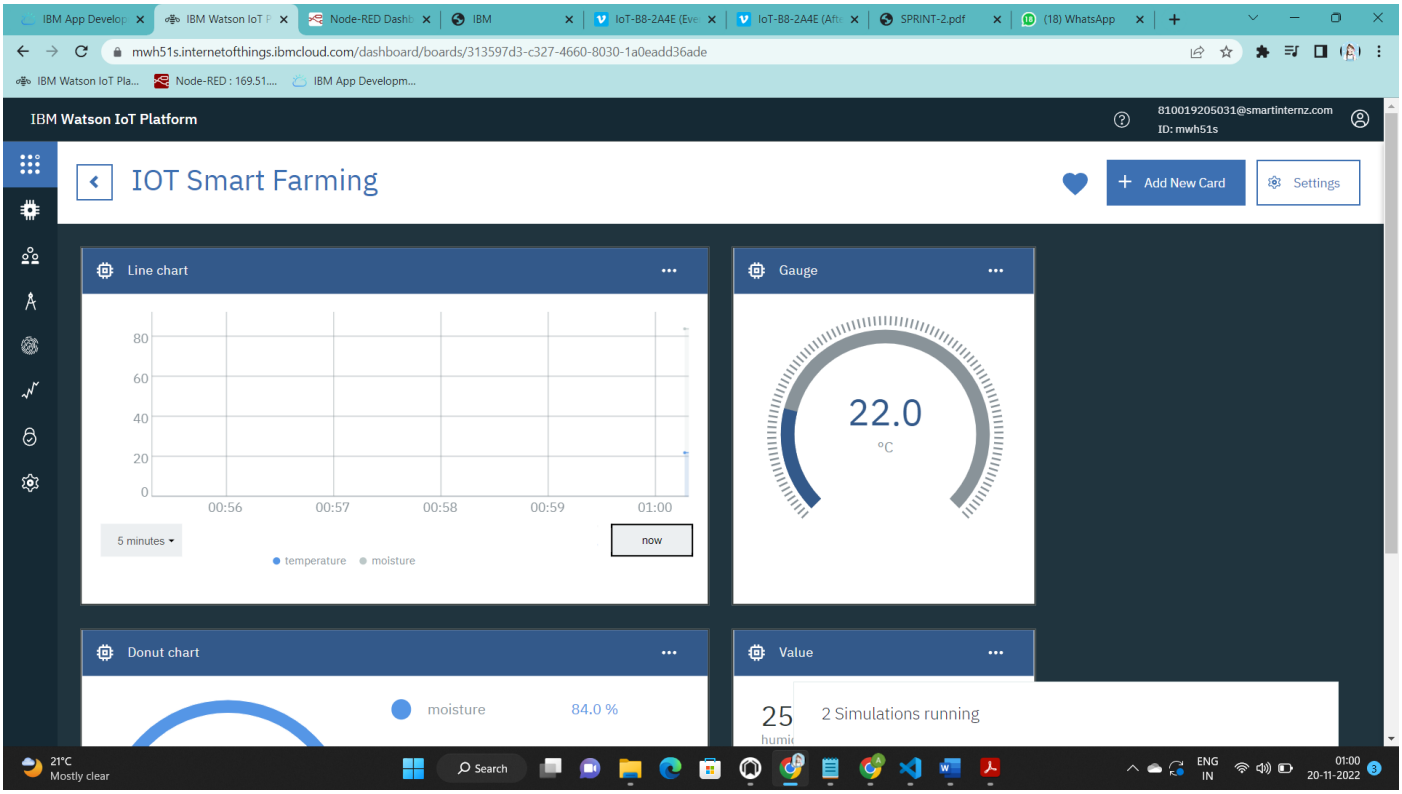


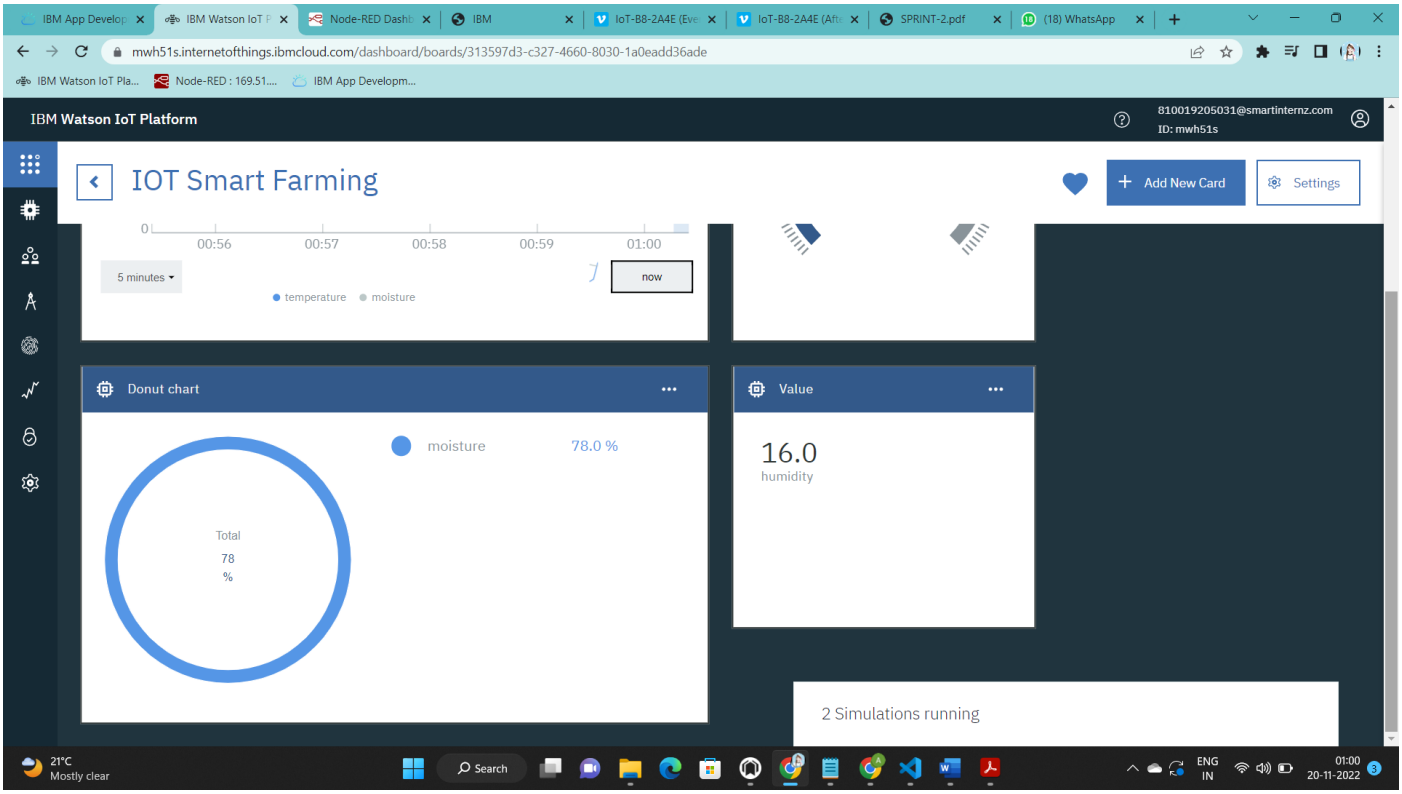


Here when we click the send button, the recent events shows the message.



