



ANDROID SYLLABUS



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Easy way to IT JOB
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Top-Grade Curricular to get Top-Notch Skills

Android Course Syllabus

SLA is one of its kind Institute which not only equips you in technology skills but will train you for free in Aptitude skills, Soft Skills, Mock Interviews, Interview Skills, Work ethics and Corporate Values that you need to know to get into IT Industry. Our training is given by expert real time development experienced trainers and we enable each and every student of ours to do their own real time projects by the end of the program.

We do not buy you a job by bribing companies to secure a place in IT, instead we equip you with the skills needed to get employed in IT and will support you with unlimited number of relevant interview opportunities so that your career in IT becomes assured. Our support will be there until you get placed in an IT Company as that's our mission too.

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JAVA Concepts

- ❖ Introduction to java
- ❖ Installation of Eclipse IDE
- ❖ Data types
- ❖ Variables
- ❖ Control Statements
- ❖ Strings
- ❖ Arrays
- ❖ Functions
- ❖ Class and Objects
- ❖ Constructor
- ❖ Inheritance
- ❖ Overloading & Overriding

Android

- ❖ What is Android?
- ❖ Setting up development environment
- ❖ Dalvik Virtual Machine & .apk file extension
- ❖ Android API levels (versions & version names)
- ❖ Activities and Activity lifecycle
- ❖ First sample Application

Android Application Structure

- ❖ AndroidManifest.xml
- ❖ uses-permission & uses-sdk
- ❖ Resources & R.java
- ❖ Assets
- ❖ Layouts & Drawable Resources

Emulator-Android Virtual Device

- ❖ Launching emulator
- ❖ Editing emulator settings
- ❖ Emulator shortcuts
- ❖ Logcat usage

Android Widgets

- ❖ UI Widgets
- ❖ Working with Buttons
- ❖ Toggle Button
- ❖ CheckBox and Custom CheckBox
- ❖ ListView and Custom ListView
- ❖ DatePicker
- ❖ TimePicker
- ❖ Vertical and Horizontal scrollView
- ❖ SearchView and SearchView on Toolbar



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Android Menu

- ❖ Option Menu
- ❖ Context Menu
- ❖ Popup Menu

Android Telephony

- ❖ Phone call
- ❖ Send SMS
- ❖ Send Email

Android Device

- ❖ Bluetooth
- ❖ WIFI
- ❖ Camera
- ❖ Sensor

Multimedia Programming

- ❖ Multimedia audio formats - Creating and Playing
- ❖ Kill / Releasing (Memory Management)
- ❖ How to associate audio in any application
- ❖ How to associate video playback with an event

Database - SQLite

- ❖ IntroducingSQLite
- ❖ SQLiteOpenHelper and creating a database
- ❖ Opening and closing a database
- ❖ Working with cursors Inserts, updates, and deletes

Location Based Services and Google Maps

- ❖ Using Location Based Services
- ❖ Working with Google Maps

Notifications

- ❖ Notification Manager
- ❖ Pending Intent
- ❖ Notifications (Show and Cancel)

How to develop a Web browser

- ❖ How to use WebView object in XML
- ❖ Permission for using the Internet
- ❖ Methods for associated with 'Go', 'Back', 'Forward' etc.

Testing and Debugging Android Application

- ❖ Role and Use of Dalvik Debug Monitor Server (DDMS)
- ❖ How to debug android application
- ❖ Use of Step Filters, Breakpoints, Suspend and Resume
- ❖ How to use LogCat (Verbose, Debug, Info, Warn, Error, Assert)
- ❖ Use of Perspectives

Installation of .apk

- ❖ How to install .apk into your Android Mobile.

Are you happy with our course curriculum? Then why you delay? Take your mobile phone and ring us quickly on +91 88707 67784.