GEOFENCE CODE

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Team ID	PNT2022TMID45386
Project Name	Project - IoT based safety gadget for ChildSafety Monitoring and Notification
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CODE:

Package com.example.geofence;

import android.app.PendingIntent; import android.content.Context; import android.content.ContextWrapper; import android.content.Intent; import android.widget.Toast;

import com.google.android.gms.common.api.ApiException; import com.google.android.gms.location.Geofence; import com.google.android.gms.location.GeofenceStatusCodes; import com.google.android.gms.location.GeofencingRequest; import com.google.android.gms.maps.model.LatLng;

public class GeofenceHelper extends ContextWrapper {
 private static final String TAG = "GeofenceHelper";
 PendingIntent pendingIntent;

```
public GeofenceHelper(Context base) {
super(base);
}
public GeofencingRequest getGeofencingRequest(Geofence geofence) {
return new GeofencingRequest.Builder()
.addGeofence(geofence)
. set Initial Trigger (Geofencing Request. INITIAL\_TRIGGER\_ENTE
R) .build();
}
public Geofence getGeofence(String ID, LatLng latLng, float radius, int
transitionTypes) {
return new Geofence.Builder()
.setCircularRegion(latLng.latitude, latLng.longitude, radius)
.setRequestId(ID)
         .setTransitionTypes(transitionTypes)
.setLoiteringDelay(5000)
.setExpirationDuration(Geofence.NEVER_EXPIRE)
.build();
}
 public PendingIntent getPendingIntent() {
if (pendingIntent != null) {
return pendingIntent;
}
Intent intent = new Intent(this, GeofenceBroadcastReceiver.class);
pendingIntent = PendingIntent.getBroadcast(this, 2607, intent,
PendingIntent.FLAG_IMMUTABLE);
return pendingIntent;
}
 public String getErrorString(Exception e) {
if (e instanceof ApiException) {
```