Unit : 1 [10%]

Introduction to Android
- History of Mobile Software Development
- The Open Handset Alliance
- The Android Platform
- Android SDK
- Building a sample Android application

Unit : 2 [35%]

Android Application Design Essentials
- Anatomy of an Android application
- Android terminologies
- Application Context, Activities, Services, Intents
- Receiving and Broadcasting Intents
- Android Manifest File and its common settings
- Using Intent Filter, Permissions
- Managing Application resources in a hierarchy
- Working with different types of resources

Unit : 3 [20%]

Android User Interface Design Essentials
- User Interface Screen elements
- Designing User Interfaces with Layouts
- Drawing and Working with Animation

Unit : 4 [35%]

Using Common Android APIs
- Using Android Data and Storage APIs
- Managing data using SQLite
- Sharing Data between Applications with Content Providers
- Using Android Networking APIs
- Using Android Web APIs
- Using Android Telephony APIs

Deploying Android Application to the World
- Selling your Android application

Text Book:
1 Lauren Darcey and Shane Conder, "Android Wireless Appli cation Development", Pearson Education, 2nd ed. (2011)

Reference Books:
1. Reto Meier, "Professional Android 2 Application Development", Wiley India Pvt Ltd (2011)
2. Mark L Murphy, "Beginning Android", Wiley India Pvt Ltd (2009)
3. Sayed Y Hashimi and Sa tya Komatineni, "Pro Android", Wiley India Pvt Ltd (2009)