

Expert Android Application Development

Course Outline

1. Adaptive Design & Material Design
 - Getting Started
 - Using Material Theme
 - Creating Lists and cards
 - Defining Shadows and Clipping Views
 - Working with Drawables
 - Defining Custom Animation
 - Defining Custom Animation
 - Maintaining Compatibility

2. Android 2D Animation
 - Frame by Frame Animation
 - Layout Animation
 - View Animation
 - Property Animation

3. Touch Screens, Gestures & Drag and Drop
 - Understanding Motion Events
 - Single Touch Events
 - Velocity Tracker
 - Multi Touch Events
 - Gestures
 - Drag and Drop Implementation

4. Home Screen Widgets
 - Understanding Widget Configuration
 - Lifecycle of Widget
 - Implementing a Widget.

5. Google Cloud Messaging(GCM) With Android

- What is Google Cloud Messaging
- Key Building blocks of GCM
- Using GCM in Your Application
- Authenticating GCM Communication

6. Social App Integration

- Introduction
- Understanding of SocialAuth Libs
- Facebook Integration
- Twitter Integration
- LinkedIn Integration
- MySpace Integration

7. Loaders

- Understanding Loaders Architecture
- Basic Loader API Classes
- Initializing the Loader
- Implementing onCreateLoader()
- Implementing onLoadFinished()
- Implementing onLoaderReset()
- Writing Custom Loaders

8. Contact API and Message API

- Understanding Loaders Architecture
- Basic Loader API Classes
- Initializing the Loader
- Implementing onCreateLoader()
- Implementing onLoadFinished()
- Implementing onLoaderReset()

- Writing Custom Loaders

9. Zopim Chat Integration

- Introduction to Zopim Chat
- How it works
- Connecting your App to Zopim
- Providing Known Visitor Data
- Starting a chat

10. Google Analytics and Google Tag Manager for Mobile

- Introduction to Google Tag Analytics
- Universal Google Analytics
- Introduction to Google Tag Manager
- Implementation of Google Tag Manager for Mobile