

# Introduction to Programming in Swift 5

## Course Content –

### **Installation, Setup and Your First Code**

- Downloading and installing Xcode
- Hello Swift

### **Variables, Strings and Numbers**

- Variables
- Working with strings
- Working with numbers

### **Conditional Logic, Arrays and Loops**

- Boolean and conditional logic
- Constants and logical operators
- Arrays
- Loops

### **Dictionaries, Functionals and Optionals**

- Dictionaries
- Functionals in Swift
- Optionals

### **Architecture and Object-Oriented Programming**

- Object-oriented programming
- Inheritance
- Polymorphism
- MVC in theory
- Creating an Xcode project
- Project groups for MVC
- Creating a model layer
- Creating a custom view layer
- Connecting view to controller
- Securing model layer
- MVC challenge