

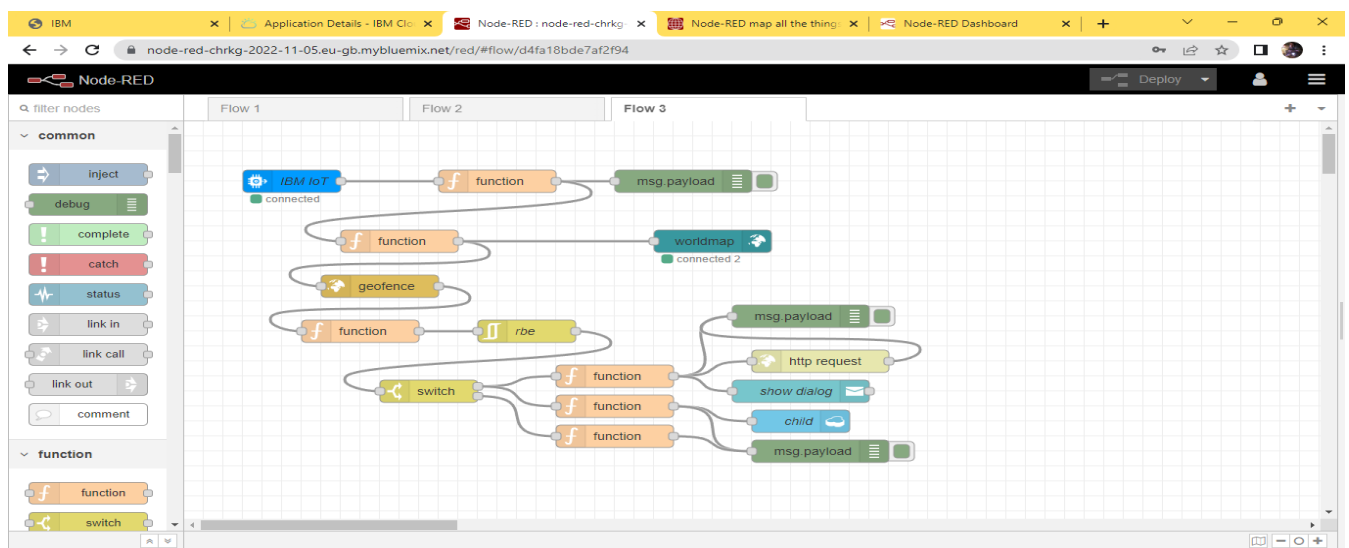
<b>Team ID</b>	PNT2022TMID42442
<b>Project Title</b>	IoT Based Safety Gadget for Child Safety Monitoring and Notification

## Develop The Web Application Using Node-RED

Aim: Develop the web application using Node-RED

Steps Followed:

- Opened a Node-RED project



- Added code to get child location in python

```
import json
```

```
import wiotp.sdk.device
```

```
import time
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "9o069i",
```

```
        "typeId": "manimd",
```

```
        "deviceId": "manimd12"
```

```
    },
```

```
    "auth": {
```

```
        "token": "manimd07"
```

```
    }
```

```
}
```

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

```
client.connect()
```

```
while True:
```

```
    name = "mani"
```

```
    #in area location
```

```
    latitude=11.225894
```

```
    longitude=76.980855
```

```
    #out area location
```

```
    #latitude = 11.226767
```

```
    #longitude = 76.988299
```

```
    mydata = {'name': name, 'lat': latitude, 'lon': longitude}
```

