

Android Development Syllabus

By
GharSeCode (GSC)

Course Title: Android App Development

Course By: GSC (Ghar Se Code)

Duration: 3 Hrs

Code Spirit: Crafting Experiences, One App at a Time

Topics	Detailed Overview
Introduction to Android	Overview of Android, History, Android Architecture, Android SDK, Android Studio Setup
Android Components	Activities, Services, Broadcast Receivers, Content Providers
User Interface	Layouts, Views, Buttons, TextView, EditText, RecyclerView, ConstraintLayout
Activity Lifecycle	Understanding Activity Lifecycle Methods, onCreate, onStart, onResume, etc.
Intents and Navigation	Explicit and Implicit Intents, Navigating Between Activities
Fragments	Introduction to Fragments, Fragment Lifecycle, Communication Between Fragments
Data Storage	SharedPreferences, Internal Storage, External Storage, SQLite Database
Networking	HTTP Requests, APIs, Retrofit Library, JSON Parsing
Permissions	Declaring Permissions, Runtime Permissions
Multimedia	Playing Audio and Video, Camera Access
Firebase Integration	Firebase Authentication, Realtime Database, Cloud Firestore
Publishing the App	Preparing APK, App Signing, Uploading to Google Play Store