CARD CONFIGURATION

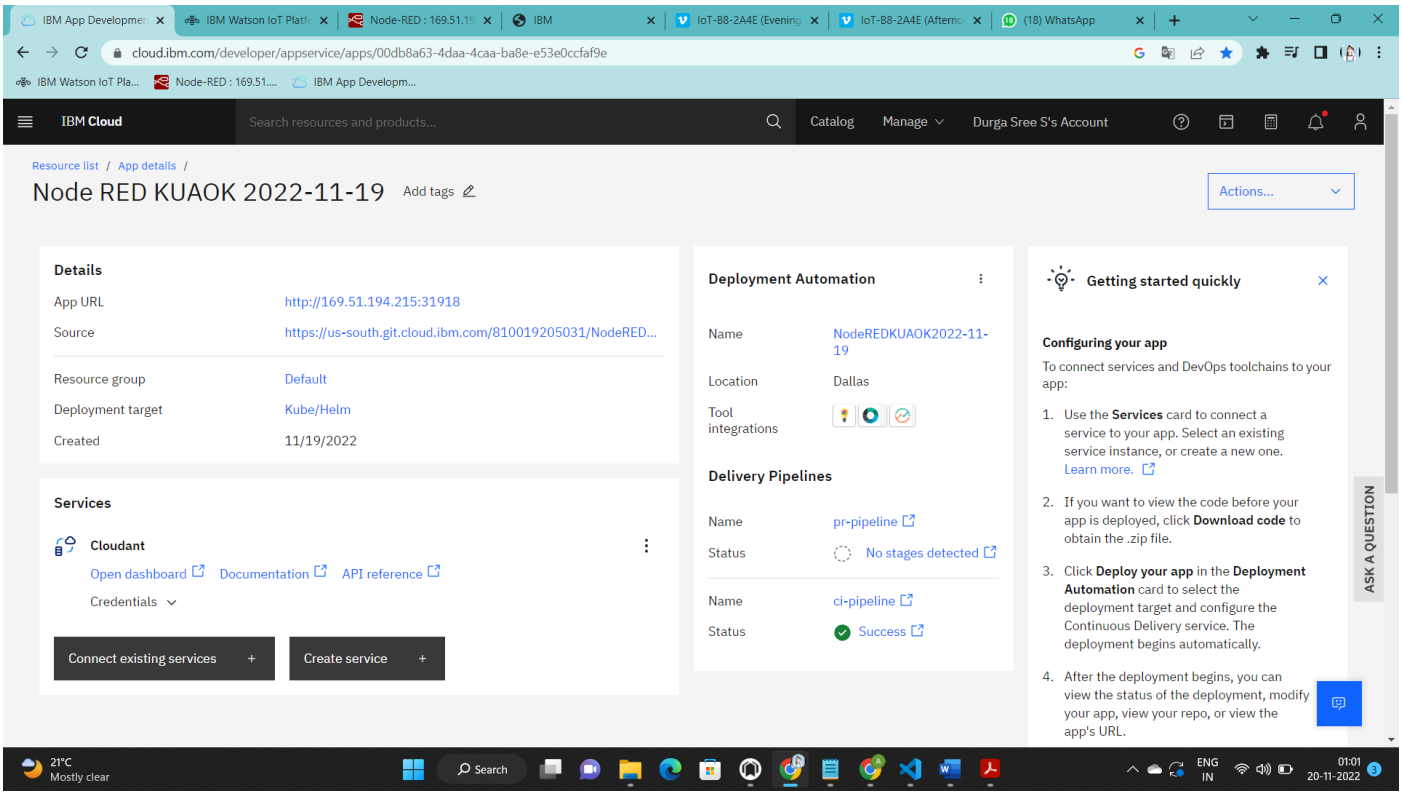



IBM Watson IoT Platform
810019205031@smartinternz.com
ID: mwh51s
IOT Smart Farming
Add New Card
Settings
00:56
00:57
00:58
00:59
01:00
5 minutes
now
temperature
moisture
Donut chart
moisture
78.0 %
Total
78
%
Value
16.0
humidity
2 Simulations running
21°C
Mostly clear
Search
ENG
IN
01:00
20-11-2022

