



C6 -14-2:3 CIDCO Colony, Bldg. No. 14, 2nd floor, Between Abhyudaya bank & Bhatia School,  
above Pragati Computers, New Panvel, Navi Mumbai, Maharashtra 410206  
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## Android Application Development (Basic) Training Workshop

**Course Duration:** Two Days (10 am to 5 pm)

**Course Fee:** Rs. 3,500/- (+ Tax)

### Course Outline:

- **Introduction**
  - History of Android
  - Features of Android
- **Android Architecture**
- **Android SDK**
  - Setting up the SDK
  - AVD Manager
  - Working with the emulator
- **Application Fundamentals**
- **Application Components**
  - Activities
  - Services
  - Broadcast Receivers
  - Content Providers
- **How to run and Debug Android Application**
- **Logging messages to log cat**
- **Using Android Debug Bridge (adb) and the Dalvik Debug Monitoring System (DDMS).**
- **Application lifecycle**
- **Intents accessing resources within Project APK file**
- **Themes & Styles**

- **Building User Interface**
  - Android built-in layouts
  - Relative
  - Absolute
  - Table
  - Linear
  - Frame
  - Android built-in Views
  - Event handling
  - Using Basic Widgets
    - \* Labels
    - \* Button
    - \* Images
    - \* Check Box View
    - \* Edit View
    - \* Radio and Check buttons
  - Embedding the Web Kit Browser
- **Create Menu & handle user action**
- **Create context menu & handle user action**
- **Create submenu & handle user action**
- **Broadcast Receivers, Services**
  - What are Broadcast Receivers
  - Implementing broadcast receiver
  - System broadcasts and how to use them
- **Notification, Alarm and Toasts.**
- **Android Security Model**
  - Overview of Android security architecture
  - Signing application packages
  - User IDs and access control
  - Using, declaring and enforcing permissions
- **Sending and Receiving SMS, email**

- **Handling Telephone Calls**
  - Status
  - Making a call
  - Using the Phone API
- **Working with Content Providers**
  - Accessing phone contacts and updating them
  - Adding, deleting, update data to Phone contacts and display them
- **Persistent storage in Android**
  - Shared Preferences
  - Internal Storage
  - External Storage
- **Android Media API**
  - Playing audio/video
- **Using Camera, video capture**
- **Location, GPS & Maps**
  - Receiving the latitude and longitude of current location
  - Where am I
  - Location Manager
  - Integrate with Google Map
- **Loading Applications on Android Phone / Tablet**

### **Advantages of Levana Technologies**

- 100% Practical Oriented Workshops
- Industry Experienced Faculty
- Value for Money, Choose Modules of Your Choice
- Technical Support Even After Training

### **Levana Technologies conducts following workshops for Android Training**

- Java Programming for Android Development - Two full days
- Android Application Development - Basic - Two full days
- Android Application Development - Advanced - Two full days
- Embedded Android & Android Internals - Two full days
- Android Testing - One full day

## Other Fast Track Training Workshops conducted by Levana Technologies

- Integrated Linux Internals and Advanced Programming Training Workshop
- Embedded Linux and Device Driver Programming Training Workshop
- UNIX / Linux Shell Scripting with sed and awk Training Workshop
- Learn Japanese Language

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At convenient travelling distance from Mumbai Central & Pune City.

**For more details visit our website at <http://www.levanatech.com>**