



GETIN TECHNOLOGIES

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COURSE NAME: IONIC TRAINING

[Visit our website for Course Fees and Course Duration](#)

Placement Eligibility:

Eligible: Any Bachelor Degree, Any Master Degree, MBA

Not Eligible: Diploma

Class Mode:

Classroom | Online | Recorded Session | AI Session

If you have Completed Course, You want only Placements

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IONIC SYLLABUS

Beginner Level

Introduction to Ionic and Hybrid Mobile App

Development

- Introduction to hybrid mobile app development
- Overview of Ionic framework and its advantages
- Setting up the development environment (Node.js, NPM, and Ionic CLI)
- Understanding the Ionic project structure
- Creating a new Ionic app

Angular Essentials for Ionic

- Introduction to Angular and TypeScript
- Angular components and templates
- Data binding and interpolation in Angular
- Working with data using services and observables
- Reactive Forms in Angular
- Using HttpClient in Ionic

Ionic Basics

- Using Ionic CLI to create and manage projects
- Using Ionic components and UI elements
- Ionic navigation and routing
- Creating Ionic pages and templates
- Ionic Forms and Input components
- Working with HTTP services

Ionic UI/UX Development

- Styling Ionic apps using CSS and Sass
- Ionic Layouts and Grid System

- Ionic Native and Cordova Plugins
- Using icons and fonts in Ionic apps
- Animations in Ionic

Intermediate Level

Advanced Ionic Components

- Ionic Native components like Camera, Geolocation, and others
- Ionic Storage and SQLite
- Working with the Filesystem in Ionic
- Ionic Lists and Item Sliding
- Ionic Tabs and Side Menu

Building Ionic Apps with Firebase

- Introduction to Firebase
- Real-time database operations with AngularFire2
- Firebase Authentication and Authorization
- Building a real-time chat app using Ionic and Firebase

Testing and Debugging in Ionic

- Debugging and troubleshooting Ionic apps
- Unit testing in Ionic using Jasmine and Karma
- End-to-end testing using Protractor
- Debugging Ionic apps in Chrome and Safari dev tools

Advanced UI/UX Development

- Creating custom components in Ionic
- Ionic Animations and Gestures
- Using SVGs in Ionic
- Theming and branding your Ionic app
- Ionic PWA development

Advanced Level

Advanced Ionic Development

- Performance optimization techniques for Ionic apps
- Advanced Ionic routing and navigation
- Ionic Animations and Transitions
- Ionic Forms and Validations
- Creating Ionic Plugins

Ionic Security

- Ionic security best practices
- Securing Ionic apps with HTTPS and SSL
- JWT Authentication in Ionic
- OAuth and Ionic

Deploying Ionic Apps

- Deployment to the App Store and Play Store
- Creating a production build
- Deploying to Firebase hosting
- Continuous Integration and Delivery (CI/CD) with Ionic

Advanced Topics

- Advanced TypeScript concepts
- RxJS Observables and Operators
- GraphQL with Ionic
- Working with third-party APIs in Ionic

