



Android Application Development Training Program

This course is recommended
For IT Graduates specialising
in:

- Programming
- Software Development



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Melbourne Location: Elizabeth Street, Melbourne VIC 3000
Sydney Location: Quay Street, Sydney NSW 2000
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Android Application Development Training Program

About the Program:

The program covers all aspects of Android programming language, which is the fastest growing operating system of smart phones.

About the Instructor:

Our instructors are industry practitioners not academics, who have the latest technical skills, at least 3 years of relevant industry experience and are passionate about technology and training future talent.

Career Path:

- Android Application Developer

Skill Level:

Beginner to Intermediate

Program Duration:

Lecture: 30 hours, Assignment: 15 hours, Internship: 270 hours

Program Delivery:

2 weeks of classroom training followed by 12 weeks of in-company internship (optional)

Program Fee:

\$750 Online Training OR

\$1,500 Inclassroom

Internship Fee:

\$1,750

Timetable Option 1:

Monday to Friday, 10am to 1pm

Timetable Option 2:

Monday to Friday, 6pm to 9pm (Online only)

Internship Timetable:

Monday to Friday, 9am to 5pm (3 to 5 days))

Intake Dates:

Fortnightly

Melbourne Location:

Elizabeth Street, Melbourne VIC 3000

Sydney Location:

Quay Street, Sydney NSW 2000

Online:

ZOOM

COURSE SYLLABUS

Module 1: Java Concept

- OOPs Concepts
- Inheritance in detail
- Exception handling
- Packages & interfaces
- JVM & .jar file extension
- Multithreading (Thread class & Runnable Interface)

MODULE 2: SQL

- DML & DDL Queries in brief

MODULE 3: Introduction to Android

- What is Android?
- Setting up development environment
- Dalvik Virtual Machine & .apk file extension Fundamentals:
 - 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)

MODULE 4: Application Structure (in detail)

- AndroidManifest.xml
- uses-permission & uses-sdk
- Resources & R.java
- Assets
- Layouts & Drawable Resources
- Activities and Activity lifecycle
- First sample Application

MODULE 5: Emulator-Android Virtual Device

- Launching emulator
- Editing emulator settings
- Emulator shortcuts
- Logcat usage
- Introduction to DDMS
- Second App (switching between activities)
- Develop an app for demonstrating the communication between Intents

MODULE 6: Basic UI designForm widgets

- Text Fields
- Layouts
- [dip, dp, sip, sp] versus px
- Examples

MODULE 7: Preferences

- Shared Preferences
- Examples

MODULE 8: Menu

- Option menu
- Context menu
- Sub menu
- menu from xml
- menu via code
- Examples

MODULE 9: Intents (in detail)

- Explicit Intents
- Implicit intents
- Examples

MODULE 10: UI design

- Material Design
- Time and Date
- Images and media
- Composite
- AlertDialogs & Toast
- Popup
- Examples

MODULE 11: Tabs and Tab Activity

- Examples

MODULE 12: SQLite Concepts

- SQLite Programming
- SQLiteOpenHelper
- SQLiteDatabase
- Cursor
- Reading bookmarks
- Example:
 - a. Develop an App to demonstrate database usage. CRUD operations must be implemented
 - b. Final details should be viewed in GridView as well as in ListView.

MODULE 13: Android Debug

Bridge (adb)

Tool MODULE 14: Adapters and Widgets

Adapters:

- ArrayAdapter
- BaseAdapters
- ListView and ListActivity
- Custom listview
- GridView using adapters
- Gallery using adapters
- Examples

MODULE 15: Threads

- Threads running on UI thread (runOnUiThread)
- Worker thread
- Handlers & Runnable
- AsyncTask (in detail)
- Examples
- Live Folders
- Using sd cards
- XML Parsing
- JSON Parsing
- Maps, GPS, Location-based Services

Why learn from Appskill?

- Our training programs offer what no other university degree or education program can: real industry experience.
- You will attend live training in classroom or online via Zoom delivered by industry professionals, not academics.
- Our trainers bring in-depth experience from the field to the classroom each day, providing invaluable insights into succeeding on the job.
- We limit our class sizes at 10 students so you can ask all the questions you want.
- We organise internships in reputable host companies who are looking to hire staff so you get a chance to practice and improve your skills while getting assessed for employment.
- We try our best to convince host companies to make a job offer, thus most internships lead to employment.
- We provide Satisfaction Guarantee, which means if you are not completely satisfied with the quality of training delivered by our trainer or the work experience provided by host company, we will offer a replacement training program and internship at no extra cost.

What training programs are on offer?

- Amazon Web Services
- Microsoft Azure
- Agile Scrum Master
- Data Analytics with Python and Tableau
- Full Stack Web Development
- Android Application Development
- Salesforce Administration
- Digital Marketing

Why get trained now?

- Many organisations are migrating their IT infrastructure and databases into cloud.
- Many traditional shop-front businesses are going online for e-commerce.
- Most organisations are using data analysis and business intelligence to make impactful business decisions.
- Millions of IT jobs are available worldwide in spite of a global recession.
- Earn above \$100,000 pa after a few years of industry experience.

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Join a free demo lesson to assess the quality of our training programs and trainers.

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Call us on 1300 79 80 69 to speak to a Course Advisor.