

# Training on Website Development (Weekdays)



**Weblink:** [www.topsiteinfotech.com/website-development](http://www.topsiteinfotech.com/website-development)

**Duration/Time:**

4 Weekdays (12days)

(Mon, Wed and Fri) - 10am – 3pm

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**Training Centre:**

Top Floor, 19, Odunlami Street, Near Access Bank,  
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# Day 1 - Monday

<b>JavaScript Part1</b>	<b>10am – 2pm</b>
<b>Intro to JavaScript</b> <ul style="list-style-type: none"> <li>• Intro to Programming Language</li> <li>• Client vs Server Programming</li> <li>• Language of the web</li> <li>• History of JS</li> <li>• What JS can do</li> <li>• Statements</li> <li>• Variables &amp; Variable Names</li> <li>• Primitive Data types</li> <li>• Expressions</li> <li>• Comments</li> </ul>	<b>10am – 11am</b>
<b>Functions</b> <ul style="list-style-type: none"> <li>• Functions</li> <li>• Beware: Circular Dependencies</li> <li>• Arguments</li> <li>• Return Values</li> <li>• Variable Scope</li> <li>• Practice</li> </ul>	<b>11am – 12pm</b>
<b>Conditional Statements</b> <ul style="list-style-type: none"> <li>• Coding Conventions</li> <li>• Control flow + More Data Types</li> <li>• Review: Terminology The if statement</li> <li>• Comparison Operators</li> <li>• Truthy vs Falsey</li> <li>• Short-Circuit Evaluation</li> <li>• The if/else statement</li> <li>• The if/else if/else statement</li> <li>• The while loop</li> <li>• The for loop</li> <li>• The break statement</li> </ul>	<b>12pm – 2pm</b>
<b>Practical</b>	<b>2pm – 3pm</b>

Day 2 - Wednesday	
<b>JavaScript Part 2</b>	<b>10am – 2pm</b>
<b>JS Objects</b> <ul style="list-style-type: none"> <li>• Objects</li> <li>• Objects Access</li> <li>• Changing Objects</li> <li>• Objects as Arguments</li> <li>• Object methods</li> <li>• Built in Objects</li> <li>• JS in HTML</li> <li>• Changing Objects</li> <li>• Objects as Arguments</li> <li>• Object methods</li> <li>• Built in Objects</li> </ul>	<b>10am – 11am</b>
<b>Document Object Model (DOM)</b> <ul style="list-style-type: none"> <li>• The DOM Tree</li> <li>• DOM Inspecting</li> <li>• DOM Access</li> <li>• DOM Access: Easier</li> <li>• DOM Access: HTML 5</li> <li>• DOM Nodes: Attributes</li> <li>• DOM Nodes: Styles</li> <li>• DOM innerHTML</li> <li>• DOM Modifying</li> </ul>	<b>11am – 12pm</b>
<b>Animation and Events</b> <ul style="list-style-type: none"> <li>• The Window Object</li> <li>• Animation in JS</li> <li>• Animating styles</li> <li>• Stopping an animation</li> <li>• Why we need events</li> <li>• Adding Events Listeners</li> <li>• Event Types</li> <li>• Event Properties</li> <li>• Processing form input</li> <li>• Waiting for window "load"</li> <li>• JS Best Practices</li> </ul> <b>JQuery Library</b>	<b>12pm – 2pm</b>
<b>Practical</b>	<b>2pm – 3pm</b>

## Day 3 - Friday

### PHP Part 1

10am – 2pm

#### Fundamentals of PHP

10am – 12pm

- Introduction to PHP
- Online Server vs Localhost
- Installing Localhost Server
- Configuring Server
- PHP Syntax
- Variables
- Outputting using Echo / Print
- Data Types
- Floating Points numbers
- Strings Manipulation
- Constants
- Operators and Usage

#### Conditional Logic

12pm – 2pm

- If Statements
- Using If Statements
- if ... else
- if ... else if
- Comparison Operators
- NOT Equal To
- Less Than and Greater Than
- What these mean: <=, >=
- The Switch Statement
- Logical Operators
- Boolean Values
- Operator Precedence - a List

