

Android

CAC Noida is an ISO 9001:2015 certified training center with professional experience that dates back to 2005. The vision is to provide professional education merging corporate culture globally to the youth through technology resourcing and knowledge consulting with emerging technologies. Quality assurance parameters for each stage of training and development are ensured at all levels. The operating office is solely based Noida (U.P) India.

CAC Noida is the well-known Android training center in Noida with high tech infrastructure and friendly environment. We provide hands on practical knowledge and full job assistance with basic as well as advanced level

CAC Noida is one of the best Android training institute in Noida with 100% placement record. CAC Noida has well defined courses and modules with training sessions for developers. At CAC Noida, Android training is conducted by specialist Trainers having experience of more than 10+ years.

CAC Noida is well-equipped Android training center in Noida and we offer job oriented Android training program keeping an eye on industry requirements and future prospects. Each and every one who is part of “CAC Noida” is important to us. Every student has the freedom to discuss and learn. We always take care that right student choose right course.

Android is the one of high in demand course today and CAC Noida provides practical exposure to all the concepts, contents are well-structured to meet the industry requirements.

We are confident that Android training we deliver is at a fantastic standard and are constantly striving to improve and become even better. We believe that Android training should be well planned, well prepared, fit for purpose and delivered by trainers who are motivational and inspirational, trainers who can make learning interesting and will make a difference to your people and your organization.
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
13. Application development (Hello world)
 - Creating first android application
 - Debugging an Application
 - Understanding DDMS
 - DDMS and log results
14. User Interface
 - Button and Checkbox
 - Progress Bar and Seek Bar
 - Text View and Edit Text
 - Dialogs
 - Notifications
 - Views(Grid View, List View, Image View)
 - Fragments
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
 - Bound Services
 - Notifications
 - Running in Foreground

20. Broadcast Receivers

- Broadcast Receivers
- Lifecycle
- Permissions

21. Multimedia in Android

- Multimedia Supported audio formats
- Simple media playback (Audio/Video)

22. Location Based Services and Google Maps

- Using Location Based Services
- Working with Google Maps

23. Web Services and WebView

- Understanding HTTP request response model
- Consuming web services
- Receiving HTTP Response (XML, JSON)
- Parsing JSON and XML
- Using Web View

24. Sensors

- Understanding How Sensors work Using (Orientation and Accelerometer sensors)

25. WiFi

- Monitoring and managing Internet connectivity
- Managing active connections
- Managing Wi-Fi networks

26. Telephony Services

- making calls
- sending sms, email, mms

27. Camera

- Taking pictures and saving it
- Making videos and saving it

28. Bluetooth

- Working with Bluetooth
- Managing active Bluetooth connections
- connecting with peers

29. Concept understanding of AsyncTask (multithreading) & Push Notifications

Including Project on Android Development

Android Application Deployment

Android Application Deployment on device with Linux and Windows

Android Application Deployment on Android Market

Course duration: 40 hours



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