

Certificate in Web Design

Course Curriculum

www.hiitonlinetraining.com

Course Overview: *This course will teach students how to design website applications using HTML5, CSS3, JavaScript and Twitter Bootstrap. At the end of the course, graduates will be able to take on tasks and job opportunities as Front-End Web Developer.*

MODULE	TOPIC	OBJECTIVES
1. Learning HTML and CSS	1. Introduction to HTML	At the end of this Module, you will understand: the basic structure of a website; the common HTML tags and their uses; the Cascading StyleSheet and; develop a simple web page.
	2. Structure of a website	
	3. Our first website	
	4. HTML tags: Headings	
	5. HTML tags: Paragraphs	
	6. HTML tags: Links	
	7. HTML tags: Images	
	8. HTML tags: Ordered and Unordered Lists	
	9. HTML tags: Tables	
	10. HTML tags: Forms (1)	
	11. HTML Tags: Forms (2)	
	12. Introduction to CSS	
	13. Inline CSS	
	14. Internal CSS	
	15. External CSS	
	16. Classes and IDs	
	17. Box Model: Padding, Margin and Border	
	18. Working with the background.	
	19. Floating	
	20. Positioning	
	21. Display	
	22. Working with Texts	
	23. Styling lists	
	24. Styling links	
	25. Gradients	
	26. Quiz: HTML and CSS	
	27. Project 1: Nice Maths Tutorial Website	

MODULE	TOPIC	OBJECTIVES
2: Learning JavaScript	<ol style="list-style-type: none"> 1. Introduction to JavaScript 2. Getting started 3. Change HTML Content 4. Change HTML Style 5. Variables and Data Types 6. Activity 1: Generating Random Color 7. Functions 8. Objects 9. Using the "new" keyword to create objects 10. Constructors 11. Arrays 12. Control Statements: If and if...else 13. Control Statements: For loops 14. Control Statements: While loops 15. Regular Expressions 16. Password validation 17. setInterval and setTimeout Functions: Create a simple counter 18. Alert Boxes 19. Quiz: JavaScript 20. Project 2: Maths Game 	<p>At the end of this Module, you will understand what JavaScript is and how it is used in the design of web applications. You will also develop a simple maths game.</p>
3: Learning Twitter Bootstrap	<ol style="list-style-type: none"> 1. Introduction to Twitter Bootstrap 2. The Grid System 3. Typography 4. Tables 5. Forms(1) 6. Forms (2) 7. Buttons 8. Images 9. Navs 10. Navbars 11. Pagination 12. Jumbotron 13. Thumbnails 14. Dropdown menus 15. Modals(1) 16. Modals(2) 17. Tabs 18. Carousels 19. Project 3: Awesome App Landing Page 20. Bootstrap Quiz 	<p>At the end of this Module, you will understand how Bootstrap works in the creation of responsive web pages.</p>

MODULE	TOPIC	OBJECTIVES
4: Project Design: Online Notes App	1. Design the Homepage	At the end of this Module, you will be able to design a simple online note application which uses all the frameworks described in previous modules - HTML, CSS, JavaScript and Bootstrap.
	2. Create a note	
	3. Saving a note	
	4. Modifying a note	
	5. Deleting a note	
	6. Wrap Up	





