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Course: iOS

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

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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

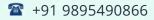
iPhone Application Basics

- * Anatomy of an iPhone application
- * Application Lifecycle and States

User Interface Programming– Basics

- * UI Kit Framework
- * XIB and Interface Builder
- Window & View
- * Basic User Controls

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- * 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 Interface– 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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- Thank You -

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