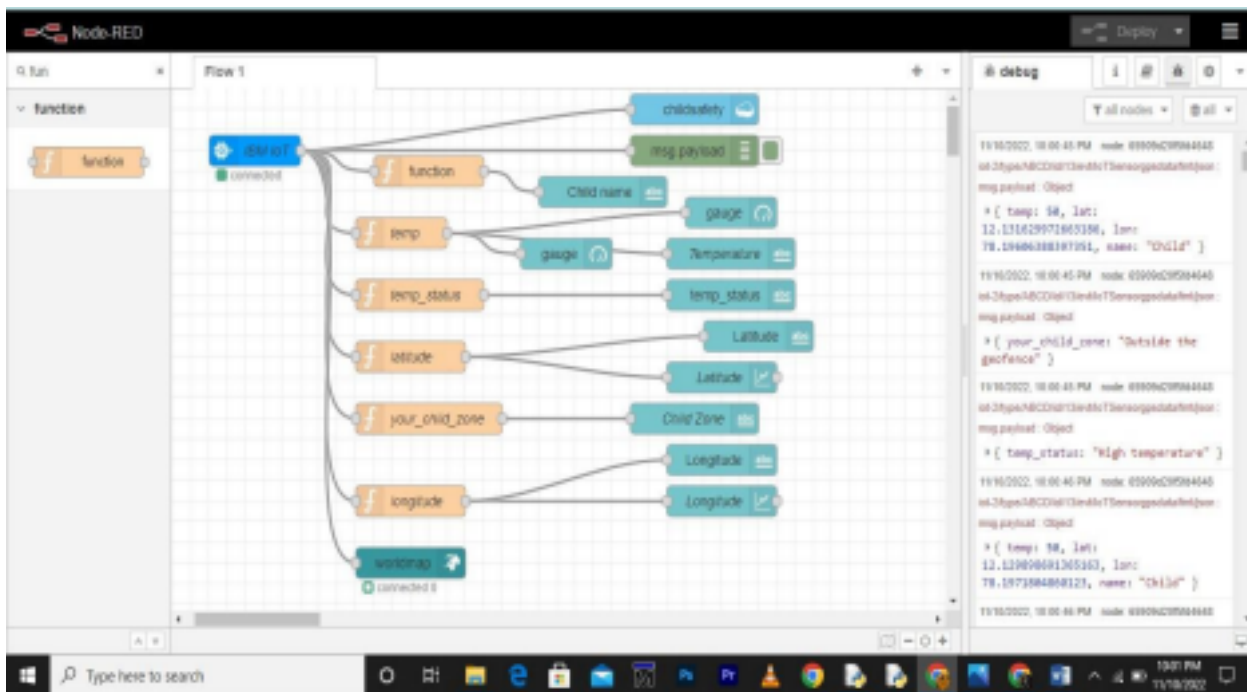


Sprint 2

Date	17 November 2022
Team Id	PNT2022TMID33608
Team Members	Sindhuja.J(Lead) Sangeetha.R Sarumathi.J Shooriya Prabhaa.S
Project	Project – IoT Based Safety Gadget For Child Safety Monitoring & Notification

