

Bangalore Computer Education,

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ANDROID Syllabus for Industrial Trainings

1- Introduction to Android

- What is Android
- About Open Source
- Java Me to Android
- About Smart Phone Environment

2 - Android SDK

- What is Android SDK
- Development Framework
- Android NDK
- Android Emulator

3 - Android Architecture

- Android Applications
- Android Application Framework
- Android Libraries
- Core Libraries
- Dalvik Virtual Machine
- Linux Kernel

4 - Managing Virtual Devices

- Managing and Creating new Virtual Devices
- Managing AVD Manager
- Using Android Emulator
- Using Real Android Device

6 - Activity Main Components

- Activities
- Services
- Content Providers
- Broadcast Receivers
- Intents
- Notifications
- Manifest File

5 - Getting Started

- Setting Development development
- Creating your First Activity
- Setting up Launch Configuration
- Running and Debugging Application
- Understanding the Hello World program

8 - Activities

- Activity Life Cycle
- Handling multiple activities
- Data sharing between activities

7 - Creating User Interfaces

- Android UI Design
- Introducing Views
- Introducing Layouts

9 - Controls Programming

- Button, TextEdit, CheckBox
- Radio Button, ListView, Menus

10 - Advanced UI

- Styles and themes
- Multiple screen support

11 - Content Providers

- Structured Database operations
- Preference from resource Programming
- Shared preference Programming

12 - Services

- Creating background services
- Services with multiple threading
- Notify with text

14 - Notifications

- Creating Notification

13 - Multithreading

- Threading Concept
- Multiple threading
- Cross threading operations

15 - Broadcast Receivers

- Send and Receive Broadcast Receivers