Sprint 3

Date	12 November 2022	
Team ID	PNT2022TMID25027	
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification	

Sprint 3 is adding the geofence and changing the geofence when need **Coding**:

```
import android.app.PendingIntent;
package com.example.geofence;
                             import android.content.ContextWrapper;
android.content.Context;
android.content.Intent;
                                       android.widget.Toast;
com.google.android.gms.common.api.ApiException;
com.google.android.gms.location.Geofence;
com.google.android.gms.location.GeofenceStatusCodes;
com.google.android.gms.location.GeofencingRequest;
com.google.android.gms.maps.model.LatLng;
public class GeofenceHelper extends ContextWrapper {
 private static final String TAG = "GeofenceHelper"; PendingIntent pendingIntent;
 public GeofenceHelper(Context base) {
 public GeofencingRequest getGeofencingRequest(Geofence geofence) {
GeofencingRequest.Builder()
        .addGeofence(geofence)
       . setInitial Trigger (Geofencing Request. {\it INITIAL\_TRIGGER\_ENTER})
        .build();
 public Geofence getGeofence(String ID, LatLng latLng, float radius, int transitionTypes) {
Geofence.Builder()
       .setCircularRegion(latLng.latitude, latLng.longitude, radius)
                          .setTransitionTypes(transitionTypes)
       .setLoiteringDelay(5000)
        .setExpirationDuration(Geofence.NEVER_EXPIRE)
 public PendingIntent getPendingIntent() {
                                                if (pendingIntent != null) {
```

```
pendingIntent = PendingIntent.getBroadcast(this, 2607, intent, PendingIntent.FLAG_IMMUTABLE);
  public String getErrorString(Exception e) {
f (e instanceof ApiException) {
     ApiException apiException = (ApiException) e;
(apiException.getStatusCode())
                                return
GeofenceStatusCodes
   return e.getLocalizedMessage();
```

Output: Adding Geofence page 6:46 5 ⊙ • 🏖 🗣 🔛 🛜 😘 all all 🛭 50% Rayar's mess Mylapo N Mada S Kapaleeshwarar Temple (Lord Shiva) Geofence Location Arulmigu Velleeswarar Thirukovil (Sukran... Chitrakulam N St. Sri Adikesava Perumal Peyalvar Temple My Location Mandaveli St W Circular Rd 11th Trust Cross St 12th Trust Cross St. 13th Trust Cross St 14th Trust Cross St 3rd Trust Cross St Rams Fittings & Accessories Pvt Google