



# Swift



ROLASOFT PROFESSIONAL COMPUTER & IT  
COURSES VERSION 2.0 LATEST

## Diploma in Certified Swift Mobile Application Developer

*Become a job-ready Swift Developer in 6  
months!*

# Benefits of Studying Diploma in Swift Mobile App with RolaSoft

## ✓ 1. Industry-Relevant Curriculum

Stay ahead with a syllabus designed by industry experts, focused on real-world applications of swift.

## ✓ 2. Hands-On Training

Learn by doing — build real-time projects, develop applications, and gain practical coding experience.

## ✓ 3. Experienced Instructors

Gain insights from certified professionals and senior software engineers with years of teaching and industry experience.

## ✓ 4. Placement Assistance

Access job support services including resume building, mock interviews, and direct placement opportunities with partner companies.

## ✓ 5. Flexible Learning Modes

Choose between: **Online**, **Offline (at our center)**, or **Hybrid Classes**

# Benefits of Studying Diploma in Swift Mobile App with RolaSoft

## ✓ 6. Mini & Major Projects

Work on individual and group projects to strengthen your portfolio and impress future employers.

## ✓ 7. Certification Upon Completion

Earn a **Diploma Certificate** from **RolaSoft Technologies**, recognized by IT recruiters and employers.

## ✓ 8. Small Batch Size

Personalized attention and better interaction in small groups for an enhanced learning experience.

## ✓ 9. Affordable Fees & Installment Plans

Top-tier training at a reasonable cost, with flexible payment options.

## ✓ 10. Career-Oriented Skills You'll Gain at RolaSoft Technologies

RolaSoft ensures you're job-ready with the right tech stack and practical knowledge.

# Diploma in Swift Mobile App Course Details



## **Duration**

Six (6) Months



## **Schedule**

Weekdays / Weekends



## **Learning Modes**

Online, Offline (at our center), or Hybrid Classes



## **Start Date**

New batches start every month — enroll now!



## **Eligibility**

No prior experience required

# Swift Mobile App Prerequisites

- ✓ Basic knowledge of mathematics and logical reasoning
- ✓ Basic programming knowledge (preferably in Java, JavaScript, or Python)
- ✓ Familiarity with Xcode (Apple's IDE)
- ✓ You'll need a **MacBook, iMac, or Mac Mini** to run Xcode and test apps on iOS Simulators.

# Diploma in Swift Mobile App – Program Details

## Program Overview

The **Swift Mobile Application Development** course by *Rolasoft Technologies* offers comprehensive training in creating iOS mobile applications using **Swift**, the powerful and intuitive programming language created by Apple.

Throughout this 6-month program, you will master **Swift fundamentals, iOS SDK, UIKit, Core Data, and App Store deployment**. You'll also dive deep into **advanced concepts** like working with REST APIs, **Core Animation**, and **SwiftUI**. By the end of the course, you'll have hands-on experience and the ability to build real-world iOS apps, making you job-ready for an iOS developer role.

# Diploma in Swift Mobile App Course Curriculum

## Month 1: Introduction to Swift & Xcode

- ✓ Overview of Mobile App Development and iOS Ecosystem
- ✓ Introduction to Xcode IDE & Interface Builder
- ✓ Swift Basics: Variables, Constants, Data Types
- ✓ Operators, Control Flow (if, switch, loops)
- ✓ Functions, Closures, and Optionals
- ✓ Introduction to Classes and Structures
- ✓ Basic Error Handling in Swift
- ✓ First iOS App: "Hello World" App

# Diploma in Swift Mobile App Course Curriculum

## Month 2: User Interface Design with UIKit

- ✓ UIKit Framework Overview
- ✓ Understanding Views and ViewControllers
- ✓ Auto Layout and Constraints
- ✓ Working with Table Views & Collection Views
- ✓ UINavigationController, Segues & Passing Data
- ✓ Button Actions, Gesture Recognizers, and Custom Views
- ✓ Animations and Transitions
- ✓ **Project:** Basic To-Do or Calculator App

# Diploma in Swift Mobile App Course Curriculum

## Month 3: Advanced Swift Features & Core Data

- ✓ Object-Oriented Programming in Swift
- ✓ Inheritance, Polymorphism, and Abstraction
- ✓ Protocols, Delegates, and Closures
- ✓ Advanced Error Handling (Try-Catch)
- ✓ Introduction to Core Data and Persistence
- ✓ Working with Core Data Model and Fetch Requests
- ✓ Storing Data Locally using Core Data
- ✓ **Project:** Simple Note-Taking App

# Diploma in Swift Mobile App Course Curriculum

## Month 4: Networking & APIs

- ✓ Understanding REST APIs and JSON
- ✓ Making HTTP Requests in Swift (URLSession)
- ✓ Parsing JSON using Swift Codable
- ✓ Working with third-party libraries via CocoaPods/Swift Package Manager
- ✓ Authentication: Basic Auth, OAuth2
- ✓ Using Firebase for Real-time Data
- ✓ Networking Best Practices (Async, DispatchQueue, Error Handling)
- ✓ **Mini Project:** Weather or News App

