



## Center of Excellence at In Time Tec Mobile App Development

In this advancing world of technology, mobile applications have become a rapidly growing segment of the global market. It is evolving to provide a faster and richer user experience.

Engineering talent at In Time Tec has extensive experience in the area of mobile app development for both Native as well as Hybrid environments working under a structured development process. We understand customer requirements and have developed applications across different platforms and technologies, delivering an enhanced customer experience with the high quality product and on-time delivery.

A high-level summary of the expertise is listed below:

### 1. Native App Development

Platform:

- a. iOS / Programming Language: Objective C
- b. Android / Programming Language: Java

Native app implementation is developed using the latest programming languages and interfaces exposed by the specific operating system of the mobile device i.e. Android or iOS. Building applications with native implementation is advantageous because it is more compatible with the device, it can take full advantage of the features a device has to offer. Native implementations are specific to a particular operating system and need to be written for use in other environments.

### 2. Hybrid App Development

Platform:

- a. iOS, Android
- b. Programming Language: Javascript, HTML, CSS
- c. Frameworks: Cordova, React Native, Angular JS

Hybrid app implementation is a mix of native implementation and web application. The application is written using web technologies such as HTML5, CSS, and JavaScript and packaged in a native wrapper which can be easily deployed on a mobile device. The native wrapper has integrated libraries which allow access to the Native API of an operating system, which is exposed to the JavaScript to be utilized by the Hybrid application. Being developed in generic web technologies, the code can be reused on different operating systems by only changing the native wrapper. The Hybrid app also gives the advantage to write additional plugins to expose device features which are not available in the wrapper allowing for further customization.

### **3.Success Stories**

#### *Messaging / Notification Application*

In Time Tec helped develop a communication and messaging mobile application, which helps employees to receive push notifications and alerts from the organization based on their location and other criteria. The application involved utilizing device hardware features like GPS, Camera, and libraries for Push Notifications, and was developed for both iOS and Android.

#### *Event Schedule Application*

In Time Tec joined in developing another application specifically for attendee planning and interest data. Attendees could choose from multiple tracks providing different seminar and class options. Their selection would present them with a schedule and track specific information. The organizers also benefited by obtaining anonymous data about which tracks or seminars were the popular choice. The application was developed for both Android and iOS.

#### *Weather Alert Application*

In Time Tec developed an application for receiving emergency alerts from the public safety agencies concerning severe weather and community safety warnings. This free application allows its users to add their location(s) and set preferences to receive alerts concerning them. It also has a feature to track the user's location and send an emergency rescue notification. This application utilizes maps to show areas of impact with different markers, with the ability for the user to tap and check each notification.