# TechnoMaster

NESTSOFT

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## Course: iOS

Duration: 80 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

### Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking

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## Syllabus on the Next Page ..

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## iOS Development Environment

* Introduction to iOS SDK

* What's new in iOS9

* SDK Tools

* What's new in Xcode7

* Using XCode

* Using Interface Builder

* Using iPhone Simulator

## Swift Language Basics

* Core Data Types

* String Type

* Tuples & Optional

* Constants & Variables

* Statements & Operators

* Control Flow & Decisions

* Functions

## Basic Object Oriented Programming using Swift

* Structs

* Types versus instances

* Member and static methods

* Custom initialization & De-initialization

* Classes

* Initialization

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* Methods

* Properties

### Advanced Object Oriented Programming using Swift

* Optional

* Introducing optional

* Unwrapping an optional

* Optional binding

* Nested Types

* Generic Types

* Protocol

### Memory Management

* Reference Counting Basics

* Automatic Reference Count

* Retain Cycles

### iPhone Application Basics

* Anatomy of an iPhone application

* Application Lifecycle and States

### User Interface Programmingâ€" Basics

* UI Kit Framework

* XIB and Interface Builder

* Window & View

* Basic User Controls

* Labels, Text Fields, Buttons, Sliders, Picker etc.

* Building application screens

* Alerts and Action Sheets

### Auto-layout and Constraints

### View Controllers

* Basics

* Creating View Controllers

* Content vs Container View Controllers

* Orientation Management

### User Interfaceâ€" Special Views

* Image View

* Scroll View

* Table Views

* Populating and configuring Table View

* Data Source and Delegate

* Table View Cells

* Custom Cells

* Editing Table View

* Collection View

### Multiple View Controllers

* Applications with Multiple Views

* Presenting View Controllers

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✳ Animating View Switching

## Storyboards

✳ Storyboard File

✳ View Controller and Scene

✳ Segue

✳ Invoking a Segue

✳ XIB and Storyboards

✳ Table View Cell Prototype

## Multi Touch and Gestures API

## Data Persistence - 1

✳ File System

✳ SQLite

## Data Persistence - 2

✳ Core Data

✳ NS User Defaults

## Concurrency and Background Execution

✳ GCD and Closures

✳ NS Operation and NS Operation Queue

✳ Background execution

## Networking, Connectivity

## Multimedia

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(Click on Course for more details)

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## - Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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