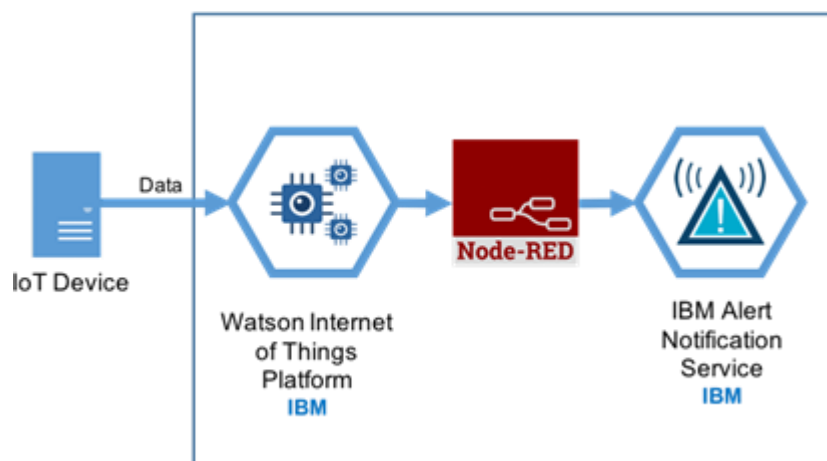


# IoT Based Safety Gadget for Child Safety Monitoring and Notification (code & working model solution)

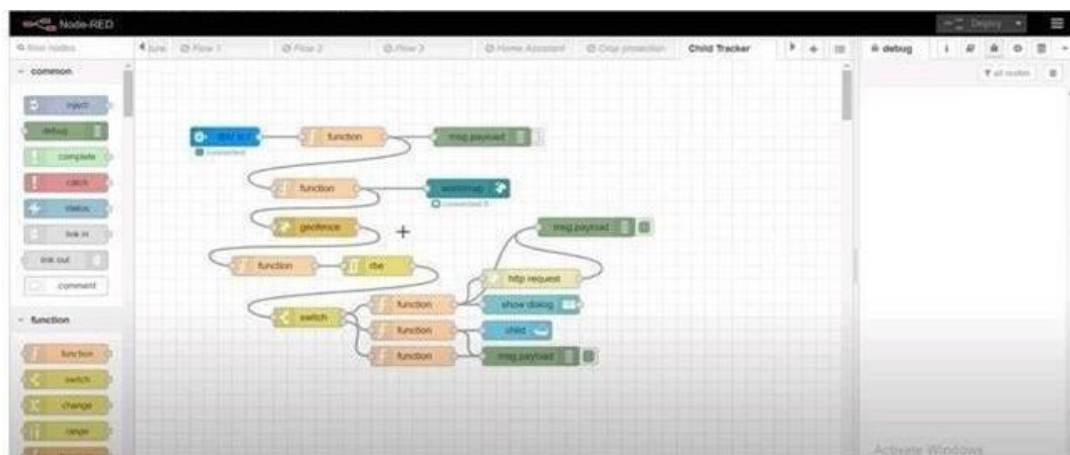
## SPRINT-1

<b>Team ID</b>	PNT2022TMID01197
<b>Project Name</b>	IOT Based Safety Gadget for Child Safety Monitoring&Notification

### MODEL OF CODE WORKING :



### 1. BUILD A NODE- RED :



## 2.ADD A CODE TO GET CHILD LOCATION IN PYTHON :

```
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location

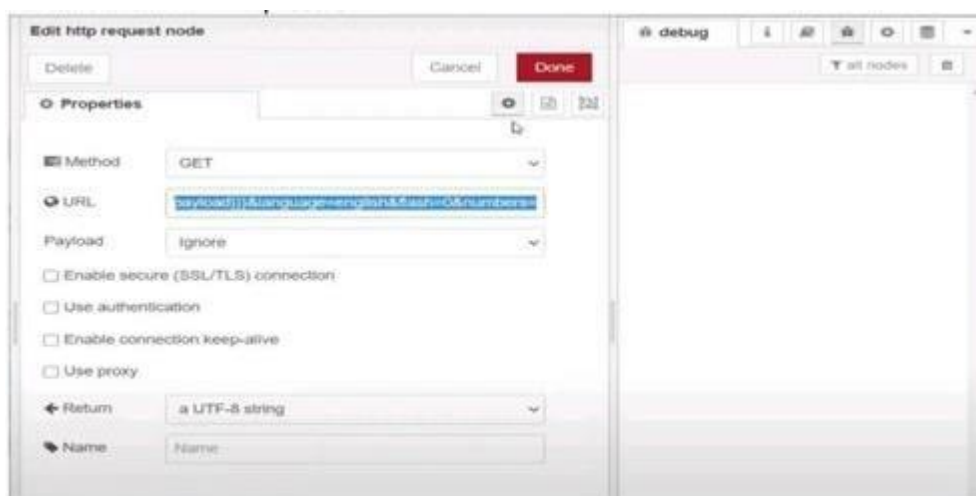
    latitude= 17.4225176
    longitude= 78.5458842

    #out area location

    #latitude= 17.4219272
    #longitude= 78.5488783
    myData={'name': name, 'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)

client.disconnect()
```

