

# Swift Training

## COURSE CONTENT

### GET IN TOUCH



Multisoft Systems  
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multisoftsystems.com



www.multisoftsystems.com

## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

Swift Training by Multisoft Systems offers a detailed exploration into the world of iOS and macOS app development using Swift, the powerful programming language endorsed by Apple Inc. This course is designed for both beginners and experienced developers looking to refine their skills and navigate through the nuances of Swift to build responsive, robust, and scalable applications.

## Module 1: Understanding Swift

- ✓ Introduction To Swift
- ✓ Introduction To XCode IDE
- ✓ Structure Of Swift Program
- ✓ Compiling And Building a Hello World
- ✓ Swift Playground
- ✓ Basic Syntax
- ✓ Variables And Data Types
- ✓ Structs And Classes

## Module 2: Getting Started with Swift

- ✓ Working With Collections
- ✓ Protocols And Extensions
- ✓ Generics
- ✓ Tuple
- ✓ Functions
- ✓ Subscripts
- ✓ Closures
- ✓ Automatic Reference Counting

## Module 3: iOS Development Basics

- ✓ Installing XCode And IOS SDK
- ✓ Understanding XCode
- ✓ Creating A Simple IOS App
- ✓ Project Templates
- ✓ Introduction To Pillars of IOS App Development-Tools-XCode
- ✓ IOS Simulator
- ✓ Instruments
- ✓ Language- Swift

- ✓ Design Patterns
- ✓ Frameworks
- ✓ Design-Correct UI
- ✓ Apple HIG
- ✓ Testing
- ✓ Provisioning
- ✓ Signing
- ✓ Submitting
- ✓ Using IOS Simulator
- ✓ MVC Pattern in IOS App Development

## Module 4: Storyboard Controllers and Layouts

- ✓ Lifecycle Of IOS Application
- ✓ Understanding Delegation
- ✓ IOS View Controllers
- ✓ Creating UI
- ✓ Introduction To Layout and Views
- ✓ Designing Responsive Interfaces with Auto Layout
- ✓ Create A Sample UI
- ✓ Walkthrough Of Controllers
- ✓ Debugging IOS Application

## Module 5: TableView, CollectionView & Various View Controllers

- ✓ Introduction To Table View
- ✓ Creating A Basic Table View and Data Source
- ✓ Loading Data into TableView
- ✓ Reusing Table View Cells
- ✓ Customizing Table Views
- ✓ UI CollectionView

- ✓ UI Refresh Control
- ✓ Introduction To Multiple-View Applications
- ✓ Using Navigation Controller
- ✓ Introduction To a Master-Detail Application
- ✓ Creating A Tab-Bar-Driven Application
- ✓ UI PageViewController

## **Module 6: Universal App, Size Classes & Camera**

- ✓ UISplitViewController
- ✓ Master-Detail Application
- ✓ Using Size Classes for Adaptive Layout
- ✓ Using Camera & Gallery to Capture Images

## **Module 7: Animation, Location, Maps & Social Sharing**

- ✓ Animations - Core Animation
- ✓ UIKit Dynamics
- ✓ Facebook Pop Animation
- ✓ Working With Maps- MKMapItem And MKPlacemark
- ✓ CLLocationManager
- ✓ MKMapView
- ✓ UIActivityViewController To Perform Social Sharing

## **Module 8: JSON Handling, Network Operation & Image**

- ✓ Caching
- ✓ Networking With Alamofire
- ✓ SwiftyJSON & HanekeSwift
- ✓ Introduction To Networking in IOS Application
- ✓ Adding/Managing Frameworks Using Carthage
- ✓ JSON Handling Using SwiftJSON
- ✓ Performing Networking Using Alamofire

- ✓ Downloading & Caching Images Using HanekeSwift

## **Module 9: Data Persistence and Storage**

- ✓ IOS Data Persistence
- ✓ Using NS User Defaults to Store and Read Information
- ✓ Property Lists-Working with Core Data
- ✓ Introduction To Core Data
- ✓ Creating Models with Entities
- ✓ Saving Models
- ✓ Fetching Model
- ✓ Edit And Remove Models
- ✓ Sample Application Implementing Core Data

## **Module 10: CloudKit, Parse and Submitting Apps to App Store**

- ✓ Implementing CloudKit Storage
- ✓ Interact With Parse Backend
- ✓ Localizing Application
- ✓ Submitting An App to Apple App Store

## **Module 11: Placement Guide**

- ✓ What Is an Interview?
- ✓ Tips To Clear an Interview
- ✓ Common Interview Questions and Answers
- ✓ IOS Development Interview Questions and Answers
- ✓ Resume Building Guide
- ✓ Career Roadmap and Certifications
- ✓ Attempt For Related Global Certification Exam, If Any
- ✓ Start Applying for Jobs