



Android Apps Development

Mode: Classroom

Duration: 40 hours

Course Contents:

1. JAVA Concepts
2. Introduction to Android
3. Android Installation and Eclipse
4. Android Framework Overview
5. Android Main Building Blocks
6. Basic Android UI Design
7. Adding Interactivity: Handling UI Events
8. Communicating Between Activities (Understanding Intents and Intent Filters)
9. Using Menus in Android
10. Adding Dialogs
11. Adapters and Widgets
12. Exploring ActionBar
13. Displaying Pictures and Menus with Views
14. Graphics Resources in Android
15. Multimedia Programming using Android
16. Data Persistence with Android Phones
17. Sharing data with Android - Content Providers
18. Working in Background – The Services
19. Notifications
20. Database - SQLite
21. Messaging and networking
22. Maps, Geocoding, and Location-Based Services
23. How to develop your own custom made Web browser
24. Accessing Android Hardware
25. Using the Android emulator
26. Testing and Debugging Android Application
27. Installation of .apk
28. Publishing Android Application
29. Hands-on sessions in live application development – testing/debugging and online hosting in Google Play (Selective Projects).