

iOS Syllabus	
Session 1: Objective C	
<ul style="list-style-type: none"> Classes, Properties, Categories and Protocols 	<ul style="list-style-type: none"> Working with Foundation Classes
<ul style="list-style-type: none"> Control statements and loops in objective C 	<ul style="list-style-type: none"> Understanding run-time environment
<ul style="list-style-type: none"> Working with Arrays and Dictionaries 	
Session 2: Memory Management	
<ul style="list-style-type: none"> Understanding the Memory leaks 	<ul style="list-style-type: none"> Reference Counting algorithm and ARC
Session 3: iPhone SDK	
<ul style="list-style-type: none"> Introduction to iPhone SDK 	<ul style="list-style-type: none"> Introduction to xcode
<ul style="list-style-type: none"> Cocoa Touch Framework 	<ul style="list-style-type: none"> iOS Application Architecture
Session 4: Views and Views Controller	
<ul style="list-style-type: none"> View 	<ul style="list-style-type: none"> ViewController
<ul style="list-style-type: none"> View Life cycle 	<ul style="list-style-type: none"> Basic Controls - Labels, Button, TextField, Slider etc
Session 5: Advanced Views and Controller	
<ul style="list-style-type: none"> TableView 	<ul style="list-style-type: none"> TableView Controller
<ul style="list-style-type: none"> Picker View , Date Picker 	<ul style="list-style-type: none"> Scroll View
<ul style="list-style-type: none"> Web View 	<ul style="list-style-type: none"> Navigation and Tabbar Controller
Session 6: Interface Builder	
<ul style="list-style-type: none"> Interface Builder 	<ul style="list-style-type: none"> Understanding XIB files
<ul style="list-style-type: none"> Creating Outlets and Actions 	<ul style="list-style-type: none"> Hibernate with annotation
Session 7: Data Storage	
<ul style="list-style-type: none"> Directory structure of an iOS App 	<ul style="list-style-type: none"> Using SQLite database
<ul style="list-style-type: none"> Using Core Data 	<ul style="list-style-type: none"> Property List
<ul style="list-style-type: none"> User Defaults 	
Session 8: XML and Web Services	
<ul style="list-style-type: none"> XML Parser 	<ul style="list-style-type: none"> JSON Parser
<ul style="list-style-type: none"> SOAP based web service 	<ul style="list-style-type: none"> REST web service
Session 9 : Touches and Gestures	
<ul style="list-style-type: none"> Handling the touch events 	<ul style="list-style-type: none"> Handling Gestures
Session 10: Multimedia	
<ul style="list-style-type: none"> Playing Audio file 	<ul style="list-style-type: none"> Playing short sounds
<ul style="list-style-type: none"> Playing Video on iPhone 	
Session 11; Maps	
<ul style="list-style-type: none"> Displaying Map in iOS App 	<ul style="list-style-type: none"> Working with Pin Annotations
<ul style="list-style-type: none"> Handling the Map region 	
Session 12: Working with Storyboard	
<ul style="list-style-type: none"> Using Storyboard to design the app 	<ul style="list-style-type: none"> Using Sequences
<ul style="list-style-type: none"> Passing data from One Controller to another 	
Session 13: Handling Different Screen Sizes	

• Programmatically controlling the views	• Using springs and struts model
• AutoLayout	
Session 14: Multithreading	
• Multithreading in an iOS App	• Using NSThread
• Using GCD (Grand Central Dispatch)	
Session 15: Notifications	
• NSNotification and NSNotificationCenter	• Working with UILocalNotifications
• APNS (Apple Push Notification Service) Overview	
Session 16: Using Camera	
• Capturing image using camera	• Getting the images from the Image Gallery
Session 17 : Accessing Device Sensors	
• Accelerometer	• GPS
Session 18: Mails and SMS	
• Sending mail and SMS from an App	
Session 20: Transitioning to the iPad	
• SplitView Controller	• PopOver Controller
Session 21: Deployment	
• Installing and testing an App on iOS Device	• Publishing an app to the Appstore