# Diploma in Swift Mobile App Course Curriculum

## Month 5: Advanced iOS Features & SwiftUI

- ✓ Introduction to SwiftUI
- ✓ Building Views and Layouts with SwiftUI
- ✓ Data Binding and State Management
- ✓ Navigation and List Views in SwiftUI
- ✓ Integrating SwiftUI with UIKit
- ✓ Push Notifications with APNs (Apple Push Notification Service)
- ✓ Working with Location Services (Core Location API)
- ✓ **Mini Project:** Map-based or Chat App

# Diploma in Swift Mobile App Course Curriculum

## Month 6: App Deployment, App Store & Capstone Project

- ✓ Debugging and Profiling with Instruments
- ✓ App Optimization and Performance Tuning
- ✓ Building and Archiving the App for Distribution
- ✓ App Store Guidelines, Certificates, and Provisioning Profiles
- ✓ **Final Project:** Full-featured iOS Application

# Tools & Technologies Used

Tools & Technologies Used for **Swift Mobile Application** Course are:

- ✓ **Swift 5+** Programming Language
- ✓ **Xcode** IDE (Latest Version)
- ✓ **UIKit** and **SwiftUI**
- ✓ **Core Data** for Persistence
- ✓ **Firebase** for Backend & Authentication
- ✓ **CocoaPods / Swift Package Manager** for Dependency Management
- ✓ **Postman** for API Testing
- ✓ **Git & GitHub** for Version Control

# Final Capstone Project (End of 6 Months)

Students will complete an **industry-level project** in **Swift Mobile Application** :

- ☒ Full-featured iOS Application (Capstone Project)

# Swift Mobile App Learning Outcomes

By the end of this course, students will be able to:

- ✓ Write efficient iOS applications using **Swift**
- ✓ Build **native iOS apps** using **UIKit** and **SwiftUI**
- ✓ Understand **App Architecture** and implement **MVC** or **MVVM patterns**
- ✓ Persist data locally using **Core Data**
- ✓ Integrate **RESTful APIs** and work with **JSON** data
- ✓ Use **Core Location** and other device capabilities (camera, notifications)
- ✓ Build and deploy real-world apps with confidence

# Certification Obtain

After completion of the program, the student will be awarded with a certificate:

## **Diploma in Certified Swift Mobile Application Developer**

The program also prepares students for industry certifications such as:

- ✓ Apple App Development with Swift Certification
- ✓ App Development with Swift (Apple Developer Academy Certification)
- ✓ Udemy Swift & iOS Developer Certificates
- ✓ Swift Playgrounds Learn-to-Code Certificate (Unofficial)

# Swift Mobile App Career Opportunities

- ✓ iOS Mobile App Developer
- ✓ macOS App Developer
- ✓ watchOS App Developer
- ✓ SwiftUI Developer
- ✓ iOS Backend Integrator
- ✓ Cross-Platform Swift Developer (KMM / React Native + Swift Modules)
- ✓ Swift Cloud Developer

# Who Should Take This **Swift Mobile App** ?

## Who Should Take This **Certified Swift Mobile App**?

- ✓ Beginners in mobile app development
- ✓ Students or professionals transitioning into iOS development
- ✓ Entrepreneurs and freelancers looking to build iOS apps
- ✓ Developers interested in learning Swift and iOS-specific technologies
- ✓ Anyone wanting to create apps for Apple platforms (iPhone, iPad, WatchOS)

# Rolasoft Technologies Services

## Rolasoft Technologies – Services Offered

### ✓ **SOFTWARE DEVELOPMENT COMPANY**

(MOBILE APPLICATION, WEB APPLICATION, DESKTOP APPLICATION, CUSTOMIZED APPLICATION, E-COMMERCE WEBSITE)

### ✓ **PROFESSIONAL COMPUTER AND IT EDUCATION**

(TOP-UP PROGRAMS, DIPLOMA PROGRAMS, CERTIFICATE PROGRAMS, TECH @ SCHOOL, CORPORATE PROGRAMS, SIWES PROGRAMS, CUSTOMIZED PROGRAMS)

### ✓ **DIGITAL ADVERTISING AND BUSINESS BRANDING**

(SOCIAL MEDIA MARKETING, EMAIL MARKETING, CONTENT MARKETING, WEBSITE SEO, BRANDED CLOTHING, STICKERS AND TAG, CUSTOM BRANDING, AND MANY MORE)

### ✓ **INTERNATIONAL UNIVERSITY ADMISSION PROCESSING**

(AMERICA, UK, CANADA, EUROPE, AFRICA, AND MANY MORE)

## Contact & Registration

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**Enroll Today & Start Your Swift Mobile App Journey!**  
*Shape your future with Swift Mobile App.*