

# Ionic Framework

**Course Duration: 24 Hours**

**Course code: Ionic Framework**

## 1. Course Overview

This course provides participants with hands-on expertise in developing cross-platform mobile applications using the Ionic Framework. Learners will understand how to use Ionic with Angular/React/Vue, integrate native device capabilities, manage navigation, work with APIs, and deploy apps to Android and iOS stores.

## 2. What you'll learn?

- Fundamentals of the Ionic Framework and hybrid app development.
- Building UIs with Ionic components and theming.
- Implementing navigation, routing, and state management.
- Accessing device features (camera, GPS, storage, notifications).
- Connecting to RESTful APIs and managing data.
- Optimizing app performance and security.
- Deploying Ionic apps to Android and iOS.

## 3. Target Audience

- Web developers who want to transition to mobile app development.
- Mobile developers seeking to build cross-platform apps efficiently.
- IT professionals, students, and freelancers building hybrid apps.
- Anyone interested in Ionic, Angular, or hybrid mobile technologies.

## 4. Pre-Requisites

- Basic knowledge of HTML, CSS, and JavaScript/TypeScript.
- Familiarity with Angular, React, or Vue (preferred).
- Basic understanding of mobile app development concepts.

## 5. Course content

1. Introduction to Hybrid Mobile Application Development & Ionic.
2. Features of ionic CLI and cordova.
3. Modules, Pages and providers.
4. Ionic UI components and API and their application in ionic development.
5. How to implement navigation, enable communication between navigation components. Using remote APIs using angular http client.
6. Native features using ionic native.
7. Customize ionic theme by updating ionic SASS variables

