|  |
| --- |
| **HTML5 Basic** |
| 2 days |

|  |  |
| --- | --- |
| **Introduction** | Participants will learn how to use the basic HTML5 features to author powerful web pages. |
| **Learning Objectives** | * Learn the major benefits of HTML5 * Write applications using HTML5, and JavaScript(Jquery) * Build applications with rich and interactive UI * Solve complex problems using HTML5 which otherwise was difficult with HTML4 * Understand how HTML 5 fits into smart phone and tablet based applications |
| **Prerequisites** | HTML, XML and Javascript, JQuery |
| **Hardware/Software** | * Microsoft Windows Vista Professional / Windows 7 Ultimate * Preferred Google Chrome, Mozilla Firefox (Latest versions) and Internet Explorer 9 * Aptana Standalone Studio 3 * Aptana Standalone Studio plugin for Eclipse * Apache Tomcat Server 6.x or higher * Eclipse JEE Indigo/Juno * Visual Studio 2012 * MySQL Server 5.x * Ms office 2007 or above * Internet Connection |
| **Recommended Books** | [HTML5 & CSS3 For The Real World](http://search.safaribooksonline.com/book/web-development/9780980846904), [HTML5 Cookbook](http://search.safaribooksonline.com/book/-/9781449318444),  [Fifth Edition](http://search.safaribooksonline.com/book/web-development/css/9780131389892), |
| **Relevant Trainings** | RBT Jquery, RBT Ajax and DHTML, CSS3, HTML5 Intermediate |
| **Remarks, If any.** |  |

|  |  |  |
| --- | --- | --- |
| **Contents** | | **Weightage%** |
| **Module1: Getting Started With HTML5** | * + Overview of new features in HTML5   + Handling browser support issues   + Feature detection on browsers   + HTML5 on mobiles   + Developer Tools | 7% |
| **Module2: Structure Of A Web Page** | * + HTML5 DOCTYPE   + Page Encoding   + HTML5 Markup     - New And Updated Elements     - Structural Elements     - New Attributes     - Deprecated Elements And Attributes     - Text Formatting Tags   + Browser Support |
| **Module 3: CSS3 Basics** | * + Selective Styling   + [Working with Pseudo-classes](http://search.safaribooksonline.com/book/web-development/css/9780131389892/selective-styling/ch04lev1sec3)   + Working with Pseudo elements | 10% |
| **Module 4: Working with Text, Color, Background and Table** | * + CSS3 Font and Text properties   + CSS3 Color and Background properties   + CSS3 List and Table properties |
| **Module 5: Layout your Webpages** | * + CSS3 Box properties   + CSS3 display, float, margin, position properties   + Multi column layout |
| **Module 6: CSS3 Visual Formatting, Transformation and Transition Properties** | * + Stacking objects   + Using shadow and Opaque properties   + [Transforming an Element](http://search.safaribooksonline.com/book/web-development/css/9780131389892/transformation-and-transition-properties/ch12lev1sec1)   + [Adding Transitions Between Element States](http://search.safaribooksonline.com/book/web-development/css/9780131389892/transformation-and-transition-properties/ch12lev1sec2) |
| **Module 7: Forms** | * + New Form elements   + New Input Types   + New Attributes   + Form Validation   + Browser Support | 4% |
| **Module 8: HTML5 Data Storage** | * + Problems with the existing Cookie-based Model   + New Storage Options   + Web Storage API   + Browser Support |
| **Module 9: Audio And video** | * + The State of Web Audio And Video Based On Plugins   + New Audio/Video Markup   + Attributes And Methods   + Understanding Audio/Video Events | 9% |
| **Module 10: HTML5 Web Workers** | * + The Current JavaScript Execution Model   + Introduction To Web Workers   + Usage Of Web Workers |
| **Module 11: HTML5 Geolocation** | * + Introduction to Geolocation   + Mechanisms used to find geolocation   + The Position Object   + Handling Errors   + Working with GoogleMaps |
|  | **Total** | **30%** |