



Session 12: TelephonyAPI

- ◆SMS
- ◆Email
- ◆Phone Call

Session 13: Threading & Locale

- ◆Splash Screen
- ◆Progress bar

◆Text to Speech

Session 14: Location Based Services

- ◆ Google Maps

Session 15: Publishing Android Applications (.apk)



Android Certification Path



Exams Information :

The following conditions apply to all Android ATC exams:

1. Each exam consists of 45 multiple-choice questions.
2. Exam duration is 90 minutes.
3. The passing grade is 70%.
4. The exam price for any Android ATC exam is 150 USD.
5. The validity of Android certificates does not depend on the date they were issued at i.e. they have no expiry date.
6. If an examinee did not pass an Android ATC exam, he/she may retake it after 24 hours; however, the retake is not free, the same fee will need to be paid again.

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About Us

Mazenet is widely recognized as a provider of state of art, IT training services to business enterprises, institutions and individuals. Mazenet has immensely contributed to the success of its customers, through high value skill development in the ever changing technology domain.

About ANDROID

Android powers hundreds of millions of mobile devices in more than 190 countries around the world. It's the largest installed base of any mobile platform and growing fast-every day another million users power up their Android devices for the first time and start looking for apps, games and other digital content.

Android gives you a world-class platform for creating apps and games for Android users everywhere, as well as an open marketplace for distributing to them instantly.

ANDROID SCHEDULE

Duration : 45Hrs.

Session-1: Introduction to Android

- ◆ A little Background about mobile technologies
- ◆ Overview of Android - An Open Platform for Mobile development
- ◆ Open Handset Alliance
- ◆ Setting up development environment
- ◆ Dalvik Virtual Machine & .apk file extension
- ◆ Basic Building blocks – Activities, Services, Broadcast Receivers & Content providers
- ◆ UI Components- Views & notifications
- ◆ Components for communication - Intents & Intent Filters

- ◆ Android API levels(versions & version names)

Session-2: My First Android Application

- ◆ How to setup Android Development Environment
- ◆ Android development Framework - Android-SDK, Android Studio
- ◆ My First Android Application
- ◆ Launching emulator
- ◆ Editing Emulator

Session-3: Application Structure

- ◆ AndroidManifest.xml
- ◆ uses-permission & uses-sdk
- ◆ Activity / services / receiver tions

- ◆ declarations
- ◆ Resources & R.java
- ◆ Assets
- ◆ Values – strings.xml
- ◆ Layouts & Drawable Resources
- ◆ Activities and Activity lifecycle

Session-4 : Introduction to Basic UI design in XML

- ◆ Push Button
- ◆ Text / Labels
- ◆ EditText
- ◆ ToggleButton
- ◆ Spinner
- ◆ AutoCompleteTextView
- ◆ Date & time picker
- ◆ ProgressBar
- ◆ Analog & Digital

Session-5: Advanced UI Programming

- ◆ Event driven Programming (EditText, TextView, Button, etc.)
- ◆ Android Activity Lifecycle
- ◆ Custom Menus
- ◆ Android Layout

Session-6: Intents

- ◆ Intent - Filterl
- ◆ Implicit Intents
- ◆ Explicit Intents

Session-7: Styles & Themes

- ◆ Styles.x ml
- ◆ Colors.xml- declaring colors and drawables

- ◆ Drawable resources
- ◆ Style attribute in layout file
- ◆ Applying themes via code and manifest file

Session-8: Adapters and Views

- ◆ ArrayAdapter
- ◆ BluetoothAdapter
- ◆ ListView
- ◆ WebView
- ◆ GridView
- ◆ ScrollView

Session-9: Notifications & Multimedia

Notification :

- ◆ Broadcast Receivers
- ◆ Services and notifications
- ◆ Toast
- ◆ Alarms

Multimedia:

- ◆ Audio Player
- ◆ Media Player
- ◆ Video View

Session-10: Android Activities to Mobile

- ◆ Basic, Empty, Login, Google Maps, Tabbed..etc

Session 11: Android SQLite Database

- ◆ SQLiteDatabase (insert, execSQL, insert, query)
- ◆ ContentValues
- ◆ SQLiteOpenHelper
- ◆ Android Device Monitor