iOS
App Development

Course Duration:
40 training hours

cacttus®
Education

COURSE DESCRIPTION

This course will cover the necessary concepts for creating and functionalizing a mobile application on the iOS platform. The course offers a general technical view of an application in the broader sense. The technical segments will focus in the design and in effective implementation of iOS mobile applications in the user level.

COURSE OUTLINE

• Gaining a comfort level with Xcode

• Apply Auto Layout constraints to create adaptive user interfaces

• Discovering how to connect user interface controls to controller code

• Understanding the tools and technologies used to create iOS apps

• Practicing the fundamentals of Swift syntax

• Understanding object-oriented programming with Swift

• Discovering Swift data types and collections

• Exploring iOS native Views and their application

• Demonstrating Arrays, ranges and the map function

• Describing protocols and delegates

• Using User Defaults, property list files and Core Data for persistence

• Describing object-oriented inheritance and subclassing

• Discovering how to respond to touch events

• Practicing establishing connections between controllers and views

• Describing how frameworks provide additional app functionality

• Combining additional frameworks in an Xcode project configuration

• Discovering the fundamental features of the Map View API

• Requesting data from an HTTP server and parsing with JSON