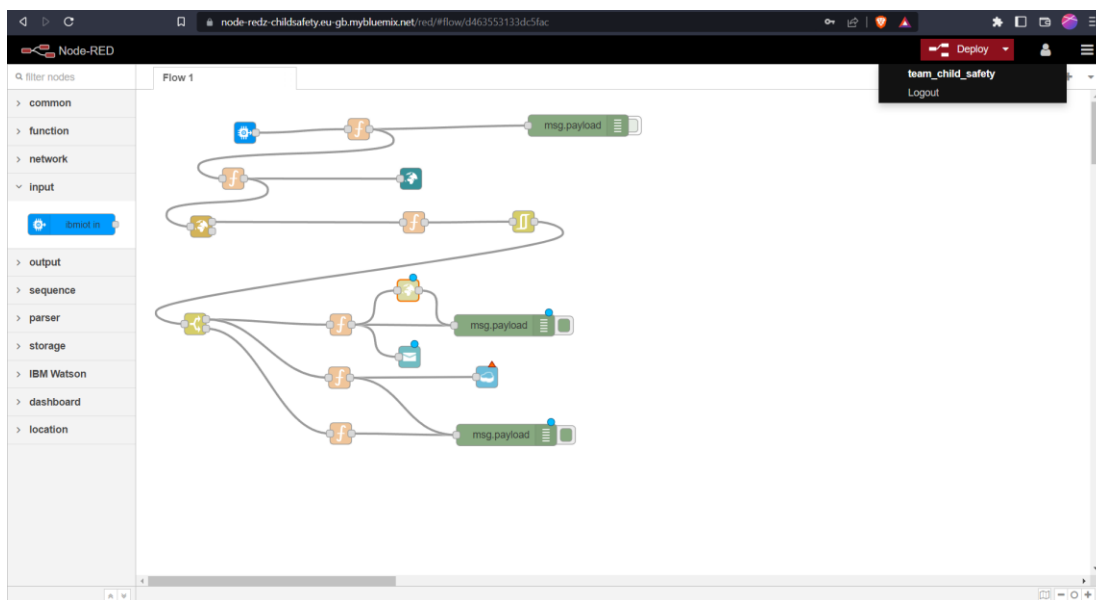


**Project**  
**Development**  
**Phase**  
**Delivery of**  
**Sprint – III**

Date	10 November 2022
Team ID	PNT2022TMID15065
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

In this sprint we have connected the IBM watson IOT platform with the node red and upon changing the inputs to the code we have get the alarm from the ui and a message popping up that the child is not in the location and a SMS to the corncerned parents through the fast2sms site , we have created a geofence which gives the exact location about the child and a map to show the changes in the location.



child.py - C:\Users\victo\AppData\Local\Programs\Python\Python37\child.py (3.7.0)

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

myConfig = {
    "identity": {
        "orgId": "3zwvu2",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

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

while True:
    name = "ChildSafety"
    #latitude = 17.4225176
    #longitude = 78.5458842
    latitude = 17.4219272
    longitude = 78.5488783
    myData={'name': name, 'lat':latitude, 'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
        print("Data published to IBM IoT platform: ",myData)
        time.sleep(5)
    client.disconnect()
```

Ln 1 Col 0

\*Python 3.7.0 Shell\*

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\victo\AppData\Local\Programs\Python\Python37\child.py ==
2022-11-18 17:32:10,786 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:3zwvu2:NodeMCU:12345Data published to IBM IoT platform:
{'name': 'ChildSafety', 'lat': 17.4219272, 'lon': 78.5488783}
Data published to IBM IoT platform: {'name': 'ChildSafety', 'lat': 17.4219272,
'lon': 78.5488783}
Data published to IBM IoT platform: {'name': 'ChildSafety', 'lat': 17.4219272,
'lon': 78.5488783}
```

Ln 5 Col 0

3zwvu2.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Add Device

Browse Devices

All Devices

Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	12345	Connected	NodeMCU	Device	Nov 18, 2022 12:52 PM	

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1 Simulation running