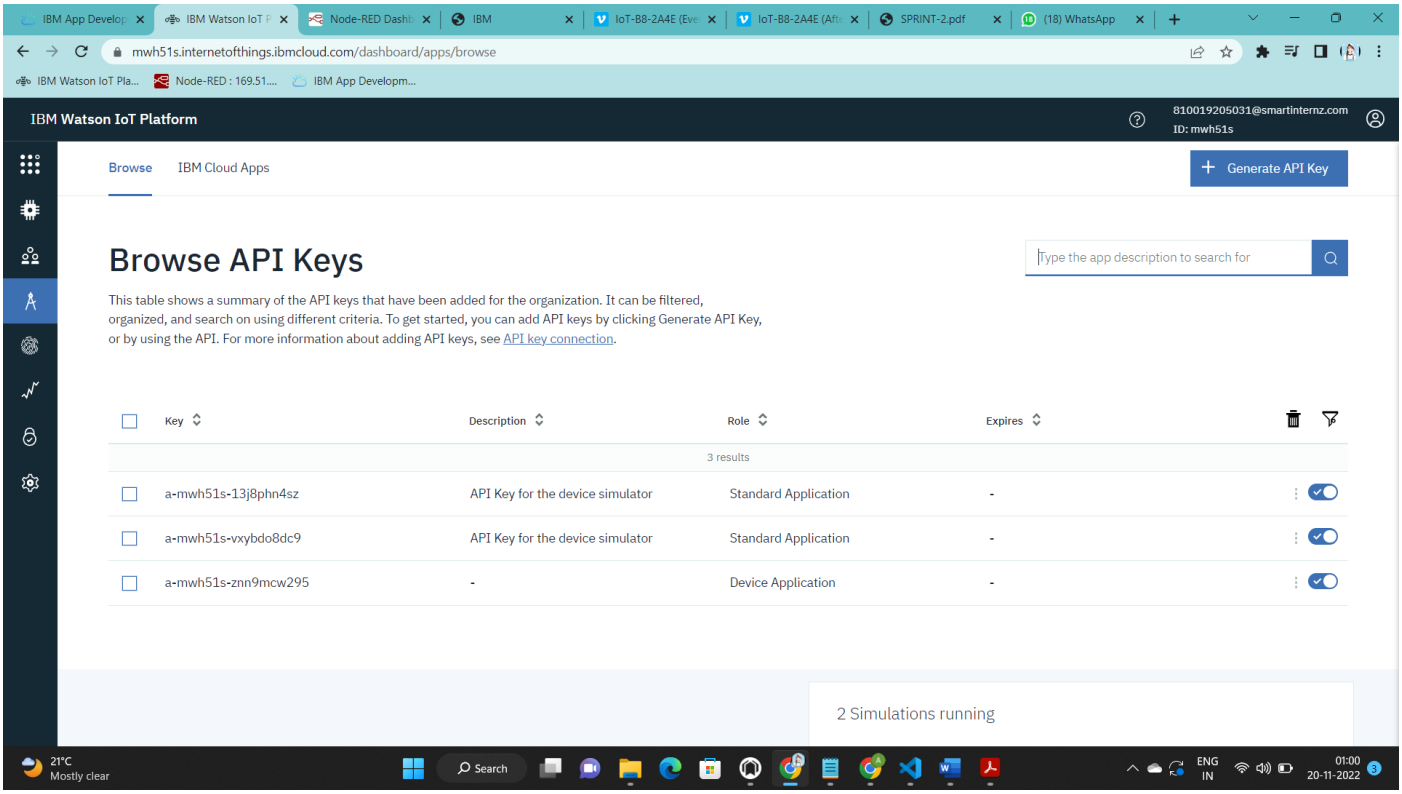
CREATING THE WEB APPLICATION (NODE-RED)

