



## Cross Platform Mobile App



**Microsoft**  
Technology  
Associate

# Cross platform mobile app development 4 days' Workshop with Microsoft Certification

## Cross Platform mobile app dev

This workshop will introduce students to cross platform mobile app dev using java script, jQuery ,html, CSS ,etc.

### Contents

- Introduction to Mobile Apps
- Cordova/ PhoneGap Introduction
- History
- Architecture
- Introduction to HTML & CSS
- Basics
- Simple website making

- Styling using CSS
- Adding functionalities using jQuery/JavaScript
- Setting up of environment
- Downloading and installing PhoneGap
- Installing PhoneGap in IDE's
- Making hello world
- Introduction and usage of Cordova/PhoneGap Build Services
- User Interface Development with jQuery Mobile
- Introduction
- Creating Pages
- GUI making
- Navigation bar, buttons, grids and Other Controls
- Persisting data between jQuery Mobile pages
- PhoneGap/Cordova API
- Movement and Location
- Detecting device movement using the accelerometer
- Obtaining device geolocation sensor information
- Retrieving map data through geolocation coordinates

### File System, Storage, and Local Databases

- Saving a file to device storage
- Opening a local file from device storage
- Displaying the contents of a directory
- Creating a local SQLite database
- Working with Audio, Images, and Video
- Recording audio within your application

### Playing audio files from the local filesystem

- Capturing video using the devices video recording

### Application

- Loading a photograph from the device's camera



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## ○ Roll/library

- Working with Your Contacts
- Listing all available contacts
- Displaying contact information for a specific individual
- Creating and saving a new contact
- Work with Native Events
- Pausing your application
- Resuming your application
- Displaying the status of the device battery levels
- Displaying network connection status

## ○ Extending PhoneGap/Cordova with Plugins

- Extending your Cordova application with a native plugin
- Extending your Cordova iOS application with a native plugin
- The plugin repository

## ○ Deploying and testing

- Compiling it to APK files
- Exporting to android device
- Testing app on Emulator
- Testing app on Device

## ○ App Store Submission

- Signing Android applications
- Submitting the app to Google Play Store
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- Working with database
- One module on Cyber and mobile security



Training | Assessment | Certification | mini Project



For Online registration please visit [payment.atsls.com](http://payment.atsls.com)

This course teaches students to develop cross platform mobile using easy to use scripting languages like HTML5, JavaScript, jQuery, and Mobile frame works like Cordova / PhoneGap

**Project work:-**Develop a App using the technologies learnt during the Industrial project training along with a group of students.



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