COURSE ROADMAP

Week 1 - 2 : Introduction to Swift - Beginners concepts.

What you will learn:
- ✓ Swift Fundamentals
- ✓ Object Oriented Programming & Swift
- ✓ Creating Your First User Interface

Topics covered :

➢ Basic Syntax	➢ Data Types
➢ Variables	➢ Constants
➢ Literals	➢ Operators
➢ Decision Making	➢ Loops
➢ Strings	➢ Characters
➢ Arrays	➢ Dictionaries
➢ Functions	➢ Closures
➢ Enumerations	➢ Structures
➢ Classes	➢ Properties
➢ Methods	➢ Subscripts
➢ Inheritance	➢ Initialization
➢ Deinitialization	➢ Type Casting
➢ Extensions	➢ Protocols
➢ Generics	➢ Access Control

Week 3 – 6: Developing Using Swift - Intermediate concepts.

What you will learn:
- ✓ Developing a Basic App
- ✓ Auto Layout, Navigation, Segues
- ✓ Creating adaptive layouts
- ✓ Protocols and Delegates
- ✓ Table Views

Topics covered :

UI Elements:

➢ Viewcontroller	➢ Navigation Controller
➢ Storyboard	➢ Uitableviewcontroller
➢ Collectionview	➢ Tab Bar Controller
➢ Split View Controller	➢ Page View Controller
➢ Label	➢ Button
➢ Text Field	➢ Slider
➢ Switch	➢ Activity Indicator
➢ Progress View	➢ Page Controller
➢ Stepper	➢ Table View

- ➢ Table View Cell
- ➢ Text View
- ➢ Date Picker
- ➢ Map Kit
- ➢ Tap Gestures
- ➢ Container View
- ➢ Bat Button Item
- ➢ Icons
- ➢ Image Asserts

- ➢ Image View
- ➢ Scroll View
- ➢ Picker View
- ➢ Web View
- ➢ View
- ➢ Tab Bar
- ➢ Search Bar
- ➢ Flash Screens
- ➢ Alert View Controller

Frameworks

- ➢ Social framework
- ➢ UIKit framework
- ➢ WebKit framework

- ➢ Photos framework
- ➢ Foundation framework
- ➢ PushKit framework

Week 7-12: Advanced Swift Topics

What you will learn:
- ✓ Command Line and CocoaPods
- ✓ Data persistence
- ✓ Networking & Networking Requests
- ✓ App Project
- ✓ Launching the App

Topics Covered:

- ➢ Push Notifications
- ➢ Viop Notifications
- ➢ Json Parsing
- ➢ Nsurl Connection
- ➢ Sqlite

- ➢ Local notifications
- ➢ Cocoa pods
- ➢ XML parsing
- ➢ Core Dava

App Project :

You will have the option to build your own app, improve upon an app using an existing API or build an app with your classmates. Depending on your willingness to put in work outside of class, you will be building a project that has the potential to be basic or complex. This application will use all aspects of the topics covered in the course and will be implemented using industry level libraries and techniques.