### Practical

2pm – 3pm

## Day 4 – Monday

### PHP Part 2

10am – 2pm

#### Working with HTML Forms

10am – 12pm

- The HTML Form
- The Method Attribute
- The Post Attribute
- The Action Attribute
- The Submit button
- Getting values from a Text Box
- Checking if the Submit button was clicked
- Keep data the user entered
- PHP and Radio Buttons
- PHP and Checkboxes

#### Programming Loops

12pm – 2pm

- For Loops
- A Times Table Programme
- The Code for the PHP Times Table
- While Loops
- Do ... While loops
- The break statement

### Practical

2pm – 3pm

<b>Day 5 - Friday</b>	
<b>PHP and MySQL Part 1</b>	<b>10am – 2pm</b>
<b>String Manipulation</b> <ul style="list-style-type: none"><li>• Changing Case</li><li>• Trimming White Space</li><li>• Shuffle characters</li><li>• Finding String Positions with strpos</li><li>• Splitting a line of text</li><li>• Joining text into a single line</li><li>• PHP and Escaping</li><li>• String function list</li></ul>	<b>10am – 12pm</b>
<b>Arrays in PHP</b> <ul style="list-style-type: none"><li>• What is an Array?</li><li>• Setting up an Array in PHP</li><li>• Getting at the values stored in Arrays</li><li>• Arrays - Using Text as Keys</li><li>• Arrays and For Each</li><li>• Sorting Array values</li><li>• Random Keys from an Array</li><li>• The count function</li><li>• Some Array Scripts</li></ul>	<b>12pm – 2pm</b>
<b>Practical</b>	<b>2pm – 3pm</b>

<b>Day 6 – Wednesday</b>	
<b>String Manipulation and Functions</b>	<b>10am – 2pm</b>
<b>Date and Time Functions in PHP</b> <ul style="list-style-type: none"><li>• The date() function</li><li>• Using the date() function</li><li>• The getdate() Function</li></ul>	<b>10am – 11am</b>
<b>Create your own Functions</b> <ul style="list-style-type: none"><li>• An Introduction to Functions</li><li>• Variable scope and functions</li><li>• Functions and Arguments</li><li>• A Function to check for blank text boxes</li><li>• Getting values out of functions</li><li>• By Ref, By Val</li></ul>	<b>11am – 12pm</b>
<b>The library/Built-in Functions</b> <ul style="list-style-type: none"><li>• PHP Server Variables</li><li>• HTTP Header() Function</li><li>• The INCLUDE() Function</li></ul>	<b>12pm – 2pm</b>
<b>Practical</b>	<b>2pm – 3pm</b>

<b>Day 7 - Friday</b>	
<b>PHP and MySQL Part 1</b>	<b>10am – 2pm</b>
<b>MySQL Database with PHPMyAdmin</b> <ul style="list-style-type: none"><li>• What you need</li><li>• Creating a database using phpMyAdmin</li><li>• Creating a Database Table</li><li>• Renaming a Table or Database</li><li>• Setting up Fields in database tables</li><li>• Field Data Types</li><li>• Concept of Index</li><li>• Uniqueness of Record</li><li>• Primary and Foreign Key</li></ul>	<b>10am – 12pm</b>
<b>Field and Record Manipulation</b> <ul style="list-style-type: none"><li>• Adding records to a MySQL Table</li><li>• Deleting a Record from MySQL Table</li><li>• Renaming a Field</li><li>• Backup Database (Import and Export)</li></ul>	<b>12pm – 2pm</b>
<b>Practical</b>	<b>2pm – 3pm</b>



<b>Day 8 - Monday</b>	
<b>PHP and MySQL Part 2</b>	<b>10am – 2pm</b>
<b>Manipulate a MySQL Database from PHP</b> <ul style="list-style-type: none"><li>• Access a MySQL database with PHP code</li><li>• Reading records from a MySQL database</li><li>• Adding records to a MySQL database</li><li>• Magic Quotes</li><li>• SQL injection</li><li>• Create a Table using SQL</li><li>• Updating a record in a table</li><li>• Deleting a record in a table</li><li>• Using WHERE to limit the data returned</li></ul>	<b>10am – 12pm</b>
<b>PHP User Authentication</b> <ul style="list-style-type: none"><li>• PHP User Authentication – Introduction</li><li>• The login page</li><li>• Checking if the user is logged on</li><li>• Log Out</li><li>• Register a new user</li><li>• Other considerations</li></ul>	<b>12pm – 2pm</b>
<b>Practical</b>	<b>2pm – 3pm</b>

