

## Ionic 2

### Course Summary

#### Description

To go with this course students must have the knowledge of JavaScript, angular2, HTML5 and CSS. Knowledge for Material design will be a plus.

#### Objectives

By the end of this course, students will be able to:

- Create an ionic project using CLI
- Add different platforms (iOS, Android) to target for compiled applications
- Create interactive interfaces
- Use angular2 routes in application to create navigation
- Test application in the browser and the emulator or real device
- Deploy an app to ionic server
- Testing

#### Topics

- Introduction & Set-up
- Ionic Components
- CSS Components
- Routing
- Styling
- Loaders, Modals and Popovers
- Gestures & Events
- Ionic Native
- Deployment
- Best Practices

#### Prerequisites

Students must have the knowledge of Javascript, angular2, HTML5 and CSS. Knowledge for Material design will be a plus.

#### Duration

Two days

## Ionic 2

### Course Outline

- I. Introduction & Set-up**
  - A. Installation
  - B. Install NodeJS
  - C. Install Ionic & Cordova
  - D. Creating the Ionic application
  - E. Serving the first application
  - F. Project Structure
- II. Ionic Components**
  - A. Ionic Templates
  - B. Ionic Lists & items, etc.
  - C. Scrolling components
  - D. Menus
  - E. Slides
  - F. Icons & Splash
- III. CSS Components**
  - A. Colors
  - B. Icons
  - C. Form elements e.g. Buttons, Checkbox, Inputs, etc.
  - D. Grids
  - E. Other utilities
- IV. Routing**
  - A. Creating routes to navigation through app
  - B. Transition effects
- V. Styling**
  - A. Animations
  - B. SAAS
- VI. Loaders, Modals and Popovers**
  - A. Loading
  - B. Modals
  - C. Popovers
  - D. Alerts
  - E. Toasts
- VII. Gestures & Events**
  - A. Gestures
  - B. Events
  - C. Keyboards
- VIII. Ionic Native**
  - A. Device Information
  - B. Camera
  - C. Flashlight and etc.
- IX. Deployment**
  - A. CLI and Ionic Lab Overview
  - B. Creating build
  - C. Running and emulating the application
- X. Best Practices**