

Microsoft Xamarin Mobile Application Development

Length : 4 days
Delivery Method : Instructor-led (classroom)

Course Overview

C# is one of the most popular development languages in the world. While it was originally possible to build .NET apps running on Windows-based devices only, the game has changed dramatically.

Using Xamarin, we can now write apps which run on Android and iOS devices natively using C#. In this way, C# allows us to target billions of extra devices using the language we all love.

The experiences which users get from Xamarin base apps is fully native

In this 4 day course, you'll learn about the Xamarin environment. You'll learn about cross-platform development Xamarin.Android and Xamarin.iOS.

Audience Profile

This course is designed for programmers and developers who wish to develop mobile applications based on both the Android and Apple iOS platform without following native development using Android Studio or XCODE.

At Course Completion

Upon successful completion of this course, student will be able build Apple iOS and Android mobile applications.

You will:

- Design Android, iOS apps using Xamarin.
- Understand Xamarin Forms to cross platform development.
- Build iOS , Android application according to given specifications.
- Implement Web, Maps, ARKit and other SDK features.
- Deploy iOS and Android apps to the marketplace.

Pre-Requisites

Participants are required to have previous knowledge and experience of Java or C# or Swift programming language.

Course Outline

Module 1: Xamarin for Mobile Development

- Overview of Xamarin
- Xamarin iOS
- Xamarin Android
- Xamarin Forms

Module 2: Architecting Solutions for Cross-Platform Development

- Creating Shared Code Projects
- Portable Class Libraries
- Working with shared components
- Testing

Module 3: Cross-Platform Development with Xamarin.Forms

- Understanding XAML
- Page Views
- Controls
- Layout Views

Module 4: Android Development with Xamarin

- Setting Up an Android Development Environment
- Creating Android Views
- Activities and Intents
- Calling Android Services
- Testing and Debugging Xamarin Android Applications

Module 5: List Views and Adapters in Android

- Populate a ListView using an ArrayAdapter
- Handle list-item click events
- Implement a custom adapter
- Use layout recycling and the view-holder pattern
- Enable fast scrolling and code a section indexer

Module 6: iOS Development with Xamarin

- Setting Up an iOS Development Environment
- Creating iOS Views
- iOS Controllers
- Testing and Debugging Xamarin iOS Applications

Module 7: Navigation

- Navigation Patterns
- Modal Views
- Tabbed Views

Module 8: Data-Binding

- Data Access Classes
- .NET
- Binding to SQLite Database Data

Module 9: Working with iOS Table Views

- Explore table views
- Implement cell reuse
- Customizing table views
- Group Data in table view

Module 10: Deployment

- Deploying iOS Apps to the Apple App Store
- Deploying Android Apps to Google Play Store

AVANTUS TRAINING PTE LTD

80 Jurong East Street 21, #04-04, Singapore 609607

Sales Hotline: (65)6661 0888

Email: enquiries@AvantusTraining.com

www.AvantusTraining.com