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LEARN **IOS**

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 Second Floor and Third Floor, 5/3 BEML Layout, Varathur Main Road, Kundalahalli Gate, Bengaluru, Karnataka 560066

www.traininginbangalore.com



 info@tibacademy.com

 **+91 9513332306**



INTRODUCTION TO DEVELOPMENT MAC OS, IDE – XCODE, INTERFACE BUILDER

- Mac versions –Features
- iOS versions -Features
- Introduction to Xcode tool and Compilers

INTRODUCTION TO OBJECTIVE-C

- Creating Objective C classes and Methods
- Creating Properties and methods
- OOPS in Objective C
- Inheritance ,Polymorphism,Dynamic Typing ,Dynamic Binding
- Arrays,set,Dictionaryes
- Categories and protocols
- Application Lifecycle
- Xib,Storyboard and Interface builder
- Creating and building simple applications
- UI State Preservation
- View application sandbox and CrashLogs of Application

COCOA DESIGN PATTERNS

- What is MVC ?
- Model ,View and Controller Classes
- Delegate and Datasource
- Singleton Pattern
- Observer pattern
- Target-Action
- Cocoa coding standards



MEMORY MANAGEMENT

- Introduction (alloc init, retain Release)
- Auto release pool

OBJECTIVE -C ARC

- Migrating your application to ARC
- Basic Interaction with UI Controls
- Button, label, Text fields
- switch, slider, progress bar
- Alerts ^ Action sheet
- Tableviews
- Scrollview, Web view, maps
- SearchBar, popovers
- Picker, Date picker, Imageview, Image picker controller
- Gestures , Mouse events
- Mail, Message, Phone call

ORIENTATION AND IPHONE SENSORS

- The iPhone Accelerometer
- Detecting shakes
- Determining orientation
- Responding to the accelerometer

WORKING WITH TABLE VIEW

- UI Table View Controller
- Working with multiple TableViews
- UI Table View Cell
- TableView practices
- Custom Cell creation.

MULTI VIEW APPLICATIONS

- view to view (Present model view controller)
- Navigation controller
- Tabbar controller
- Pageview controller
- Split view controller

CORE GRAPHICS AND QUARTZ CORE

- UI Kit and view life Cycle
- Draw lines and transforms.
- Alphe ,Opaque ,hidden
- Create PDF fiels
- Merge Images
- SplashView and Basic animation
- Adding Views with animation

MAPS SDK

- Introduction to MapKit Framework
- Showing a simple Map
- Update User Location
- Background location updates of user .

REST AND SOAP SERVICES , XML AND JSON PARSING

- Asynchronous and synchronous request
- Soap service
- Rest service
- Xml and JSON Parsing
- KeyValue coding and Nested JSON objects
- Error handling
- Lazy loading

MULTITASKING IN IOS

- NSThread and management of multiple threads
- Synchronous and Asynchronous
- Introduction to NSTimers
- GCD in iOS
- NS Operation and NS Operation Queue

DATA BASE PERSISTENCE

- User Defaults
- Plist
- sqlite
- Core Data

MEDIA INTERACTION

- AVAudio player
- MedaiPlayer
- MPMovie player

NOTIFICATIONS

- Local notifications
- App level Notifications
- Push Notifications

SOCIAL NETWORK INTEGRATION

- FaceBook
- Twitter
- Google +

TESTING AND DEPLOYMENT

- Debugging application in device.
- iOS5,iOS6,iOS7 features and differences
- App store Submission

*SYLLABUS CAN BE CUSTOMIZED BASED ON YOUR REQUIRMENT