

Android

Android is a Linux based operating system developed by Google mainly for smart phones and tablets. Due to the powerful features of Android, it is now used for developing apps in television, digital cameras and other electronic devices. Android is the most popular mobile app development platform used by more than 71% of the smart phone app developers. Android is used in more than 1 billion mobile devices. Due to the immense reach of Android, there is a high demand for Android Programmers. **Android Training in Chennai** will provide in-depth knowledge on Android App development using JAVA.

If you are a student looking for a lucrative career in IT industry or someone who wants to start your own Android Development company, call now at 81908-00022

High-level Android Training Syllabus:

Android and JAVA Basics:

1. History of Android
2. Introduction to Android OS
3. What is Android?
4. Android Versioning
5. Android Development Tools
6. Android Architecture
7. Practical Installation of Android SDK, Eclipse and ADT Plug-in
8. Structure of Android Project
9. OOPS Concepts
 - > Data Abstraction
 - > Encapsulation
 - > Inheritance
 - > Polymorphism
10. Core Java Concepts

Android Programming:

11. Introduction to android components / Building Blocks
 - > Activities
 - > Services
 - > Content providers
 - > Broadcast receivers
12. Activity Life cycle
 - > Understanding the Life cycle methods
 - > Working example of life cycle

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13. Application development (Hello world)
 - > Creating first android application
 - > Debugging an Application
 - > Understanding DDMS
 - > DDMS and log results
14. User Interface
 - > Button and CheckBox
 - > Progres Bar and SeekBar
 - > TextView and EditText
 - > Dialogs
 - > Notifications
 - > Views(Gridview, ListView, ImageView)
15. Understanding an android application structure
 - > Understanding the XML layout files structure
 - > Values XML files
 - > Understanding the LDPI , MDPI , HDPI
16. Working with Layouts techniques
 - > Linear Layout
 - > Relative Layout
 - > Table Layout
 - > Frame Layout
 - > What is layout in Android ?
 - > Design Layout Using XML for UI layout
17. Intents understanding
 - > Implicit intents
 - > Explicit Intent
 - > Launching native application using Intent
 - > Switch between activities using Explicit Intent
 - > Data transferring between activities using Intents
 - > Role of intent Filters
 - > Intent Filters in your manifest
18. Data Storage & Permissions
 - > Content providers , preferences
 - > SQLite – Database Usage
 - > Data storage using the preferences
 - > Updating the Data using the preference
 - > Database Operations
 - > Permission Systems
19. Services
 - > Lifecycle

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- > Bound Services
- > Notifications
- > Running in Foreground
- 20. Broadcast Receivers
- > Broadcast Receivers
- > Lifecycle
- > Permissions

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