XCELERATE TRAINING INSTITUTE

your learning & development partner

INFORMATION TECHNOLOGY

Mobile Application Development Course

DURATION	LANGUAGE	FORMAT
10 days	**English**	**Classroom / Online**

Upcoming dates

Dates	Venue	Format	Fee
18 – 29 ????? 2027	Live online	Online (live)	**€1?800**
26 ????? – 6 ????? 2027	Live online	Online (live)	**€1?800**
23 ????? – 3 ?????? 2027	Berlin	Classroom	**€7?200**

Register or ask a question

Online: x8ti.com/course/mobile-application-development-course-2/

+491631686678 · info@x8ti.com

Mobile Application Development Course

Introduction

With the increasing popularity of smartphones, tablets, and other mobile devices, there is a growing demand for mobile applications. This course by Xcelerate Training Institutes serves as an introduction to mobile application development, equipping participants with the skills to build applications for multiple platforms. Starting with basic web applications, the course progresses to advanced app development using frameworks like Phone Gap or Appcelerator.

Learning Objectives

Upon completion of this course, participants will be able to create mobile applications from scratch and successfully publish them on platforms like the Google Play Store.

Training Methodology

This course by Xcelerate Training Institutes combines theoretical lectures, hands-on coding exercises, and practical projects to teach mobile app development. Learners will acquire knowledge of programming languages, mobile platforms, user interface design, and app development methodologies. The curriculum covers foundational concepts, advanced techniques, and real-world application scenarios. Through a blend of instructor-led sessions, self-paced learning materials, and collaborative projects, participants will gain the skills to design, develop, and deploy functional and user-friendly mobile applications.

Benefits for Your Organisation

Investing in a mobile application development course empowers your organization by fostering innovation, enhancing customer engagement, streamlining operations, and boosting brand visibility. Your team will acquire the skills to create cutting-edge mobile solutions, improving internal workflows, enhancing customer experiences, and driving business growth through innovative app development.

Benefits for You

Unlock a world of opportunities with our Mobile Application Development Course! Gain in-demand skills, boost your career prospects, and unleash your creativity. Learn to build innovative apps for iOS and Android, from ideation to deployment. Join our supportive community, master cutting-edge technologies, and become a sought-after mobile developer. Whether you're a beginner or looking to advance your skills, our comprehensive curriculum and expert instructors will guide you every step of the way.

Who Should Attend

This course is designed for individuals interested in learning mobile app development and creating applications for Android and iOS devices.

Course Outline

Java Fundamentals

- Introduction to Java programming language
- Virtual machine
- Development environment setup
- Core Java concepts including:
- Data types
- Variables
- Control flow
- Arrays

Object-Oriented Programming (OOP)

- Introduction to OOP principles
- Classes
- Objects
- Inheritance
- Polymorphism
- Other key concepts

Advanced Java Topics

- In-depth exploration of nested classes
- Static members
- Enumerations
- Interfaces
- Exceptions
- Collections
- Input/output operations

Android Framework and Development Environment

- Overview of the Android software stack
- Introduction to Android Studio.
- Understanding the components of an Android application and its lifecycle.

Android SDK Tools and Activities

- Working with Android project structure
- Manifest file
- SDK tools.
- Creating and managing Android activities.

User Interface Development

- Building user interfaces using fragments
- Views
- List views

App Interaction

- Implementing app interactions using intents
- Intent filters

Customizing the User Interface

- Creating custom views and layouts
- Applying Android themes
- Styles

User Experience

- Designing user-friendly interfaces using Android's Material Design guidelines.
- Incorporating dialogs
- Menus
- Web views

Data Management

- Storing and retrieving app data using various storage options
- including files
- Shared preferences
- SQLite databases
- Content providers

Background Processes and Notifications

- Handling background tasks
- creating informative notifications

App Deployment and Testing

- Packaging the app
- Deploying it to devices
- Conducting thorough testing

App Store Publication

- Preparing the app for submission to the Google Play Store.

Copyright and intellectual property
This course, "Mobile Application Development Course", is an original course by Xcelerate Training Institute. All materials, content and structure are the intellectual property of Xcelerate Training Institute. Reproduction, distribution or use of any part of this course without written consent is prohibited.

Registration Form

Mobile Application Development Course

Preferred dates: ..... Venue or online: .....

Duration: 10 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

Call
+491631686678

Email this form
info@x8ti.com

Register online
Open the course page