

Project Development Phase

Sprint-1

Date	24 October 22
Team ID	PNT2022TMID38992
Project Name	IoT based safety gadget for child safety monitoring and notification
Team Size	2

Source code for GPS Location Tracker:

```
import json import
pycountry
from tkinter import Tk, Label, Button, Entry
from phone_iso3166.country import phone_country

class Location_Tracker: def
    _init_(self, App):
        self.window = App
        self.window.title("Phone number Tracker")
        self.window.geometry("500x400")
        self.window.configure(bg="#3f5efb")
        self.window.resizable(False, False)

        #_____Application menu_____
        Label(App, text="Enter a phone number",fg="white", font=("Times", 20),
              bg="#3f5efb").place(x=150,y= 30)
        self.phone_number = Entry(App, width=16,
                                   font=("Arial", 15), relief="flat")

        self.track_button    =   Button(App,   text="Track   Country",
                                   bg="#22c1c3", relief="sunken")
        self.country_label = Label(App,fg="white",
```

```

font=("Times", 20), bg="#3f5efb")

#____Place widgets on the window____
self.phone_number.place(x=170, y=120)
self.track_button.place(x=200, y=200)
self.country_label.place(x=100, y=280)

#____Linking button with countries ____
self.track_button.bind("<Button-1>", self.Track_location)
#255757294146

def Track_location(self,event): phone_number =
    self.phone_number.get() country = "Country is
    Unknown"
    if phone_number:
        tracked
        =
pycountry.countries.get(alpha_2=phone_country(phone_number))
    print(tracked)
    if tracked:
        if hasattr(tracked, "official_name"):
            country = tracked.official_name
        else:
            country = tracked.name
    self.country_label.configure(text=country)

PhoneTracker = Thk()
MyApp = Location_Tracker(PhoneTracker)
PhoneTracker.mainloop()

```

Output:

Enter a phone number

222757294146

Track Country

Islamic Republic of Mauritania