CONFIGURE AND DEPLOY THE NODE-RED

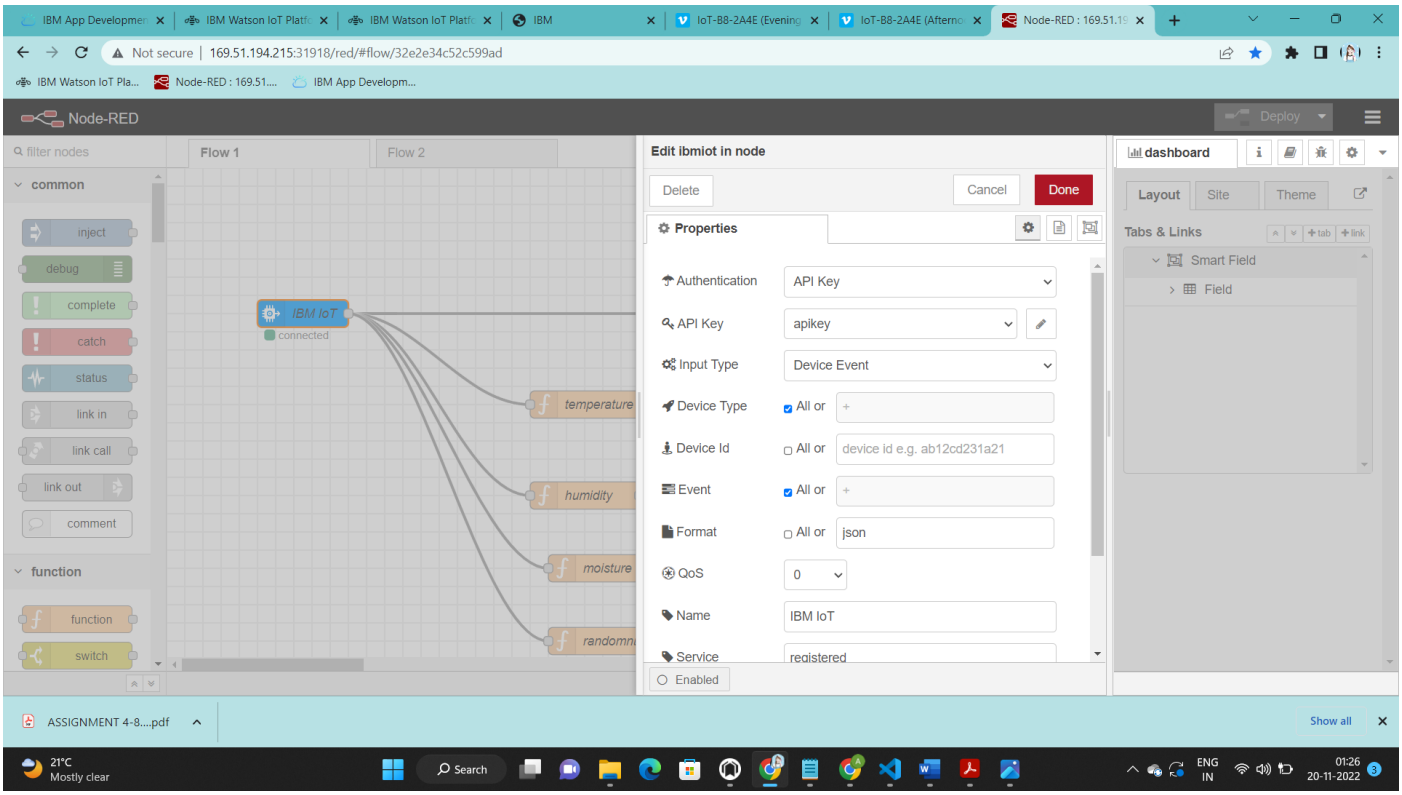
Install the Node-Red using kubernetes



