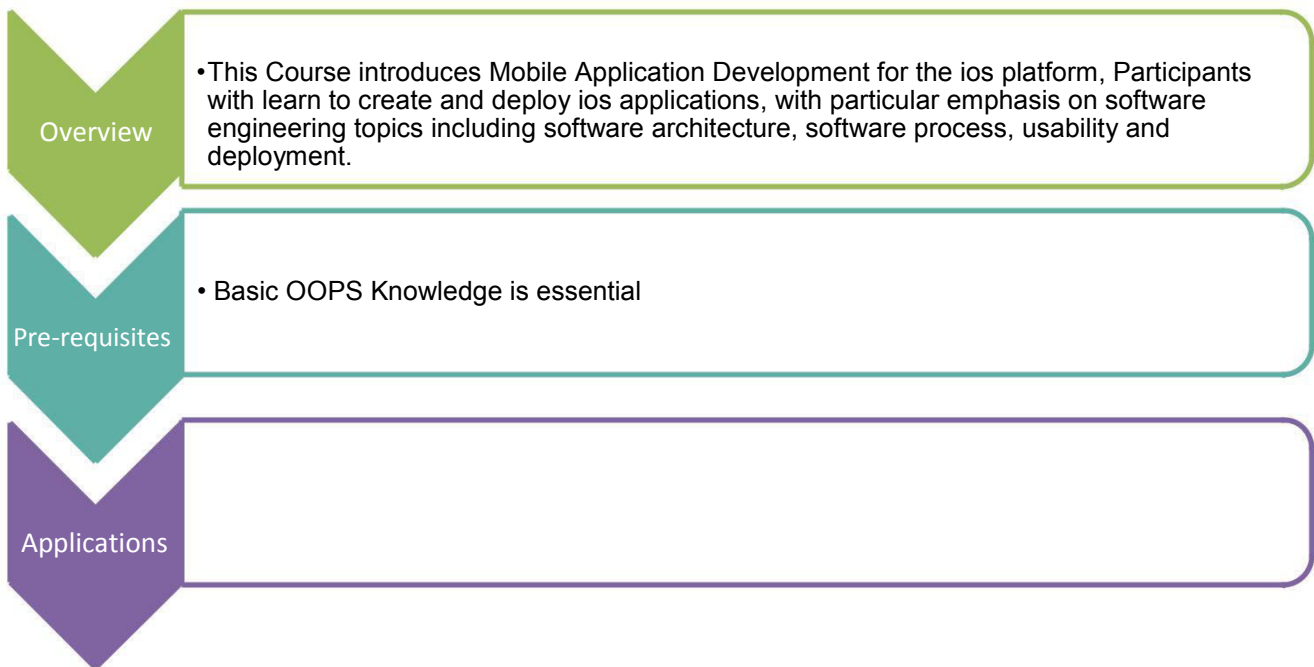


Course Brochure

IOS with Swift Programming



COURSE CONTENTS

❖ Delegation

iOS SDK

- ❖ iOS Application development fundamentals
- ❖ Xcode
- ❖ Interface builder
- ❖ Storyboards
- ❖ Simulator
- ❖ iOS software architecture

Objective-C Programming

- ❖ Objective-C Programming
- ❖ Objective-C Class Structure
- ❖ Object Creation
- ❖ Interface Structure
- ❖ Implementation Structure
- ❖ @interface,@implementation
- ❖ OOPS
- ❖ Method Declaration,Definition
- ❖ Class And Instance Methods
- ❖ Alloc init release autorelease Methods
- ❖ Message syntax
- ❖ Method Types
- ❖ Categories
- ❖ Protocols
- ❖ Properties ,@property,@synthesize
- ❖ Objective-c Keywords
- ❖ Properties(atomic,nonatomic,retain,strong)
- ❖ Setters and Getters

Swift Programming

- ❖ Playgrounds
- ❖ Constants and Variables
- ❖ Printing Variables and Constants
- ❖ Code Comments
- ❖ Datatypes
- ❖ Tuples
- ❖ Arrays
- ❖ Dictionaries
- ❖ Loops
- ❖ if Statements
- ❖ Switch Statements
- ❖ Functions
- ❖ Nested Functions
- ❖ Classes
- ❖ Instances
- ❖ Properties
- ❖ Protocols

Foundation Framework

- ❖ Foundation Framework
- ❖ NSLog
- ❖ NSObject
- ❖ NSString,NSMutableString
- ❖ NSArray,NSMutableArray
- ❖ NSDictionary,NSMutableDictionary
- ❖ NSSet,NSMutableSet
- ❖ NSTimer
- ❖ NSData
- ❖ NSFileManager
- ❖ NSBundle
- ❖ NSURL
- ❖ NSURLRequest
- ❖ UserDefaults

