

# SUMMER TRAINING PROGRAM 2013

(Android)

**Introduced By:**



**In Association with:**



YD Tech Sourcing Pvt. Ltd.

**Contact Us:**

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## Summer Training Program 2013

- ❖ **Course Name:** Android
- ❖ **Course Duration:** 15 Days, 25/30 hrs
- ❖ **Course Fee:** INR 5900 (Including Taxes)
- ❖ **Course Certification:** Certified by Matbotrix Technologies (Regd.) & YD Tech Sourcing Pvt. Ltd.
- ❖ **Course Level:** Beginner Level
- ❖ **Study Material:** Books & CDs free to each participant
- ❖ **Group discount:** Up to 15%
- ❖ **Website:** <http://www.matbotrix.com>

### **Course Content:**

#### **Android Overview and History**

- How it all got started
- Why Android is different (and important)

#### **Android Stack**

- Overview of the stack
- Linux kernel
- Native libraries
- Dalvik
- App framework
- Apps

#### **SDK Overview**

- Platforms
- Tools
- Versions

#### **Hello World App**

- Creating your first project
- The manifest file
- Layout resource
- Running your app on Emulator

### **Main Building Blocks**

- Activities
- Activity lifecycle
- Intents
- Services
- Content Providers
- Broadcast Receivers

### **Basic Android User Interface**

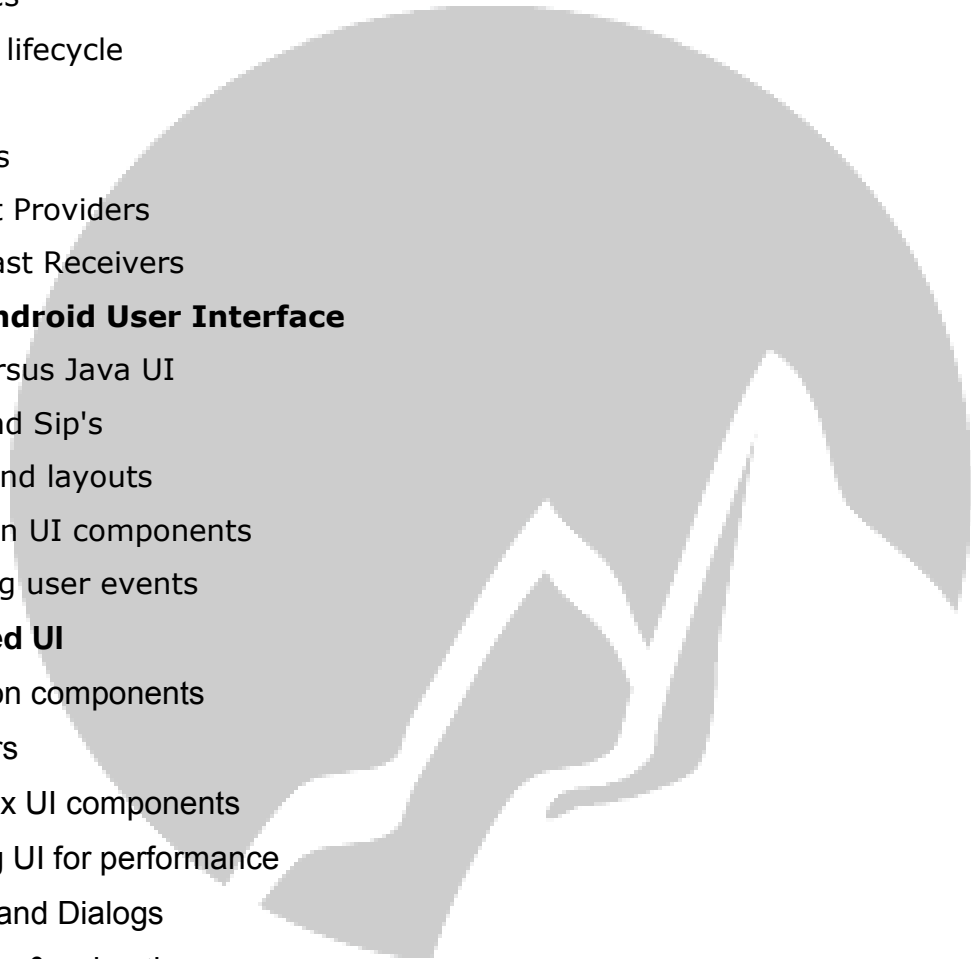
- XML versus Java UI
- Dip's and Sip's
- Views and layouts
- Common UI components
- Handling user events

### **Advanced UI**

- Selection components
- Adapters
- Complex UI components
- Building UI for performance
- Menus and Dialogs
- Graphics & animations

### **Multimedia in Android**

- Multimedia Supported audio formats
- Simple media playback
- Supported video formats
- Simple video playback



## **Basic Content Providers**

- Content provider MIME types
- Searching for content
- Adding, changing, and removing content
- Working with content files

## **Building a complete Android Application:**

- This session will focus on building a fully functional Android application that uses what we have learnt so far.
- Android Marketplace Basics
- Getting Your application ready for publishing in Android Marketplace

## **Industry Interface Program**

### **Projects**

- Assignments / Mini Projects
- 1 Major Project

### **Domains / Industry**

- Mobile Application Development
- Online
- Web based
- Telecom Industry