


MCA- E308 Android Application Development				
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Course objective:				
<ol style="list-style-type: none"> 1. To facilitate students to understand android SDK 2. To help students to gain a basic understanding of Android application development 3. To inculcate working knowledge of Android Studio development tool 				
Course outcomes:				
<ol style="list-style-type: none"> 1. Ability to comprehend Android platform and its usefulness in application development. 2. Ability to acquire skill set to execute applications in Android based devices. 3. Ability to design and develop deployable Android applications 				
Introduction to Android: The Android Platform, Android SDK, Android Studio installation, Android Installation, building First Android application, Understanding Anatomy of Android Application, Android Manifest file.				
Android Application Design Essentials: Anatomy of an Android applications, Android terminologies, Application Context, Activities, Services, Intents, Receiving and Broadcasting Intents, Android Manifest File and its common settings, Using Intent Filter, Permissions.				
Android User Interface Design Essentials: User Interface Screen elements, Designing User Interfaces with Layouts, Drawing and Working with Animation.				
Testing Android applications, Publishing Android application, Using Android preferences, Managing Application resources in a hierarchy, working with different types of resources.				
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.				
Recommended Books:				
<ol style="list-style-type: none"> 1. Meier Reto and Lake Ian, "<i>Professional Android</i>", Wrox 2. John Horton, <i>Android Programming for Beginners</i>, Packt Publishing 				


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