PROJECT DEVELOPMENT PHASE

SPRINT-1

Team ID	PNT2022TMID36647
Team Members	**Team lead: MUTHYALA RAMAKRISHNA** **Member2: G.SAI KUMAR** **Member3: CHIMMILI BHANU CHANDRA** **Member4: RAYI PAVAN** **Member5: UTUKURU TEJA**
Project Name	**Project – IOT-Based Safety Gadget for Child Safety Monitoring and Notification**

Source code for GPS Location:

```python
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")
```

```python
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")
```