

PROFESSIONAL TRAINING COURSE



5 Days Course on iOS Application Development



Two Sigma Technologies

Suite B, 19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
68100 Batu Caves, Selangor

Tel : 03-61880601/Fax :03-61880602

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iOS Application Development

With iPhones being famous and with the addition of new tablet devices, it's no surprise that the IOS platform is the fastest growing mobile development platform in the world. This course presents the tools and skills needed to create applications for iPhone/iPad platform. With multiple hands-on exercises and demonstration projects, this course explores the core development tools for iOS (Xcode, Interface Builder and Simulator), the language (Objective-C) and the framework (Cocou Touch).

Who Can Benefit

- People who have interest in learning how to develop application for iPhone and need a platform for startup.
- Software programmers seeking to expand their skill and knowledge in iPhone app development.
- Companies interested to start an iPhone development team.

Prerequisites

Have knowledge and/or experience in software programming, preferably in C and C++ languages.

Course Settings

Date	Refer to Training Calendar
Venue	Refer to Training Calendar
Fees	Contact Us at sales@2-sigma.com
Timings	0900-1700 (5 Days)
Inclusive	Certificates and notes
Audience	IT Officer, Application Developer and Programmer

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iOS Application Development -Schedule

Day 1	
09.00am – 10.00am	Introduction <ul style="list-style-type: none"> • Welcome • What you should know Getting Started <ul style="list-style-type: none"> • Introduction to Apple iPhone Developer Program • Installing the Xcode & iOS 6.0 SDK
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	The Tools <ul style="list-style-type: none"> • Using Xcode • Using Interface Builder • Using iPhone Simulator Writing Objective-C <ul style="list-style-type: none"> • Introduction to Objective-C • Objective-C basics • The structure of an Objective-C program • Logging messages to the command Writing conditional code • The switch statement • Code snippets • Operators and expressions • Loops • Functions
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<ul style="list-style-type: none"> • Variables <ul style="list-style-type: none"> ○ Working with numbers and characters ○ Data types ○ Variable scopes ○ Enumerations ○ Working with strings • Classes <ul style="list-style-type: none"> ○ Object Orientation basics ○ Using objects and pointers ○ Messages and methods ○ Using existing classes in the foundation framework • Memory Management <ul style="list-style-type: none"> ○ Introduction to memory management ○ Object creation ○ Objective-C ARC • Custom Classes <ul style="list-style-type: none"> ○ Creating own classes ○ Defining methods ○ Defining properties ○ Defining initializers ○ Creating objects

Project Lab & Exercises	
Day 2	
09.00am – 10.00am	Advancing Objective-C <ul style="list-style-type: none"> • Collections <ul style="list-style-type: none"> ○ Working with Objective-C array objects ○ Using dictionaries ○ Fast Enumerations
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	<ul style="list-style-type: none"> • More Complex Classes <ul style="list-style-type: none"> ○ Inheritance and Objects ○ Extending classes with categories ○ Defining protocols ○ Dynamic typing ○ Using Blocks • Debugging <ul style="list-style-type: none"> ○ Common compile errors & warnings ○ Common runtime errors ○ Using breakpoints and debugging
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<ul style="list-style-type: none"> • Core iPhone Project Skills <ul style="list-style-type: none"> ○ Using the different iPhone project templates ○ Using Model-View-Controller (MVC) ○ Basic interaction ○ Understanding delegation ○ Understanding blocks • Using UIKit (User Interface) <ul style="list-style-type: none"> ○ Creating interfaces in Interface Builder ○ Outlets and Actions ○ Buttons, labels and text ○ Image views ○ Actions sheets and alerts ○ Custom buttons ○ Pickers Project Lab & Exercises
Day 3	
09.00am – 10.00am	View controllers & Navigation <ul style="list-style-type: none"> • Properties of Views • Subviews and Superviews • Creating a View Controller • Understanding View-Based Application • Manipulating Views
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	Table View <ul style="list-style-type: none"> • Creating a simple table • Reusing table cells

	<ul style="list-style-type: none"> • Customizing table cells • Customizing table view cells • Prototyping cells
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<p>Multi View Controllers</p> <ul style="list-style-type: none"> • Introduction to Multi View controller • Using Navigation controllers • Creating a navigation application • Using toolbar • Using Tab View controllers • Creating a tab view application • Using tab bars • Using Navigation, Tab Bar and Table View Controllers <p>Saving Data</p> <ul style="list-style-type: none"> • Options for saving data on the phone • Saving application data to property lists <p>Project Lab & Exercises</p>
Day 4	
09.00am – 10.00am	<p>Multitasking</p> <ul style="list-style-type: none"> • Understanding multitasking concepts • Responding to activation events • Using local notifications
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	<p>Introducing to CoreData</p> <ul style="list-style-type: none"> • Creating an Entity <ul style="list-style-type: none"> ◦ Adding & configuration Attributes • Create the Author Entity • Create the Topic Entity • Adding Relationships
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<p>Gesture Recognizers</p> <ul style="list-style-type: none"> • Introduction to gesture recognition • Multitouch architecture • Touches, swipes & multiple taps • Switching orientation • Accessing accelerometer data <p>Project Lab Exercises</p>
Day 5	
09.00am – 10.00am	<p>Developing for iPad</p> <ul style="list-style-type: none"> • Creating a Split-View Applications
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	<p>Using Split-View Applications</p> <ul style="list-style-type: none"> • Creating a Split-View Applications



	<ul style="list-style-type: none">• Loading data into a split-view controller• Communicating between panes of a split view• Customizing the split view
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	Using Popovers <ul style="list-style-type: none">• Introduction to Popovers• Creating a Popover Finishing Touches <ul style="list-style-type: none">• iOS Developer Programme• Preparing to submit to the App Store Project Lab Exercises

More Information

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To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.

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