Syllabus 2026

Mobile App Development

Prepared By:
   TECH ENGINEER, Mohali

This Mobile App Dev. program is designed to provide complete practical knowledge of programming tools and strategies. Students will learn how to design & develop cross-platform mobile apps for Android and iOS devices and build successful online careers.

PROGRAM IS BEST SUITED FOR

Entrepreneurs

College Students

Marketing Professionals

Job Seekers

WHY YOU SHOULD LEARN MOBILE APP DEVELOPMENT

Here are the key reasons to learn mobile app development:

- **High Demand and Lucrative Career**: The mobile application market is booming, creating a strong need for skilled developers. In India, Android developer salaries can start around 5 LPA, while U.S. salaries average significantly higher.

- **Flexibility and Versatility**: You can work across diverse industries (e.g., finance, education). It also offers opportunities for freelancing, allowing you to choose your projects and workload.

- **Entrepreneurship Opportunities**: Learning to build apps for iOS or Android enables you to launch your own products, apps, or startup.

- **Continuous Innovation**: The field is constantly evolving, allowing you to stay updated with the latest technologies, tools, and trends.

- **High User Engagement**: With 70% of business systems accessed via mobile devices, apps are crucial for modern business interaction.

- **Cross-Platform Skills**: You can learn frameworks (like Flutter or React Native) to build apps for both iOS and Android simultaneously, enhancing your employability.

MODULE – I: HTML5 & CSS3
Develop cross platform mobile application development using HTML5 & CSS3
- Define Mobile applications
- Describe cross platform Mobile applications
- Discuss History of Mobile applications and platforms
- Discuss Current mobile platforms
- List Development tools used in mobile application
- List Languages used in mobile application
- Define HTML5
- List New features in HTML5
- Explain HTML5 based Mobile Applications
- List HTML5 API features
- Explain defining new elements, new attribute syntax, semantic elements, input elements in HTML5
- Explain Canvas, Scalable Vector graphics, media Types in HTML5
- Discuss HTML5 geo location API
- Discuss HTML5 local storage
- Define CSS3
- List New Features in CSS3
- Explain CSS3 Selectors
- Discuss CSS3 box model, CSS3 borders, CSS3 backgrounds
- Discuss CSS3 new colours, gradients, shadows
- Describe CSS3 transformation, 2D and 3D transformations, Transitions, Animations
- Explain CSS3 box sizing, CSS3 Flex boxes

MODULE – II: Ionic frameworks
Develop cross platform mobile application development using Ionic frameworks
- Discuss to Mobile user Interface Development
- List UI development Frameworks
- Discuss Ionic Framework
- List Support and Features of Ionic Framework
- Demonstrate Installing Ionic frameworks, platform supports (iOS and Android)
- Demonstrate Creating a User Interface project in Ionic
- Explain Ionic elements, lists, menus, slide boxes, refreshing
- Discuss Ionic NetBeans
- Demonstrate Building Ionic UI applications
- Demonstrate Testing Ionic Applications

MODULE – III: Apache Cordova

Develop cross platform mobile application development using Apache Cordova

- Define Apache Cordova
- Discuss history & Features of Cordova
- List Basic Requirements of Cordova
- Describe Creating cross-platform applications using HTML5-CSS3-javaScript based frameworks in Apache Cordova
- List Apache Cordova plug-ins for iOS, Android and Windows based Applications
- List Technologies used along with Apache Cordova
- Demonstrate how to create a project in Apache Cordova
- Explain Building Applications in Apache Cordova
- Distinguish iOS, Android and Windows application Compilation
- Describe Setting up Application files, Managing Local Storage Options
- Describe Single Page Applications, Managing UI Templates, view classes, view routing
- Discuss Managing Location API, Contacts API, Camera API
- Discuss Testing Applications

Certificate

Upon completing this Certification course, you will receive a program completion certificate from Tech Engineer, Mohali (Pb). This certificate will testify to your skills as an expert in the completed course.

Contact Us

Visit Our HQ

Address
Tech Engineer, 4th Floor R&R Tower,
Plot F-298, Phase 8B, Sector 74, Mohali

Phone
+91 85448 84846

Email
contact@techengineer.co

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