UIKit Programming

- ❖ IBAction Implementation
- ❖ IBOutlet Implementation
- ❖ Debugging Process
- ❖ UI Building Process
- ❖ UIViewController
- ❖ UIApplication
- ❖ AppDelegate Class
- ❖ Adding ViewController
- ❖ Application Life Cycle
- ❖ Connection Making With Controllers
- ❖ UIButton
- ❖ UILabel
- ❖ UIAlertView
- ❖ UIActionSheet
- ❖ UIActivityViewController
- ❖ UISwitch
- ❖ UISlider
- ❖ UISegmentedViewController
- ❖ UITextView
- ❖ UIImageView
- ❖ UITextField
- ❖ UIView
- ❖ UITableView
- ❖ UITableViewCell
- ❖ UIPickerView
- ❖ UIDatePicker
- ❖ Using UIWebView
- ❖ Browse internet In Application
- ❖ Loading Pdfs
- ❖ Loading HTML Files

COURSE CONTENTS

- ❖ Read Data From Internet
- ❖ UIProgressView
- ❖ UIStepper
- ❖ UIProgressView
- ❖ UICollectionview
- ❖ UICollectionviewCell

UINavigationController

- ❖ UINavigationController
- ❖ UINavigationControllerItem
- ❖ UINavigationControllerBar
- ❖ Making View Navigations
- ❖ PushViewController
- ❖ PopViewController
- ❖ StoryBoard Using with Navigation Controller

UITabBarController

- ❖ UITabBarController
- ❖ UITabBarItem
- ❖ Adding UITabBarItem
- ❖ Make Interface Between Tabs
- ❖ StoryBoard Using For TabBarController

UISplitViewController

- ❖ UISplitViewController
- ❖ Split Items in tableview,DetailView
- ❖ Adding values to a SplitViewController

UIPopoverViewController

- ❖ UIPopoverViewController
- ❖ iPad App with popover

UIPageViewController

- ❖ UIPageViewController
- ❖ Content in pages

UIPickerView

- ❖ UIPickerView
- ❖ Datasource Metods
- ❖ Delegate Methods
- ❖ UIDatePicker
- ❖ CustomPicker
- ❖ Images in Picker

UITableViewController

- ❖ UITableView
- ❖ UITableViewDelegate
- ❖ UITableViewDatasource
- ❖ UITableView Cell
- ❖ CustomCell TableView
- ❖ UITableView With UINavigationController
- ❖ UITableView With images.

ViewTransitions

- ❖ Animate View CoverVertical
- ❖ Animate View CrossDissolve
- ❖ Animate View Flip Horizontal
- ❖ Animate View PartialCurl
- ❖ StoryBoard with ViewTransitions.

StoryBoards (UIDesign) 2010 iOS 5.0

- ❖ StoryBoard Programming
- ❖ Scene
- ❖ Segue
- ❖ UINavigationController
- ❖ UITabBarController
- ❖ UICollectionviewController
- ❖ UIPageviewController
- ❖ Data Passing
- ❖ UIModelTransitions
- ❖ Custom Segue
- ❖ App UI Building Process.
- ❖ MVC design For application.

Webservices

- ❖ Understanding XML
- ❖ Understanding JSON
- ❖ NSXMLParser Class.
- ❖ Parsing XML
- ❖ NSXMLParser Delegate.
- ❖ Data getting from JSON.
- ❖ NSJSONSerialization.
- ❖ SBJSON
- ❖ NSURLConnection and Delegate
- ❖ NSURLSession and Delegate

PropertyList

- ❖ PropertyList
- ❖ Create A PropertyList Bundle
- ❖ Create A PropertyList DocumentDirectory

COURSE CONTENTS

- ❖ Add ,update and delete data
- ❖ Load Values From PropertyList in Table

SQLite Database

- ❖ SQLite DataBase Creation
- ❖ Add Tables
- ❖ Delete data
- ❖ Update data
- ❖ Select data
- ❖ Load Values From Database

CoreData

- ❖ Introduction CoreData
- ❖ CoreData Architecture
- ❖ Insert data
- ❖ Delete data
- ❖ Update data
- ❖ Read data

Composers

- ❖ Email Composing.
- ❖ SMS Composing.
- ❖ Phone Call
- ❖ FaceBook Integration
- ❖ Twitter Integration
- ❖ AddressBook Picker
- ❖ Image Picker
- ❖ Camera Picker
- ❖ Media Picker

Media

- ❖ Playing Audio
- ❖ Playing Video
- ❖ Touch Events
- ❖ Gesture Events
- ❖ Motion Events

Maps and Annotations

- ❖ MKMapView
- ❖ Loading Apple Maps

- ❖ Load Different Map types
- ❖ CLLocationManager
- ❖ CurrentLocation

CoreGraphics

- ❖ Introduction CoreGraphicFrameWork
- ❖ Draw Circles
- ❖ Draw Rectangles
- ❖ Draw Lines
- ❖ Draw Images

Universal Application

- ❖ Create Universal app
- ❖ load iPhone and iPad UI

Constrains For Autolayout

- ❖ Introduction Autolayout
- ❖ Working with Constrains

PhoneGap with Xcode

- ❖ PhoneGap installation
- ❖ Create app with PhoneGap
- ❖ Integrate HTML CSS JavaScript
- ❖ Integrate JQueryMobile.

Appstore Process

- ❖ Create Icon image for Application
- ❖ Load icons for App
- ❖ Create Splash Screens
- ❖ Load Splash for App
- ❖ Test Application on ipad.
- ❖ Test Application on iphone.
- ❖ Appstore Submission Process.