

Android Course Syllabus

80% Practical training & 20% Theory

Experts Available 24x7 for your queries

25 to 35 Hrs. of training

Trainer Profile

Our Trainers provide complete freedom to the students, to explore the subject and learn based on real-time examples. Our trainers help the candidates in completing their projects and even prepare them for interview questions and answers. Candidates are free to ask any questions at any time.

- More than **7+ Years** of Experience
- Expert level Subject Knowledge and fully up-to-date on real-world industry applications
- Trainers have experienced on multiple real-time projects in their Industries

Learn how to use Android from beginner level to advanced techniques which is taught by experienced working professionals. With our Android Training you'll learn concepts in expert level with practical manner.

MODULE 1: JAVA Concepts

- OOPs Concepts
- Inheritance in detail
- Exception handling
- Packages & interfaces
- JVM & .jar file extension
- Multithreading (Thread class & Runnable Interface)

MODULE 2: SQL

- DML & DDL Queries in brief

MODULE 3: Introduction to Android

- What is Android?
- Setting up development environment
- Dalvik Virtual Machine & .apk file extension

Fundamentals

- a. Basic Building blocks – Activities, Services, Broadcast Receivers & Content providers
- b. UI Components – Views & notifications
- c. Components for communication - Intents & Intent Filters
- Android API levels (versions & version names)

MODULE 4: Application Structure (in detail)

- AndroidManifest.xml
- uses-permission & uses-sdk
- Resources & R.java
- Assets
- Layouts & Drawable Resources
- Activities and Activity lifecycle
- First sample Application

MODULE 5: Emulator-Android Virtual Device

- Launching emulator
- Editing emulator settings
- Emulator shortcuts
- Logcat usage
- Introduction to DDMS

- Second App:- (switching between activities)
- Develop an app for demonstrating the communication between Intents

MODULE 6: Basic UI design

- Form widgets
- Text Fields
- Layouts
- [dip, dp, sip, sp] versus px
- Examples

MODULE 7: Preferences

- SharedPreferences
- Examples

MODULE 8: Menu

- Option menu
- Context menu
- Sub menu
- menu from xml
- menu via code
- Examples

MODULE 9: Intents (in detail)

- Explicit Intents
- Implicit intents
- Examples

MODULE 10: UI design

- Material Design
- Time and Date
- Images and media
- Composite
- AlertDialogs & Toast
- Popup
- Examples

MODULE 11: Tabs and Tab Activity

- Examples

MODULE 12: SQLite Concepts

- SQLite Programming
- SQLiteOpenHelper
- SQLiteDatabase
- Cursor
- Reading bookmarks
- Example
 - Develop an App to demonstrate database usage. CRUD operations must be implemented.

Final details should be viewed in GridView as well as in ListView.

MODULE 13: Android Debug Bridge (adb) tool

MODULE 14: Adapters and Widgets

Adapters:-

- a.ArrayAdapters
- b.BaseAdapters
- ListView and ListActivity
- Custom listview
- GridView using adapters
- Gallery using adapters
- Examples

MODULE 15: Threads

- Threads running on UI thread (runOnUiThread)
- Worker thread
- Handlers & Runnable
- AsyncTask (in detail)
- Examples
- Live Folders
- Using sdcards
- XML Parsing
- JSON Parsing
- Maps, GPS, Location-based Services

Our Branches

Chennai Locations

Velachery
Tambaram
OMR
Porur
Anna Nagar
T.Nagar
Thiruvanmiyur
Siruseri
Maraimalai Nagar

Bangalore Locations

BTM Layout
Marathahalli
Rajaji Nagar
Jaya Nagar
Kalyan Nagar
Electronic City
Indira Nagar
HSR Layout
Hebbal

Follow Us