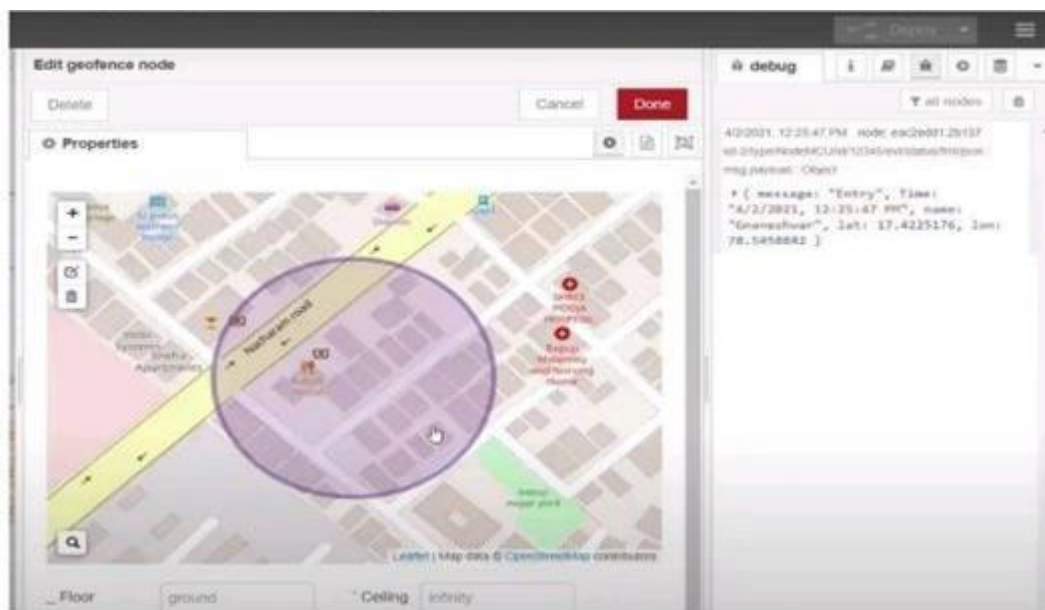
## 3. EDIT THE HTTP REQUEST URL :



#### 4. LIVE LOCATION OF THE CHILD :



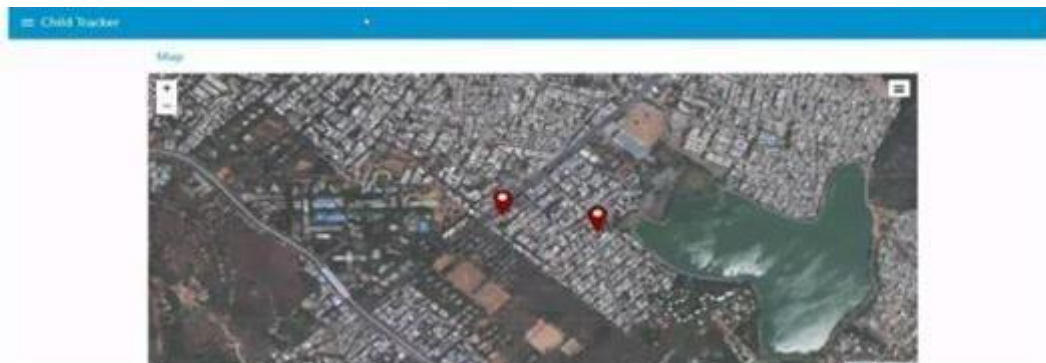
#### 5. CREATE THE GEOFENCE NODE :



#### 6. PYTHON SCRIPT SEND REQUEST YO IBM CLOUD :

[illegible]

## 7.RESULT : “After Running The Script, The Web UI show The Current Location & The Activity Of The Child”



### TEST CASE :

TEST CASE ID	FEATURE TYPE	COMPONENT	TEST SCENARIO	EXPECTED RESULT	STATUS
TC_ID_01	UI	HOME PAGE	To track and get exact location of children	Working as expected	pass
TC_ID_02	UI	HOME PAGE	It increase the interaction of the family's with their children	Working as expected	pass