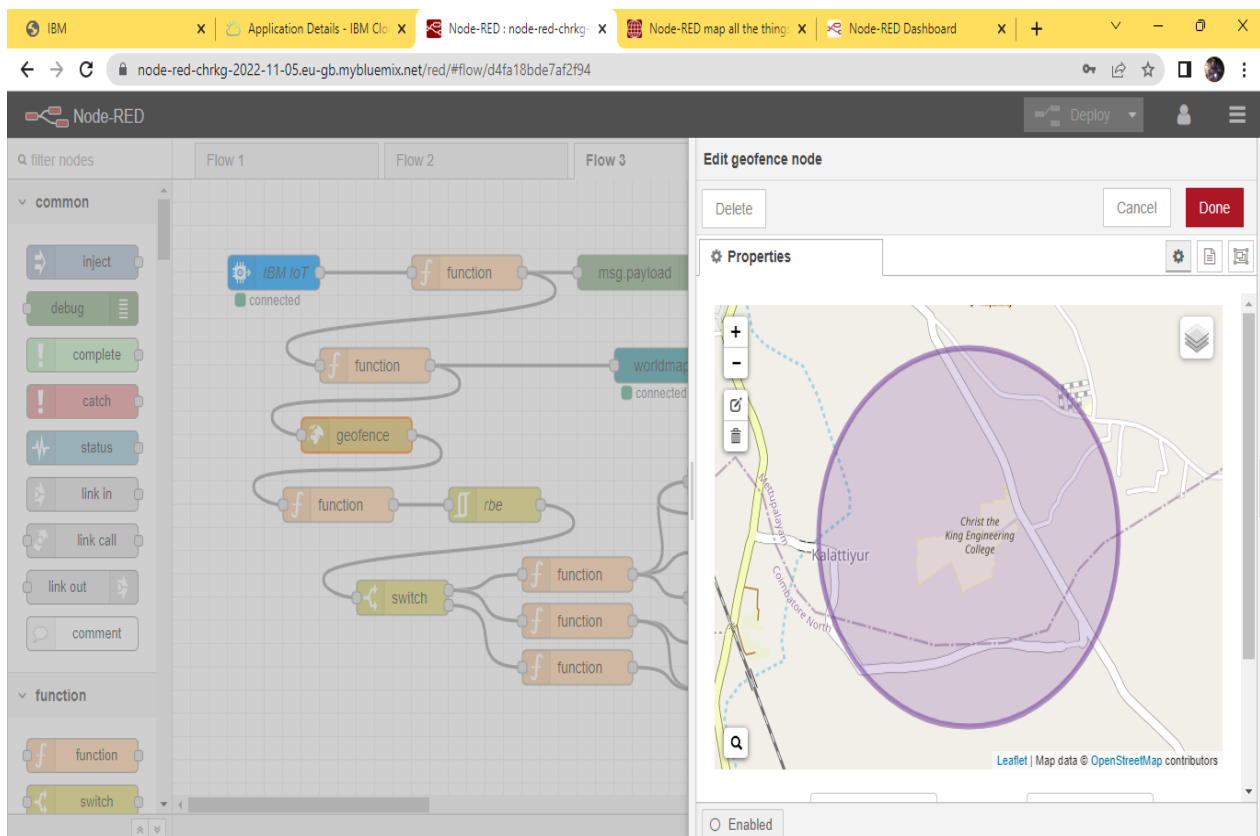
```
    client.publishEvent("Status", "json", data=mydata, qos=0, onPublish=None)
```

```
    print("Data published to IBM IOT platform :", mydata)
```

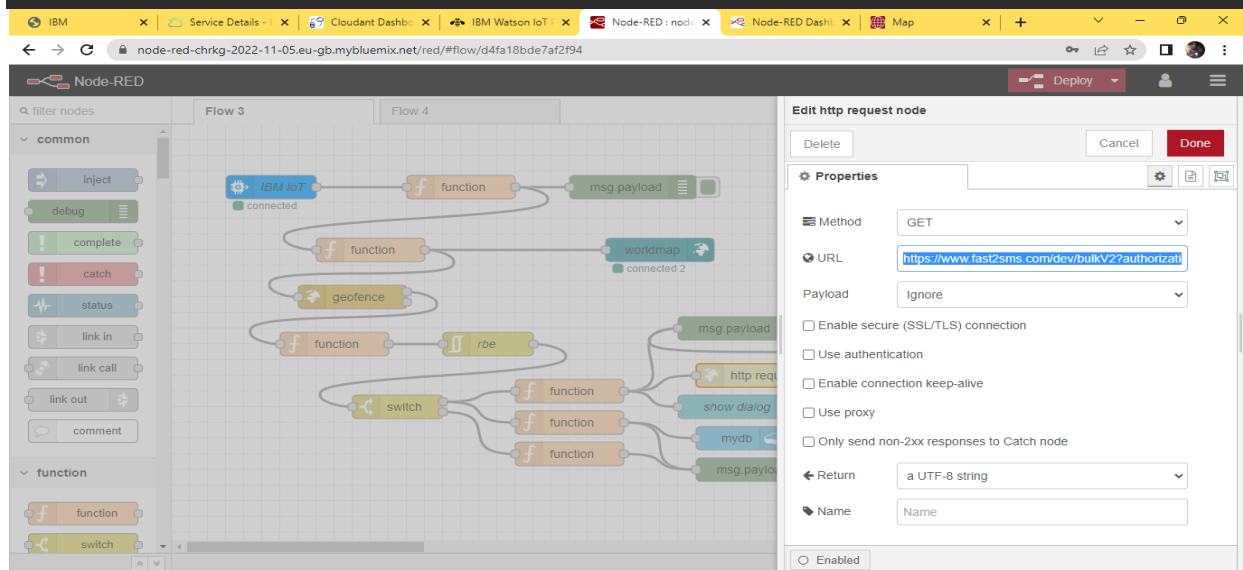
```
    time.sleep(5)
```

```
client.disconnect()
```

