



Ph: 80 807 86 228/86 920 86 228

training@appeteria.com

www.appeteria.com

Schedule - Android App Development (Professional)

Session #	Title	Details
Session 1	Introduction to Android	History of Android and Android Versions, API Levels and Devices, Installation & configuration of Android Development Tools
Session 2-3	Application Structure (In Detail)	Android application framework, Security Sand box, Sharing Content between to apps, Building Your First App, Supporting Different Devices, Interacting with other Apps
Session 4	Android Application Development Emulator-AVD	Developing, debugging your first Application Launching emulator-Android virtual Device ,Introduction to ADM, Functions of Logcat
Session 5	Introduction to IDE	Project Folder Structure, Resources in Android Project, Understanding Project Configuration file
Session 6	Application Building Blocks	Activities, Services, Content Providers, Broadcast receivers, Activity Life Cycle, Service Working, Service Life Cycle
Session 7-9	Working with Intents	Introduction to Intent, Working with Intents, Explicit Intent, Implicit Intent, Intent for result
Session 10	Application Design considerations	Screen size, Screen density, Orientation, Resolution, Density-independent pixel (dp)
Session 11-12	UI Elements	Views, Layouts (Frame Layout , Linear Layout , Table Layout , Relative Layout , Absolute Layout)
Session 13-14	Notifications	Toast Notification, Dialogs (Alert Dialog, Progress Dialog), Status bar Notification, Snack Bar
Session 15-17	Menus, Linkify	Options Menu, Context Menu, Sub menu, Popup Menu, Action Bar Menu, Linkify Examples: Web URLs, Email address, text, map address, phone numbers
Session 18-19	Adapters and Widgets	Array Adapters , Base Adapters, Custom Adapters, List View
Session 20-21	Threads	Threads running on UI thread, Worker thread, Handlers, Runnable, AsyncTask
Session 22	Effects	Basic UI design using XML, Introduction to Animations
Session 23-27	Data Storage	Shared Preferences, Internal Storage, External Storage, SQLite
Session 28-31	Networking	Working with WebView, Consume Web api (RESTful)
Session 32-33	Location	Introduction to LocationManager
Session 34-38	Firebase	Realtime Database (Store and Sync data on Server), Authentication (Login, Sign Up, Forget Password), Cloud Messaging (Push Notifications)
Session 39-44	Firebase	Cloud File Storage (Store Files on Server), Dynamic Links, Firebase Invites
Session 45-48	Monetize & Publish App	How to put Ad mob (ads) in app, How to Publish and Maintain App on Google Play Store
	Training Hrs	48
	Assignment Hrs	12
	Total Hrs	60

Hands On Projects:

Music Player, Video Player, CRUD Operations on SQLite, App to get current whether details of any city (using Web API), Caller ID demo app (using Broadcast Receiver) and Cloud Based Notes App many more