



+ 91 9895490866



join@nestsoft.com, Infopark, Kerala.

Syllabus - Android Training

Features

- To learn the fundamentals of android programming.
- To review the android software and middleware performance.
- To know the options of Eclipse IDE
- To urge a deeper understanding of android app development options.
- To develop user interfaces exploitation android development parts.
- To develop applications with animations and graphics.
- To create database intensive applications using SQLite database.
- To develop apps for reading phone and SIM card details, causing SMS and creating calls.
- To develop totally different applications using Google Maps to find a specific location
- To make applications to access information from different applications using internet services.
- Play audio and video files on a mobile device using multimedia

Syllabus

Section 1 : Refreshing Java

- Introduction to Java
- OOPs ideas
- Abstract class and interface
- Exception handling
- Multi-threading (thread class and executable interface) Android

Section 2 : Introduction to Android

- Why Android?
- Android Runtime
- Android Studio
- Introduction to Gradle

Section 3 : Fundamentals

- Basic Building Blocks - Activities, Services, Broadcast Receivers, Content Providers
- UI Components — Views and Notifications
- Communication Elements - Intents and Intent Filters
- Android API levels (versions and version names)

Section 4 : Application structure

- AndroidManifest.xml
- Licensing
- Activity / Services / Receiver Announcements
- Resources and R.java
- Layouts

Section 5 : The emulator

- Launching the emulator
- Editing Emulator Settings
- Emulator Shortcuts
- The use of logcat
- Introduction to Android Device Monitor (ADM)
- File Explorer/Intents

Section 6 : Basic UI design, styles and themes

- Outline widgets
- Text fields
- Layouts
- Themes are applied through the code and manifest file
- Alert Dialogs

Section 7 : Menu

- Option Menu and Action Bar (Menu on Action Bar)
- Context Menu and Contextual Action Mode
- Popup menu
- menu from xml
- Menu by code
- Link
- Matchfilter and Transform Filter

Section 8 : Adapters

- ArrayAdapter

- Base Adapters
- Listview, List Activity
- Custom Listview
- GridView with adapters
- Gallery using adapters
- Android Session and Session Management

Section 9 : Content Providers

- SQL
- DML and DDL Queries in Brief
- SQLiteDatabase
- SQLiteOpenHelper
- Cursor
- SQLite Programming
- Reading and updating contacts
- Android Debug Bridge (adb) tool
- Broadcast Receivers
- Services

Section 10 : Notifications

- Alarm
- Via service

Section 11 : Customize

- Toast
- Dialogues
- Tabs
- Animated popup panels
- Grid view
- Spinner
- Thread.
- AsyncTask
- XML Parsing
- Android JSON Parsing with Vol
- REST API for Android application using PHP
- Mysql
- Accessing Phone Services (Call & SMS)

Section 12 : Fragments

- Introduction to fragments

- Fragments life cycle
- Fragments in action
- Google Maps V2 using Fragments
- Develop Fragment Based UI Designs (Fragment Tabs, Listview, etc)
- Location based services
- GPS
- Geocoding
- Network connectivity services
- Sensors (accelerometer, gyroscope)
- Using WiFi

Training Fees / Duration (Rs. 2,500/- Onwards)

- Internship for BTech, MTech, MCA, BCA, Bsc, B.Com, M.Com, MBA Students
- Duration: 1 Week to 6 Months
- Internship Training on real projects
- Training / Internship by Experienced Professionals
- Online / Live / Direct Classes

Eligibility For Android Training

- Plus two/Degree/Diploma/Professional
- Passion on programming languages
- Basic programming knowledge such as C, C++

Our Unique Features

- Training by 3 to 18+ Years of Industry Experts
- 500+ More Projects / Clients
- 1000+ Success Stories
- Placement Assistance with our own Job Portal (jobsNEAR.in)
- Advanced level Training
- Individual Attention
- #1 Online Live Training in Kerala, Since 2001
- Completed 500+ Seminars
- Completed Seminar 25000+ Students
- Internship on Real Time Projects
- Kerala's first online live training institute

