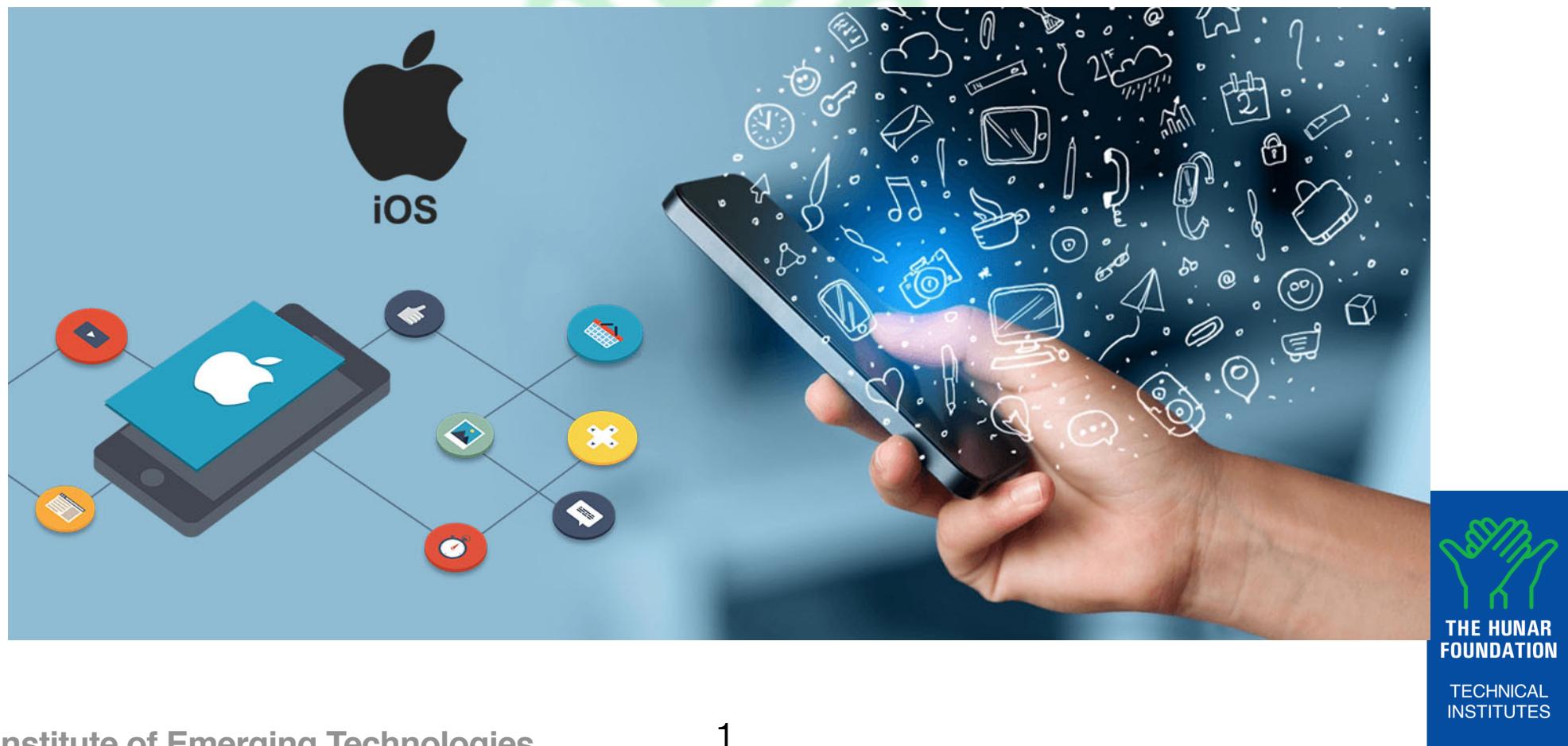


# Explore the Future with iOS App Development



# Overview

The journey to become an iOS app developer begins with your imagination to create. If you are passionate about app development and programming, then this program is for you. Through the program, you will be able to develop the relevant skillset to ideate and create. You will explore the world of iOS app development through Swift programming using Xcode IDE. This course will enable you to learn the art of using technological tools with a unique approach. By the end of this course, you will be ready to showcase your skills as a programmer and an iOS App developer.



# Our Classroom Experience

## Real-World Projects

Throughout this hands-on program, students will have the opportunity to learn and practice key development skills including the Swift language and how to code iOS applications.

1. Dice App
2. Xylophone App
3. Egg Timer App
4. Quiz App



# In This Course

## Basic Swift Programming & App Design

- **Concepts of Object Oriented Programming (OOP):** The type system, variables, functions and methods, inheritance, structures, classes and protocols etc.
- **Control Structures:** Using if-else clauses, switch statements and logic to control the flow of program execution.

## Intermediate Swift Programming

- **Data Structures:** Working with collections, such as arrays and dictionaries.
- **MVC Design Pattern:** How to organise and format code for readability and how to implement the Model View Controller (MVC) design pattern.



# Who You'll Meet

- Highly qualified Programmers having vast theoretical knowledge and massive hands-on experience about iOS App Development
- Experts in Object Oriented Programming, Swift and embedded systems programming.
- Experts in Augmented Reality - Apple's ARKit

# What You'll See

- An in-depth series of online/offline lectures, with high-quality graphics & detailed descriptions
- Interactive lab projects with challenges in which you will learn to design and develop iOS Apps from very basic to Intermediate Level
- Interactive sessions with academic & industry experts, capturing cutting-edge perspectives



# Why Should You Enrol?

- Be able to develop iOS Apps
- Create a portfolio of Apps
- Understand Apple's latest UI framework
- Become a novice freelancer



# Course Instructor

**Hamza Aslam**

**Electronics Engineer, NED-UET, Karachi**

He is the Instructor for the course “Explore the Future with iOS App Development” offered by the RAAS institute of Emerging Technologies at The Hunar Foundation. His areas of expertise are iOS application design and development. Furthermore, he is experienced in design and development of innovative robots. His method of teaching is highly engaging which helps him convert innovative ideas and coding into a fun learning process, while also simplifying complex problems.

