



C6 -14-2:3 CIDCO Colony, Sector 18, Bldg. No. 14, 2nd floor, Between Abhyudaya bank & Bhatia School, above Pragati Computers, New Panvel, Navi Mumbai, Maharashtra 410206

Contact No. 9869210326, 9320224606, 022-27464220 Email : info@levanatech.com

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

Android Application Development (Advanced) Training Workshop

Course Duration: Three Days (10 am to 5 pm)

Course Fee: Rs. 6000/- (+ 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>