**PROJECT DEVELOPMENT PHASE**

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| **Team ID** | **PNT2022TMID36659** |
| **Team Members** | **Team lead: SANDHIYA.R**  **Member2: VISHNU PRIYA.PB**  **Member3: RAMYA.R**  **Member4: SHOBANA.L** |
| **Project Name** | **Project – IOT-Based Safety Gadget for**  **Child Safety Monitoring and Notification** |

**SPRINT-1**

**Source code for GPS Location:**

import phonenumbers

import opencage

import folium

import webbrowser

number = "+916385571249"

from phonenumbers import geocoder # is a function

par\_number = phonenumbers.parse(number)

location = geocoder.description\_for\_number(par\_number, "en")

print(location)

# to see the service provider name

from phonenumbers import carrier

service\_par = phonenumbers.parse(number)

S\_provider= carrier.name\_for\_number(service\_par, "en")

print(S\_provider)

# opencage is for to view the location.

from opencage.geocoder import OpenCageGeocode

key = "7098ec840cb24aa9a5c38cce49fb3b81"

geocoder = OpenCageGeocode(key)

query = str(location)

result = geocoder.geocode(query)

#print(result)

lat = result[0]['geometry']['lat']

lng = result[0]['geometry']['lng']

print(lat, lng)

####

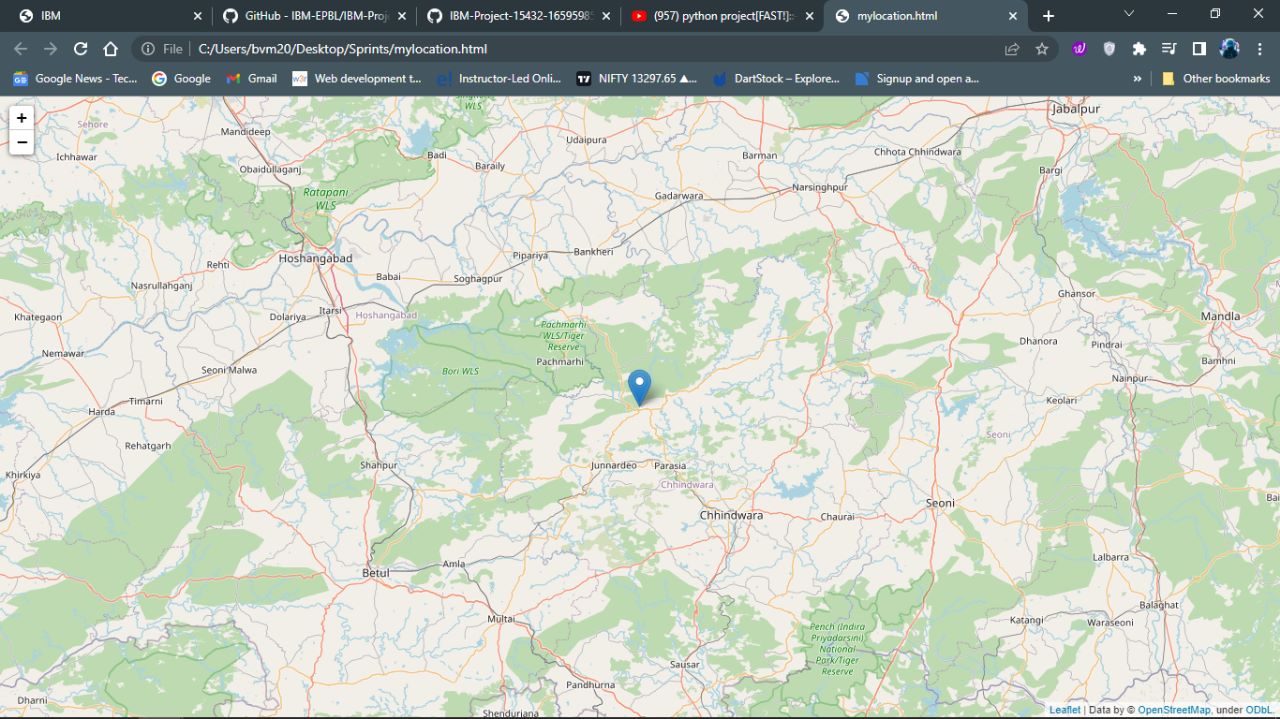
mymap = folium.Map(location=[lat, lng], zoom\_start=9)

folium.Marker([lat, lng], popup=location).add\_to(mymap)

mymap.save("mylocation.html")

webbrowser.open\_new\_tab("mylocation.html")

**OUTPUT:**

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