Creating Node-Red service:





```
Child Safety device.py - C:\Users\kutta\Desktop\IBM-IO\Child Safety device.py (3.7.4)
File Edit Format Run Options Window Help

import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "illxai"
deviceType = "iatiotem"
deviceId = "613510"
authMethod = "token"
authToken = "1092837665"
#api key (s-illxai-stdago6s0w)
#api token (sYx13uAMFzF_a79kT)

try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod}
    deviceCli = ibmiotf.device.Client(deviceOptions)
    #.....
except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
    sys.exit()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type
print("power on")
print("checking connection to watson iot...")
time.sleep(2)
deviceCli.connect()
print("Dear user ... welcome to IBM-IOT")
print("I can provide your childrens live location and temperature")
print()
name = str(input("enter your child name:"))
while True:

    temperature = random.randint(20,50) #random temperature for your child
    latitude = random.uniform(10.701377,10.70443) #random latitude for your child
    longitude = random.uniform(78.129113,78.139214) #random longitude for your child

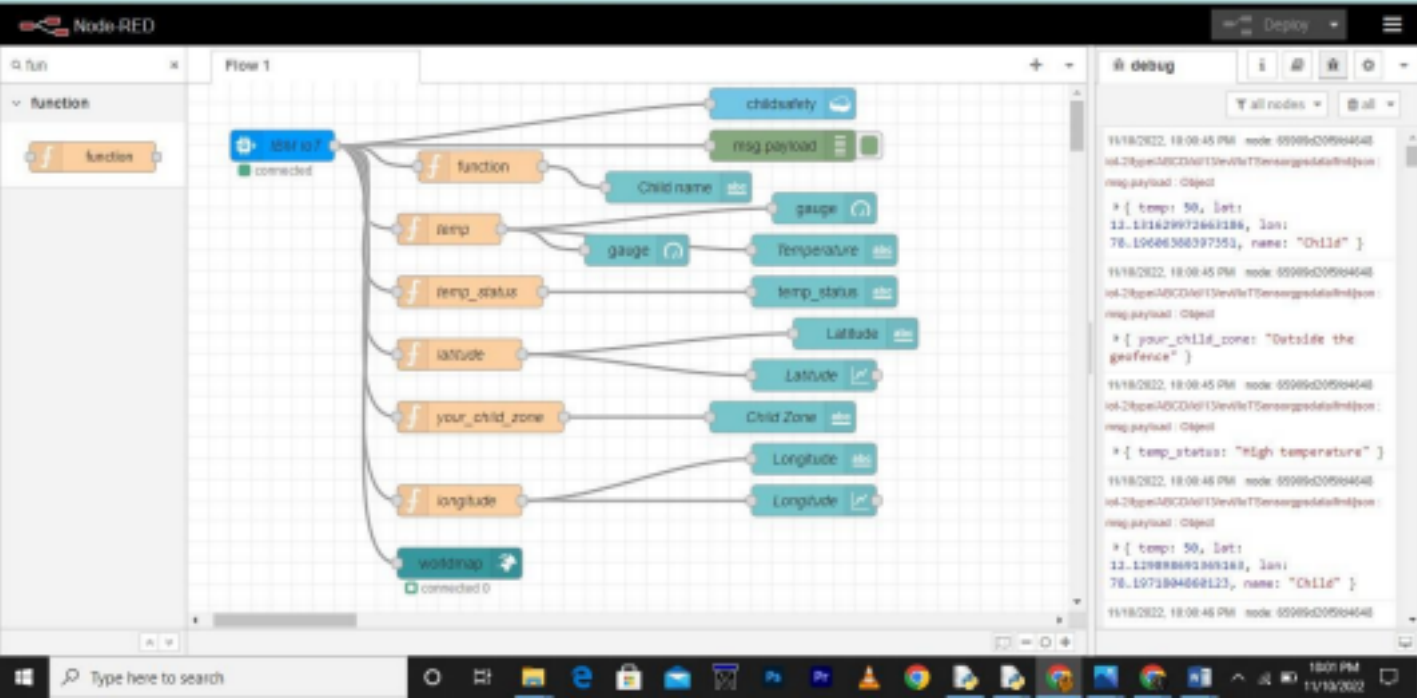
    data = { "temp": temperature, "lat": latitude, "lon": longitude, "name": name }
    #print data
    def myOnPublishCallback():
        print("published data successfully")

Python 3.7.4 Shell
File Edit Shell Debug Options Window Help

Python 3.7.4 (tags/v3.7.4:1e000012e, Jul 8 2019, 20:34:20) [MSC v.1916 64
(RAND48)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\kutta\Desktop\IBM-IO\Child Safety device.py =====
power on
checking connection to watson iot...
2022-11-10 22:14:21.799 ibmiotf.device.Client INFO Connected succe
lly: deviceId: iatiotem613510
Dear user ... welcome to IBM-IOT
I can provide your childrens live location and temperature

enter your child name:child
Published Temperature = 39 C latitude = 10.702799628132827 & longitude = 79.
567253162 & to IBM Watson
Published Temperature = 29 C latitude = 10.702609248109654 & longitude = 79.
1265540076 & to IBM Watson
Published Temperature = 43 C latitude = 10.701765104654792 & longitude = 79.
077844707 & to IBM Watson
Published Temperature = 30 C latitude = 10.706053936699010 & longitude = 79.
1346715707 & to IBM Watson
Published Temperature = 31 C latitude = 10.704810388978826 & longitude = 79.
0117359415 & to IBM Watson
Published Temperature = 48 C latitude = 10.705049932923024 & longitude = 79.
5563867665 & to IBM Watson
Published Temperature = 24 C latitude = 10.704168891438233 & longitude = 79.
9828964442 & to IBM Watson
Published Temperature = 23 C latitude = 10.706249940053950 & longitude = 79.
4348594444 & to IBM Watson
Published Temperature = 27 C latitude = 10.703008327214410 & longitude = 79.
501933729 & to IBM Watson
Published Temperature = 43 C latitude = 10.70490416981946 & longitude = 79.
7749933969 & to IBM Watson
Published Temperature = 49 C latitude = 10.704208945379015 & longitude = 79.
2182881409 & to IBM Watson
Published Temperature = 45 C latitude = 10.703693544907325 & longitude = 79.
504415041 & to IBM Watson
```

Node Red:



Node-Red Dashboard:

