Integration Steps for Native Android Application with Netcore SDK for FCM

(https://github.com/NetcoreSolutions/Smartech-Android-FCM-SDK)

Prerequisites:-

1: Get **google-services.json** file and **FCM Server Key** from **Firebase Developer console**

2: Get **App Id** and **Smartech FCM SDK** from **Smartech Panel**

For FCM Setup in Application: (Avoid if already setup)

1. **Add google-services.json file in app directory of project**

2. **Add below code in dependencies of project build.gradle file**

   classpath **'com.google.gms:google-services:3.0.0'**

3. **Add below code at last line in app build.gradle file**

   apply plugin: **'com.google.gms.google-services'**

For Integrate SDK:

(supported android minsdkversion 15 or more (i.e. next version of ice cream sandwich))

1. **Add below code in dependencies of app build.gradle file** (not in child dependencies)

   compile **"in.netcore.smartechfcm:smartech-fcm:1.0.8"**
   compile **'com.google.firebase:firebase-messaging:11.6.0'**

For Push Notification as well as inbuilt activities:

1. **Paste below code in launcher Activity in method onCreate** (above the super.onCreate.line)

   NetcoreSDK.*register*(getApplication(),"<App ID>", "<identity>");

Note: **Identity** must be **""(blank)** or **Primary key** which defined **on smartech Panel**

For Login Activity add below code for login activity to make user Identified:

   NetcoreSDK.*login*(context, "<*identity>*");

For Logout Activity add below code for logout activity to make user anonymous:

   NetcoreSDK.*logout*(context, "<*identity>*");

For custom Activity tracking add below code for Custom activity:

```
NetcoreSDK.track( context, "<identity>",<eventId>,payload);
```

Note: Activity tracking code get from Smartech panel for each custom activity

For Profile Update, Follow Below code

```
JSONObject newProfile = new JSONObject();
try {
  newProfile.put( "NAME", "Developer" );
  newProfile.put( "AGE", 25 );
  newProfile.put( "MOBILE", "1234567890" );
  NetcoreSDK.profile(this, "<identity>", newprofile);
}
catch ( JSONException e ) {
  e.printStackTrace();
}
```

Note: **attribute name** must be in **Capital**.

To set custom push notification icon add below code in Launching Activity:

```
NetcoreSDK.setPushIcon( context, "<path to drawable icon>");
```

```
e.g. NetcoreSDK.setPushIcon(getApplicationContext(), R.mipmap.ic_launcher)
```

Note: The notification icon should be strictly in **.png format** as per **Google's guidelines** & **Preferable size for push notification icons** is mentioned below:

```
drawable-mdpi :- 24 x 24
drawable-hdpi :- 36 x 36
drawable-xhdpi :- 48 x 48
drawable-xxhdpi :- 72 x 72
drawable-xxxhdpi :- 96 x 96
```

To fetch delivered push notifications add below code in activity:

```
JSONArray jsonNotification = NetcoreSDK.getNotifications(context);
```

Note: The method will return a JSONArray of push notifications delievered