

GOVERNMENT COLLEGE OF ENGINEERING CHETTIKARAI, DHARMAPURI

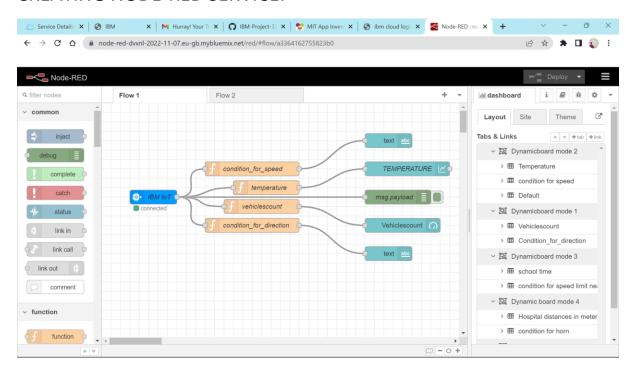


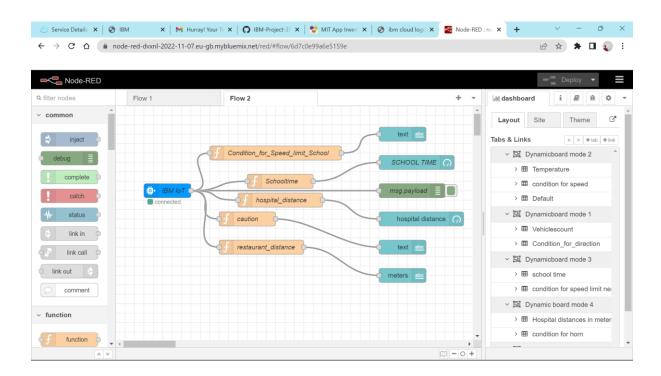
Signs with Smart Connectivity For Better Road Safety IBM NALAIYATHIRAN

Project Development – Delivery of sprint 2 Creating Node-Red And Connect With Cloud And Web UI

TITLE	Signs with Smart Connectivity for Better Road Safety
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID41261
TEAM LEADERNAME	AJAYSEKAR C
TEAM MEMBER NAME	AAKASH A
	DOURMILKUMAR G DHIVAGAR K
MENTOR NAME	Dr. DINESH G

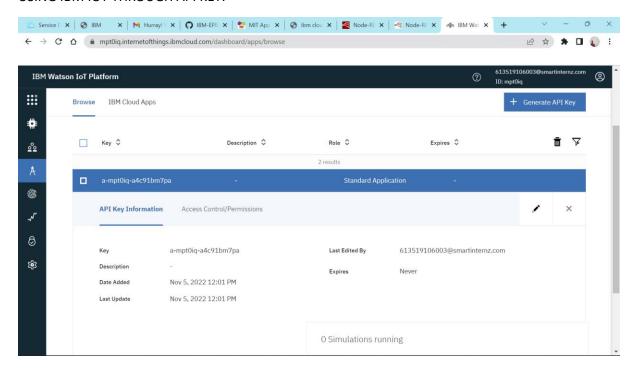
CREATING NODE-RED SERVICE:





CONNECTING WITH IBM CLOUD:

USING IBM IOT THROUGH API KEY:



TRANSFERING VALUES FROM PYTHON CODE:

```
*Python 3.7.0 Shell*
 aj2.py - C:\Users\ajayl\AppData\Local\Programs\Python\Python37\aj2.py (3.7.0)
                                                                                                                                              File Edit Shell Debug Options Window Help {'Distance_for_Hospital': 130} {'caution': 'No Horn'}
File Edit Format Run Options Window Help
#IRM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import trandom
myConfic
                                                                                                                                              Published:%s {'Restaurant_distance': 72}
Published:%s {'Temperature': 67}
{'Condition_for_Speed': 'Your Prefered Speed'}
import random
myConfig = {
   "identity": {
    "orqId": "mptOiq",
    "typeId": "dynamicboard",
   "deviceId": "888"
                                                                                                                                               Published:%s {'Vehiclescount': 64}
{'Condition_for_Direction': 'Take Diversion'}
      },
"auth": {
    "token": "0987654321"
                                                                                                                                              Published:%s ('Schooltime': 23)
{'Condition_for_Speed_limit_School': 'Your Prefered Speed'}
 def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command']
    m=cmd.data['command']
                                                                                                                                              Published:%s {'Restaurant_distance': 76}
 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
                                                                                                                                              === RESTART: C:\Users\ajayl\AppData\Local\Programs\Python\Python37\aj2.py ===
Published:\s2022-11-10 22:59:17,147 wiotp.sdk.device.client.DeviceClient INFO
Connected successfully: d:mpt0iq:dynamicboard:888
{'Cemperature': 68}
{'Condition_for_Speed': 'Your Prefered Speed'}
Published:%s {'Vehiclescount': 41} {'Condition_for_Direction': 'As Your Wish'}
                                                                                                                                               Published:%s {'Schooltime': 5}
{'Condition_for_Speed_limit_School': 'Your Prefered Speed'}
                                                                                                                                               {'Distance_for_Hospital': 88}
{'caution': 'No Horn'}
                                                                                                                                              Published:%s {'Restaurant distance': 23}
Page 3 of 3 79 words 🔀 English (India)
                                                               Accessibility: Investigate
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```

NODE -RED DASHBOARD:

