



IONIC MODULE

HYBRID MOBILE APPLICATION FRAMEWORK

INTRODUCTION

Single code-base, Multi-Platform

By

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IONIC FRAMEWORK

Ionic is a complete open-source SDK for hybrid mobile app development. The original version was released in 2013 and built in top of Angular JS and Apache Cordova. Ionic provides tools and services for developing hybrid mobile apps using web technologies like CSS, HTML5, and Sass. Apps can be built with these Web technologies and then distributed through native app stores. Ionic was created by Max Lynch, Ben Sperry, and Adam Bradley of Drifty Co. in 2013.

Benefits of Hybrid App Development with the Ionic Framework

- Development of apps on leading mobile platforms (iOS, android, Windows) becomes possible and all the more facile with Ionic framework.
- Provides codes of mobile optimized HTML, CSS and JS components.
- Ionic has ability to spit out platform specific optimized CSS to match native look and feel on different mobile operating systems.
- Ionic integrates into AngularJS hence helping structure that code better and more manageable.
- Eliminates the need of code rewriting.
- Helps to save time, money and efforts.
- Helps in developing apps rapidly and efficiently.

What will you learn?

The course aims to provide the participants with a comprehensive understanding of the hybrid mobile application. The participants will gain: -

1. The knowledge about the installation of Ionic tools into the machine.
2. An understanding of fundamentals of hybrid mobile application.
3. Design sample mobile application and display through web browser and phone.

What will you need?

- Laptop with internet connection.

What should you know before you join?

- HTML
- JavaScript
- AngularJS
- MVC (Model-View-Controller)

Module Overview

The scope of this module will be covered:-

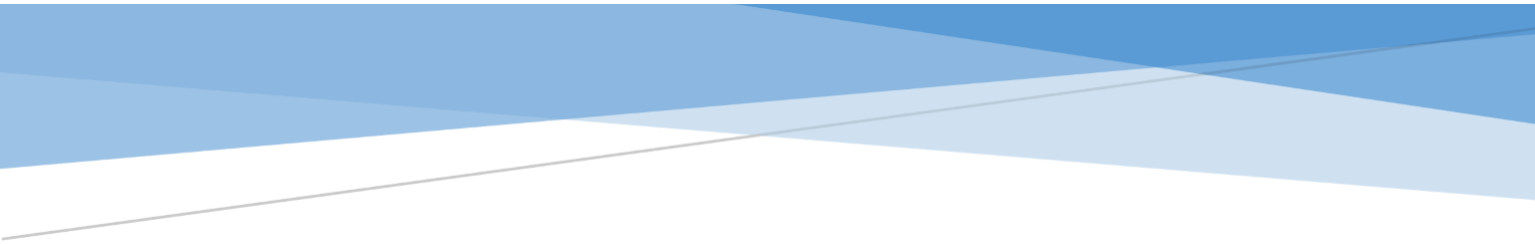
1. Windows OS.
2. Android Package Kit (APK).
3. Firebase.

Tools:-

1. Node.js
2. Visual Studio Code
3. Android Studio
4. Git

This module will conducted in 3 days:-

- Day 1
 - Introduction of Ionic Framework.
 - Installation of Ionic Environment.
 - Building first Ionic Application.
- Day 2
 - Database connection using Firebase.
 - Building CRUD operation apps using Firebase.
- Day 3
 - APK created (android platform).



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