

**COURSE
OVERVIEW**

SharePoint 2016, 2013, Office 365 and Office Developer Essentials

Course Overview

This course will teach students modern programming concepts needed to develop SharePoint 2013/O365 and Office apps / add-ins. They will learn essential HTML 5 concepts, including semantic mark up, CSS 3 improvements and how to programme in JavaScript. They will also be introduced to popular JavaScript libraries and frameworks such as Knockout and AngularJS. Finally, the students will use modern ASP.NET development techniques to build custom ASP.NET Web API's and ASP.NET MVC websites.

Course Duration

3 Days

Course Audience

The course is relevant to developers who want to learn about modern HTML 5, JavaScript and ASP.NET development with little previous experience.

- Some HTML experience
- New or some experience with JavaScript
- New to ASP.NET MVC and Web API

Course Modules

- HTML 5 Fundamentals
 - Overview
 - Tags and elements
 - Semantic mark up
 - Input types and forms
- CSS 3 Fundamentals
 - CSS rules and selectors
 - Styling text, lists and images
 - Layouts, navigation and forms
 - Transformations
 - Media queries
 - Browser compatibility
 - Introduction to bootstrap

- JavaScript Fundamentals
 - Variables and data
 - Objects, functions and events
 - Control flow and debugging
 - JavaScript patterns
 - Form validation
 - HTML 5 apis
- More JavaScript
 - Asynchronous calls and promises
 - Introduction to JQuery
 - Introduction to Angular/Knockout
- Modern ASP.NET Development
 - ASP.NET Web API
 - Understanding REST and media types
 - Routing
 - Working with data and validation
 - ASP.NET MVC
 - Understanding MVC
 - Controller actions
 - Filters
 - Models and views