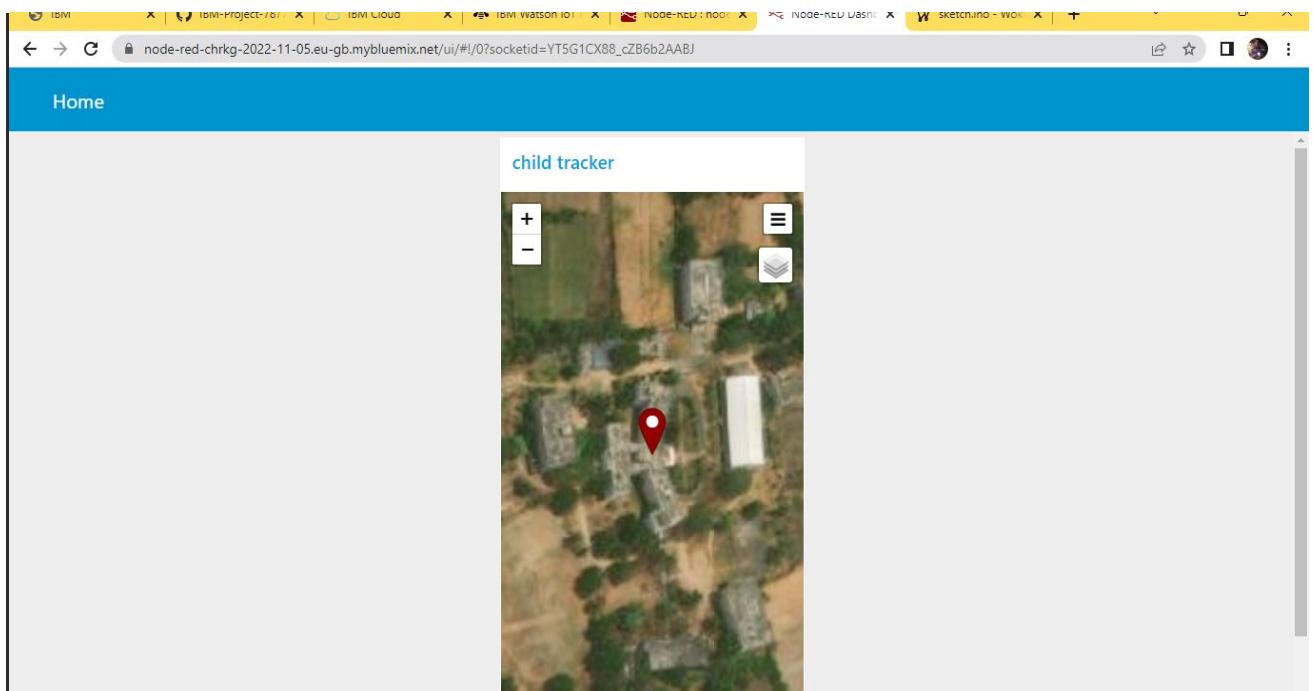
## • Created the GeoFence



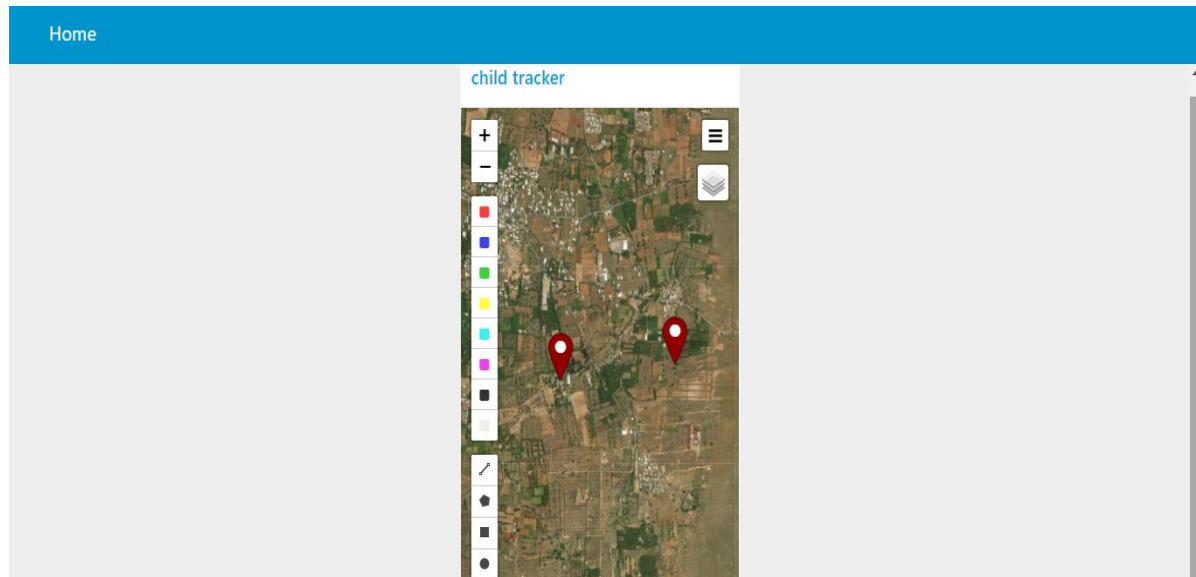
- **Editing the HTTP Request URL**



- **Located the child**



- After running the script, the web UI shows "Person is not in the particular area"



- Result: Successfully developed the web application using Node-RED