

## Building Application using HTML5 & jQuery

**Product Code:** ST-IM-20014

**Duration:** 80 hrs

**Prerequisite:**

- Operating computer
- Knowledge of programming techniques would be an advantage

**Take Aways:**

- You will learn all the new HTML5 features to help create great Web sites and applications in a simplified but powerful way.
- HTML5 provides native support for video and audio without plug-ins, provides support for offline applications, for games with smooth interactive animations, and much more.
- This is the first course in the Web Design for Everybody specialization. Subsequent courses focus on the marketable skills of styling the page with CSS3, adding interactivity with JavaScript, JQuery and enhancing the styling with responsive design.

**Course Content**

- **Web Application Development**

Introduction to Web Development, Execution of Web Application

HTTP Introduction, HTTP Headers

- HTML

HTML Introduction , Basic Tags, Lists, Links, HTML Table, Forms

- CSS

CSS Introduction , Genral Syntax, Types of CSS, CSS class and id selectors, CSS properties, Additional Demo

- XHTML

Need and Use of XHTML

- JS

Limitations of HTML, Introduction to Scripting, JS Intro, JS Syntax, Writing first JS Program

Control statements, If-else, switch-case

Loops, while, do-while, for, for...in, JS pop-up boxes, type conversion , Array

User defined functions, Events, Event Handling

Introduction to DOM, DOM methods, DOM properties Client-side validation using DOM and RegExp

- HTML5

Need, Introduction, New tags, New attributes, Canvas and SVG

Web Storage, Application Cache, Web Workers, Geolocation

- CSS3

Need and Use, New CSS Properties, Backgrounds, Text Effects,Fonts

2D and 3D Transforms, Transitions and Animations

- jQuery

Getting Started, Installation, General Syntax

jQuery selectors, jQuery selectors with HTML, jQuery with CSS

Working with Events

Creating Custom Animations

jQuery UI plug-in

Widgets and effects with jQuery