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| |  | | --- | | **Training Program on Responsive Web Design** | |  | | *Application deadline expired!* | | |
| |  | | --- | |  | | **Training Program on Responsive Web Design**    **Who This Course Is for**  For interactive developers and software engineers who want to fully understand the building blocks of web.  **Learning Objectives**  **After completion of this course, students will be able to:**   * Achieve the insight on HTML and CSS Visual Formatting Model * Learn Responsive Web Design principles, Responsive versus Adaptive design, Progressive Enhancement, Mobile First design, and Responsive Web Design Breakpoints * Learn JavaScript and the jQuery Framework * Twitter Bootstrap and ZURB Foundation ( the most popular responsive CSS Frameworks )   **Course Overview**  This course is for anyone involved in the Web—from business owners to agency designers, corporations to developers—who want to learn the fundamentals of Responsive Web Design, familiar with the responsive frameworks including key concepts on HTML, CSS, JavaScript and jQuery    **Target Audience**  1.      This course is designed for anyone who is dedicated and wants to build career on web development.  2.      Graphics Designers who want to advance their skill set to the next level.  3.      Programmers who has to work on frontend as well.  **Prerequisites**  ·         Adequate Knowledge on HTML & CSS.  ·         Dedication  **This is NOT**  ·         HTML & CSS Learning Course but the key concepts will be discussed.  **Duration: 120 hours**  **Class Schedule:**  Three days in a week.  Saturday, Monday, Wednesday (9:00am-12pm)  **Registration Fee:** 8,000BDT  **Class will be started from: 18th**November,2013  **Last date of the online registration: 7th November**,2013    **Responsive web design** (**RWD**) is a [web design](http://en.wikipedia.org/wiki/Web_design) approach aimed at crafting sites to provide an optimal viewing experience—easy reading and navigation with a minimum of resizing, panning, and scrolling—across a wide range of devices (from mobile phones to desktop computer monitors).  01.Revisiting HTML5   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **2** | **Estimated Time:** | **5 hrs** |  |  |   **Key Concepts**   * Overview on Visual Formatting Model * Understanding The Normal Flow * Layered Presentation * Exercise: A well structured document   02.Revisiting CSS3   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **3** | **Estimated Time:** | **10 hrs** |  |  |   **The CSS3 Box Model**   * Introduction to CSS3 Box Model * Difference between CSS3 and CSS2 box models * CSS Positioning   03.Responsive Web Design   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **3** | **Estimated Time:** | **20 hrs** |  |  |   **Concepts**   * Overview and responsive type * Media queries * Fluid images * Layout patterns, grids * Multi-column responsive grids   **RWD in Action**   * Visible page measurements * Responsive navigation * Fluid video * Responsive forms * Responsive tables * Responsive images   04.Javascript   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **4** | **Estimated Time:** | **30 hrs** |  |  |   **JAVASCRIPT CORE**  ·         **Basics:**whitespace**,**name, number, string, statement, expressions, literal, function  ·         **Objects:**Object literal, retrieval**,**update, reference , reflection, prototype  ·         **Functions**: Function object, Function literal, invocation, argument, return, exception, recursion, scope, closure, callback, module, cascade  ·         **Arrays:**Array literal, length, delete, enumeration, method  ·         **JSON**  **Browser Object Model**  ·         The window object  ·         Cross window communication  ·         Navigation  ·         Window geometry  ·         The document object  **Javascript Events**  ·         Browser incompatibilities  ·         The events  ·         Event handler registration  ·         Event bubbling & capturing  ·         The event object & its properties  ·         Targeting  **Document Object Model**  ·         Concepts  ·         Finding elements  ·         Node information  ·         Changing the document tree  ·         Creating and cloning elements  ·         innerHTML  ·         Attributes  ·         Text nodes  ·         Forms and the DOM  05.The most popular Library: jQuery   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **5** | **Estimated Time:** | **20 hrs** |  |  |  |  | | --- | | ·         Selectors  ·         Events  ·         Effects  ·         DOM manipulation  ·         AJAX |   06.Responsive Web Design with Twitter Bootstrap   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **6** | **Estimated Time:** | **20 hrs** |  |  |   ·         Introduction  ·         Grid system  ·         Layout  ·         Responsive Design  ·         Typography  ·         Tables  ·         Forms  ·         Icons  ·         Tabs and pills based navigation  ·         Navbar  ·         Inline labels and badges  ·         Thumbnails  ·         Progress bars  ·         Breadcrumbs  ·         Pagination  ·         Alerts and Errors  ·         Twitter Bootstrap with Less  **JavaScript Plugins**  ·         Modals  ·         Popover  ·         Dropdown  ·         scrollspy  ·         Carousel  ·         Typehead  ·         Button  07.ZURB Foundation   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Iteration:** | **7** | **Estimated Time:** | **15 hrs** |  |  |   ·         Why a framework? Why Foundation?  ·         Why will we use a framework?  ·         What is Foundation 4 offering us?  ·         Creating main page.  ·         Creating layout of main page.  ·         Adding design elements to main  ·         Adding content to main page | |  | | |
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| **Resource Person:** | |
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