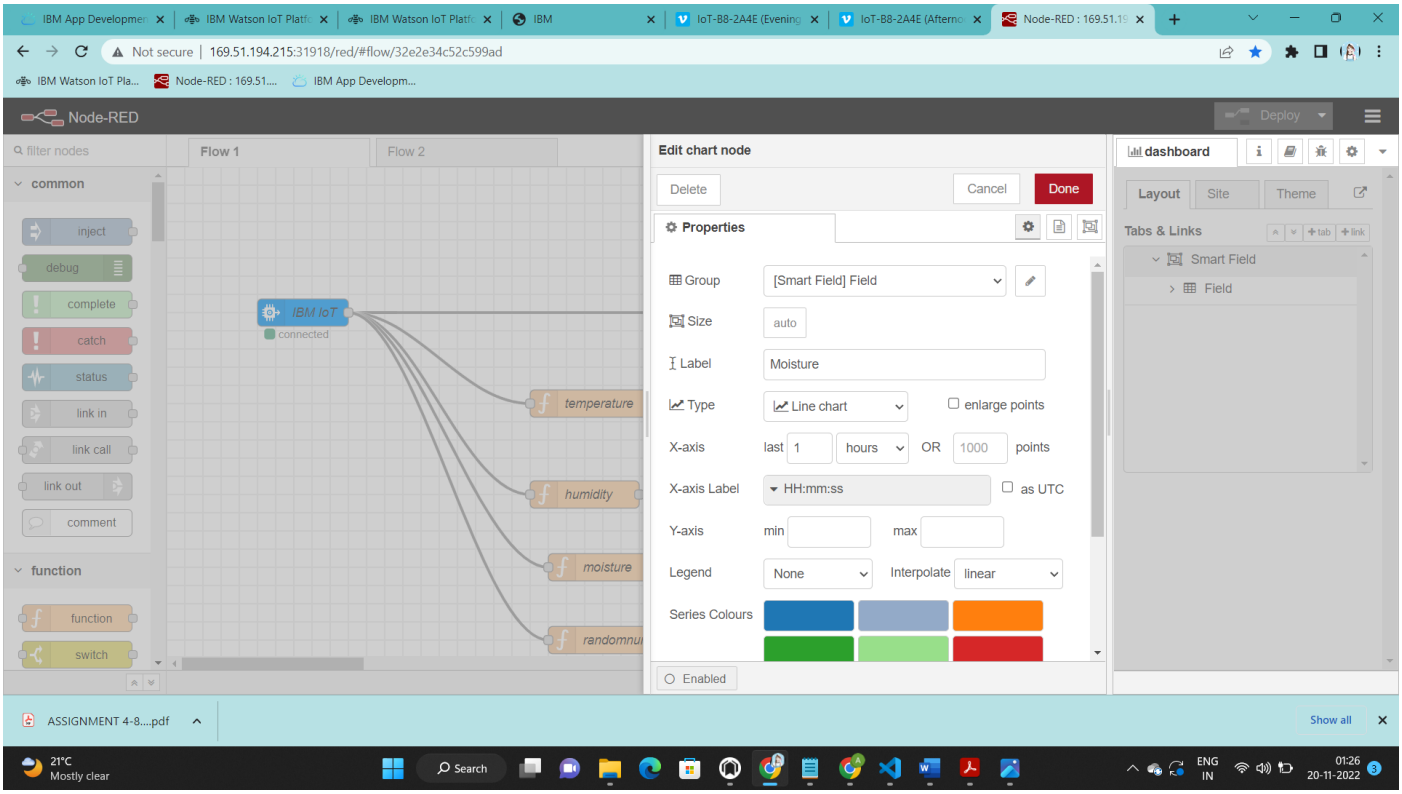
Generate the API Keys

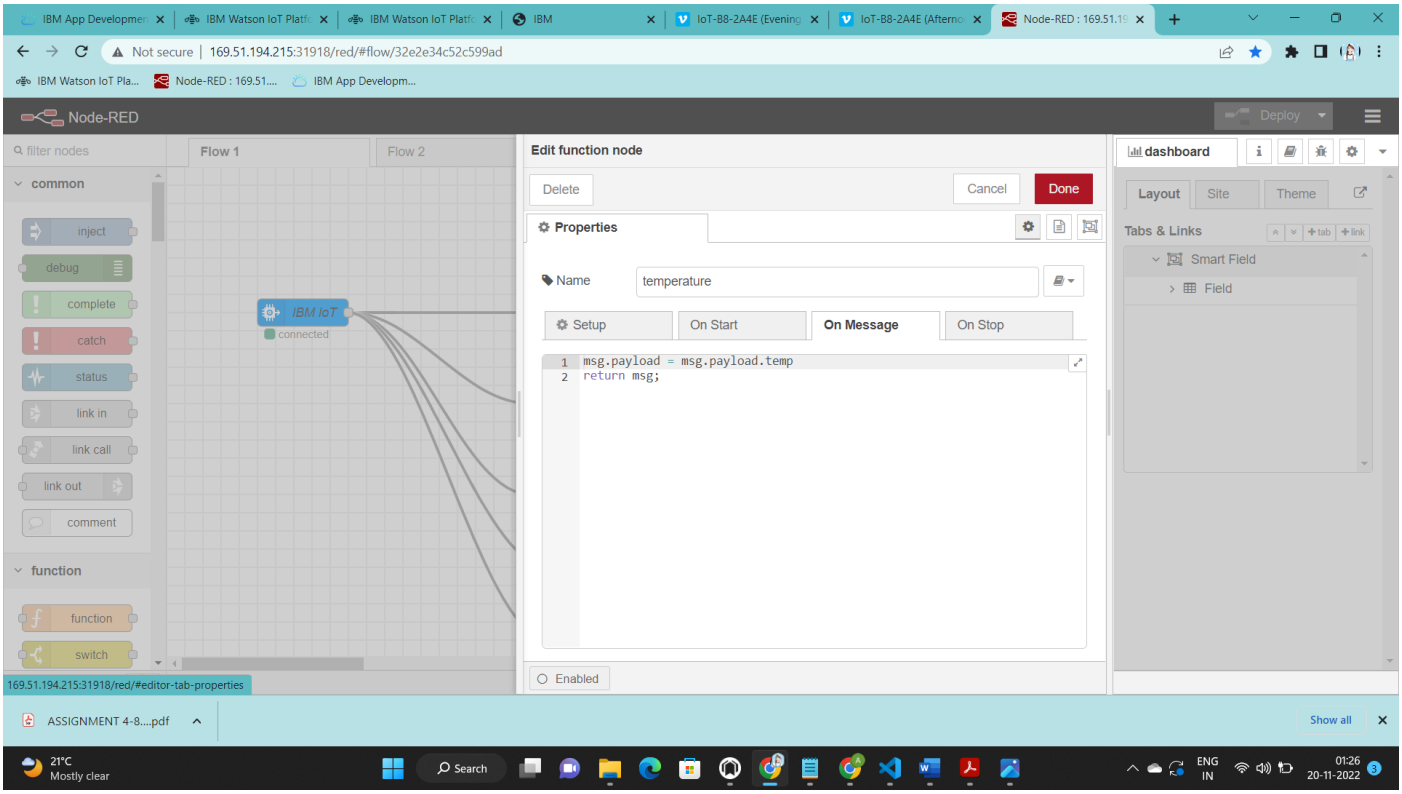


IbmIOT & API Config

