



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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Website: <http://www.levanatech.com>

## Android Application Development (Advanced) Training Workshop

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

**Course Fee:** Rs. 4000/- (+ Tax)

### Course Outline:

- **SQLite DB**
  - Introducing SQLite
  - SQLite Open Helper and creating a database
  - Opening and closing database
  - Working with cursors Inserts, updates, and deletes
- **Lists & Adapters**
- **Creating a Service**
  - Service life cycle
  - Implementing a Service
  - Invoking a Service
  - Connecting to a Service
  - Starting & stopping service
- **2D Graphics**
- **3D OpenGL**
- **Drawing Graphics**
  - Overview of the graphics subsystem
  - Essential components of the 2D library: Canvases, Paints and Shades.
  - Using the 2D graphics library
  - Creating 3D animations using rotation and translation.
  - When and how to use a separate thread for high performance graphics.

- **Animation**
- **Communication :- Wi-Fi, Bluetooth, EDGE, 3G**
  - Wi-Fi
  - Monitoring and managing Internet connectivity
  - Managing active connections
  - Managing Wi-Fi
  - Bluetooth
  - Controlling local Bluetooth device
  - Discovering and bonding with Bluetooth devices
  - Managing Bluetooth connections
  - Communicating with Bluetooth

#### **Working with sensors**

- GPS
- Accelerometer
- Gyroscope
- Light
- Orientation
- Magnetometer
- Pressure
- Proximity
- Temperature
- **Communicating via the Internet**
  - HTTP
  - Parsing Responses
  - Email
  - Networking
- **Threading**
  - The use of threading in Android. The UI thread and guidance on when to spawn Separate threads.
  - Android's Looper, A sync and Handler classes.
  - How to manage worker threads from component lifecycle methods.
- **Best Design Guidelines for Android Development**

- **Signing and Publishing Your Application**
  - Attaching an End User License Agreement.
  - Creating and attaching an icon and label.
  - Versioning your application.
  - Obtaining a Signing Certificate and API key.
  - Signing the application.
  - Publishing in the Android market / Google Play

### **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

**Contact:** Pratik

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At convenient travelling distance from Mumbai Central & Pune City.

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