MOBILE APP DEVELOPMENT

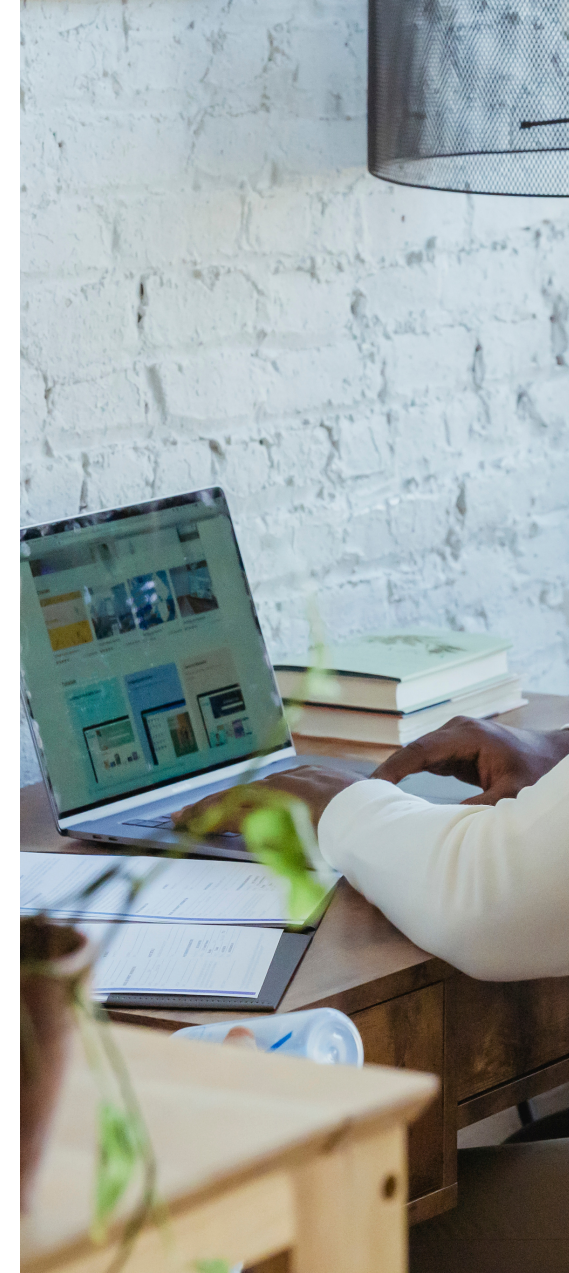Are you ready to dive into the dynamic world of mobile app development?

Seize the opportunity to enhance your skills, explore your creativity, and shape the future of technology! Our Mobile App Development Course is designed to provide you with a comprehensive understanding of app development, from concept to execution.

Techzone Academy

Discover
What Our School Has to Offer!

Course Highlights and Objectives:

- Understand the mobile app development ecosystem.

- Master the basics of programming for mobile platforms.

- Learn to design user interfaces for mobile applications.

- Develop proficiency in using mobile development frameworks.

- Implement features such as data storage, user authentication, and device integration.

- Test and debug mobile applications for optimal performance.

- Deploy mobile apps to app stores and understand the submission process.

Techzone Academy

Why Choose Our Course:

- Hands-On Learning: Gain practical experience through real-world projects and case studies.
- Expert Instructors: Learn from industry professionals with extensive experience in data science.
- Career Support: Access to career counseling, resume workshops, and job placement assistance.
- Flexible Schedule: Designed for working professionals, with evening and weekend classes available.

Who Should Attend:

- Aspiring app developers
- Computer science students
- IT professionals seeking to expand their skill set
- Entrepreneurs with app ideas

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DURATION

2 –3 Months

Prerequisite

Laptop:
4GB RAM at least with Core 2 Duo/Core i3
and above is good for the program

LEARNING MODEL

**TUTOR-LED
PHYSICAL CLASSES**

**COLLABORATIVE & INTERACTIVE
LEARNING**

**INDIVIDUAL & GROUP
BASED PROJECTS**

VIRTUAL CLASS

About Syllabus

This course provides an in-depth exploration of mobile app development, covering both Android and iOS platforms.

Students will learn the fundamentals of app design, development, and deployment using industry-standard tools and languages. The course will include hands-on projects, case studies, and real-world examples to equip students with the skills needed to create functional and user-friendly mobile applications.

Prerequisite

- Basic programming knowledge (preferably in a language like Java, Python, or Swift)
- Understanding of fundamental software development concepts

Course Duration

- 2 - 3 months

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SYLLABUS

Week 1-2: Introduction to Mobile App Development

- Overview of mobile development platforms (Android, iOS)
- Introduction to development environments (Android Studio, Xcode)
- Basics of programming for mobile platforms (Java/Kotlin for Android, Swift for iOS)

Week 3-4: User Interface Design

- Principles of mobile UI/UX design
- Building responsive layouts
- Implementing navigation and user interactions

Week 5-6: Mobile Development Frameworks

- Introduction to popular frameworks (React Native, Flutter)
- Hands-on development using a cross-platform framework

Week 7-8: Data Storage and Management

- Working with local databases (SQLite, Core Data)
- Integration with cloud-based storage (Firebase, AWS)

Week 9-10: Implementing Advanced Features

- User authentication and authorization
- Integrating device features (camera, GPS, sensors)

SYLLABUS

Week 11-12: Testing and Debugging

- Strategies for testing mobile applications
- Debugging techniques and tools

Week 13-14: Deployment and App Stores

- App deployment process for Android and iOS
- App store submission guidelines and best practices

Assessment

- Weekly coding assignments and labs
- Mid-term project: Develop a basic mobile app with a focus on UI/UX
- Final project: Design and implement a fully functional mobile application, incorporating advanced features and adhering to best practices

NOTE: *This syllabus is subject to change at the discretion of the instructor. Any modifications will be communicated in advance to the students.*

ABOUT US

We are a school for individuals looking to gain technical skills and kickstart a career in Tech.
Tech Zone Academy Offers Training, Consultancy, Advisory And All Related Services In All Areas Of
Information Technology Including Computer Hardware And Software, Data Communication, Telecommunications.
We deliver world-class software training, and tech infrastructure, to software engineers in rural and urban Africa, while deploying their skills to global technology needs.
Take your skills from beginner to industry ready in 6 - 12 months. Neither a degree nor prior tech experience is required.

Apply Now

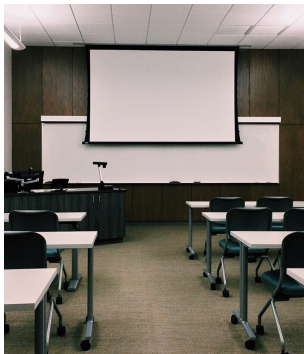Limited spots available, apply now at techzone.academy

Why choose us?

Small Class Sizes	Experienced Teachers
Safe Environment	Supportive Peers

Open Enrollment

for students of all backgrounds and abilities. Come visit us to learn more!