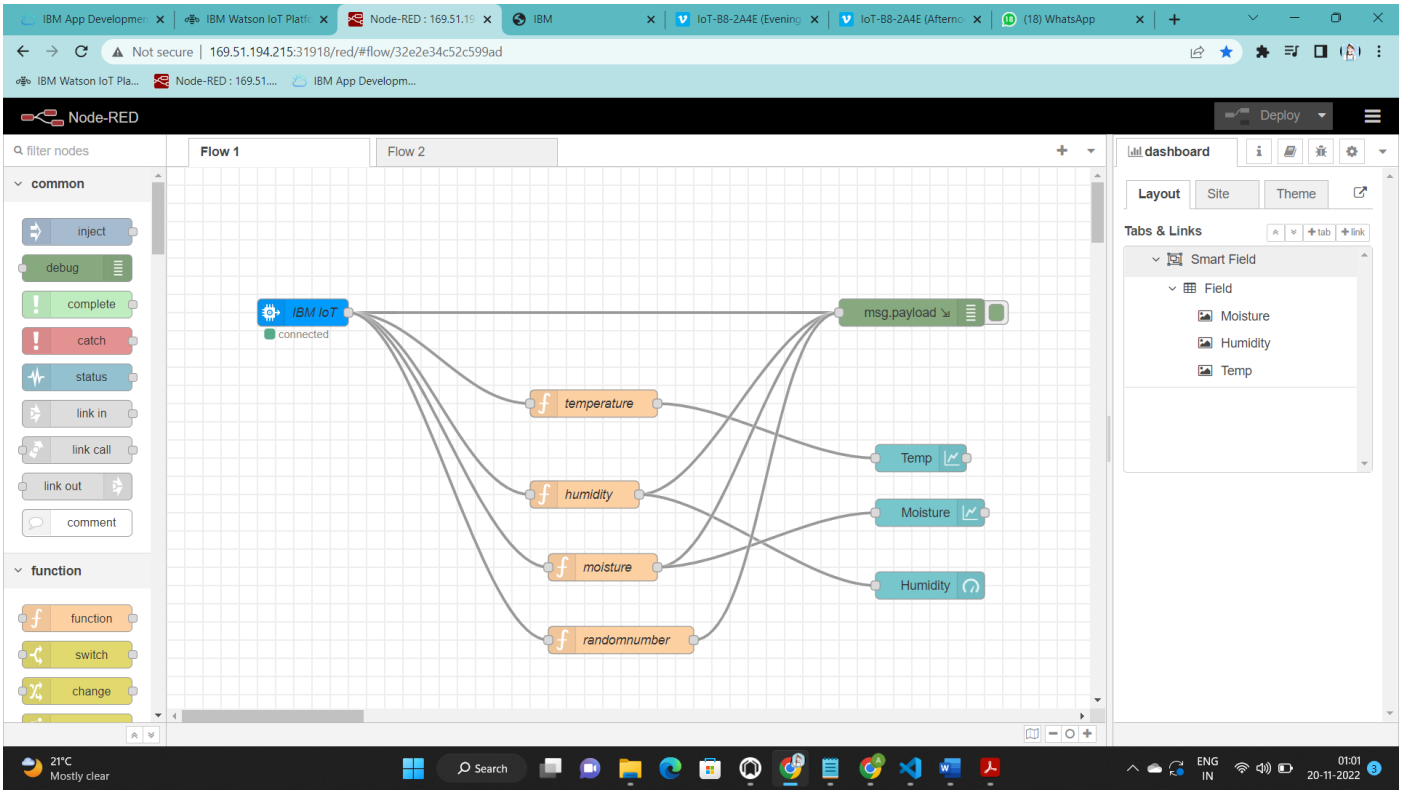


Function Configuration





DASHBOARD CREATION



USER INTERFACE NODE RED