## Day 9 - Wednesday

### Content Mgt. System (CMS) using WordPress

**10am – 2pm**

#### Introduction

- Introduction to CMS
- Installing Wordpress
- Login to Admin
- Dashboard Menu Options
- Tool bar
- Post and Pages

#### Adding content to your site

- Adding a new page
- Adding a new post
- Adding content with visual editor
- Changing your post format
- Reviewing past revisions
- Editing existing Page and Post
- Deleting Page and Post
- Categories

#### Adding images and other media

- Inserting an image
- Editing or deleting image
- Setting a featured image
- Inserting image gallery
- Edit or delete image gallery
- Inserting Video, audio and other file types
- Embedding a Video, image or Other content

**10am – 12pm**

#### Adding HTML links

- Inserting an HTML link
- Inserting links to Media files
- Editing HTML link
- Removing HTML link

#### Media Library

- Viewing a file in the media library
- Adding a file to the media library
- Editing the file properties
- Editing an image
- Deleting a file from media library

**12pm – 1pm**

<p><b>Theme and Appearance</b></p> <ul style="list-style-type: none"> <li>• Appearance</li> <li>• Selecting your theme</li> <li>• Previewing and customizing your theme</li> <li>• Widgets</li> <li>• Working with Menu</li> <li>• Adding a custom link menu item</li> <li>• Managing menu location</li> <li>• Plugins</li> </ul> <p><b>Managing Users</b></p> <ul style="list-style-type: none"> <li>• Adding a new user</li> <li>• Deleting a user</li> <li>• Editing your profile</li> <li>• Permalink</li> </ul>	<p><b>1pm – 2pm</b></p>
<p><b>Practical</b></p>	<p><b>2pm – 3pm</b></p>

<p><b>Day 10 - Friday</b></p>	
<p><b>WordPress E-Commerce</b></p>	<p><b>10am – 2pm</b></p>
<ul style="list-style-type: none"> <li>• woocommerce Plugin</li> <li>• Installing woocommerce Plugin</li> <li>• Configuring woocommerce Plugin</li> <li>• Setting up key woocommerce Page such as Shop, Checkout, Account, Cart</li> <li>• Adding Product and Product Category</li> <li>• Managing Ordering and Coupon Creation</li> <li>• Setting up Shipping Method</li> <li>• Setting up Payment method</li> <li>• Integrating Online Payment Gateway (InterSwitch, GTPay or VoguePay via Plugin)</li> </ul>	
<p><b>Practical Session</b></p>	<p><b>2pm – 3pm</b></p>

## Day 11 - Friday

<b>Website Domain &amp; Hosting</b>	<b>10am – 1pm</b>
<ul style="list-style-type: none"><li>• Introduction</li><li>• Registering a Domain Name</li><li>• Choosing a Hosting Plan</li><li>• Prepare your Website for Upload</li><li>• Optimize your Website Images</li><li>• Upload the Site Using Control Panel</li><li>• Upload the Site Using FTP</li><li>• Create online Database of your site</li><li>• Upload Database of your Site</li><li>• Uploading Wordpress (CMS) Site</li><li>• Creating a Custom Domain</li><li>• Managing the Custom Domain</li></ul>	
<b>Revision/Practical Session</b>	<b>1pm – 3pm</b>

## Day 12 - Friday

<b>Project Work</b>	<b>10am – 2pm</b>
<p>You will build one of the following:</p> <ul style="list-style-type: none"><li>• Online School Portal</li><li>• Guest Room Reservation Portal</li><li>• Online Store</li></ul>	
<b>Group Picture &amp; Presentation of Certificate</b>	<b>2pm – 3pm</b>