

Price: R2,500.00 excl. VAT
Duration: 1 day
Code: MOBOV

Mobile Application Technology Overview

Description

Mobile applications development is already a major trend in the software industry, and is growing every day. From simple games to custom software for logistics, more and more developers need to make their software run on smart phones and tablets. There are many technologies and frameworks available, but which is best for you? This seminar will help you to understand the advantages and disadvantages of the various technology choices, so that you can make an informed decision that is best for your organisation.

Objectives

After you have completed the Mobile Application Technology Overview, you will:

- Understand the concept of mobile applications, as well as the advantages and limitations of such apps.
- Understand the criteria you need to evaluate before deciding on your development technology.
- Understand the differences, advantages and disadvantages of the most popular mobile app technologies.

Intended Audience

You should attend this Mobile Application Development Overview if:

- You are a programmer and you want to understand your options for mobile development.
- You are a project manager, and you want to evaluate the best mobile app technology for your team.
- You are a technical manager, and you want to be informed about the best mobile app technology options for your organisation.

Prerequisites

There are no prerequisites for the Mobile Application Technology Overview seminar. A familiarity with basic web technologies, however, will be beneficial.

Course Contents

Introduction to Mobile Application Technology

- Definition of a mobile application.
- Advantages of going mobile.
- Limitations of mobile apps.
- Cross-platform vs hybrid vs native development.
- Criteria for technology evaluation.

Apache Cordova

- Overview of Cordova.
- Cordova frameworks: Ionic, Phonegap.
- Advantages.
- Disadvantages.

JavaScript Frameworks

- The role of JavaScript frameworks.
- Advantages.

- Disadvantages.
- Comparison of frameworks: Angular, AngularJS, React, Framework 7, jQuery, Native Script.

Xamarin

- Overview of Xamarin.
- Windows Phone options.
- Advantages.
- Disadvantages.

Android

- Overview of Android.
- Advantages.
- Disadvantages.

Objective C / Swift

- Overview of native iOS technologies.
- Advantages.
- Disadvantages.

Other Topics

- Additional frameworks.
- Considerations for successful implementation.
- Preparation, planning and training for mobile app development.

*** The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*