

Training on Website Development (Weekends)



Weblink: www.topsiteinfotech.com/website-development

Duration/Time:

5 Weekends (10days)

(Sat, 10am – 4pm) & (Sun, 2pm – 5pm)

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Training Centre:

Top Floor, 19, Odunlami Street, Near Access Bank,
Somolu-Bajulaiye, Lagos, Nigeria.

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| Day 1 - Saturday | |
|---|--------------------|
| JavaScript Part1 | 10am – 3pm |
| Intro to JavaScript <ul style="list-style-type: none"> • Intro to Programming Language • Client vs Server Programming • Language of the web • History of JS and What JS can do • Statements, Variables & Variable Names • Primitive Data types • Expressions, Comments | 10am – 11am |
| Functions <ul style="list-style-type: none"> • Functions • Beware: Circular Dependencies • Arguments • Return Values • Variable Scope • Practice | 11am – 12pm |
| Conditional Statements <ul style="list-style-type: none"> • Coding Conventions • Control flow + More Data Types • Review: Terminology The if statement • Comparison Operators • Truthy vs Falsey • Short-Circuit Evaluation • The if/else statement, if/else if/else statement • The while loop, The for loop • The break statement | 12pm – 2pm |
| JS Objects <ul style="list-style-type: none"> • Objects, Objects Access • Changing Objects • Objects as Arguments • Object methods, Built in Objects • JS in HTML • Objects as Arguments • Object methods • Built in Objects | 2pm – 3pm |
| Practical | 3pm – 4pm |

Day 2 - Sunday

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| JavaScript Part 2 | 2pm – 4pm |
| Document Object Model (DOM) <ul style="list-style-type: none">• The DOM Tree• DOM Inspecting• DOM Access• DOM Access: Easier• DOM Access: HTML 5• DOM Nodes: Attributes• DOM Nodes: Styles• DOM innerHTML• DOM Modifying | 2pm – 3pm |
| Animation and Events <ul style="list-style-type: none">• The Window Object• Animation in JS• Animating styles• Stopping an animation• Why we need events• Adding Events Listeners• Event Types• Event Properties• Processing form input• Waiting for window "load"• JS Best Practices JQuery Library | 3pm – 4pm |
| Practical | 4pm – 5pm |

Day 3 - Saturday

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| PHP Part 1 | 10am – 3pm |
| Fundamentals of PHP <ul style="list-style-type: none"> • 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 | 10am – 12pm |
| Conditional Logic <ul style="list-style-type: none"> • 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 | 12pm – 2pm |
| Programming Loops <ul style="list-style-type: none"> • For Loops • A Times Table Programme • The Code for the PHP Times Table • While Loops • Do ... While loops • The break statement | 2pm – 3pm |
| Practical | 3pm – 4pm |

Day 4 – Sunday

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| PHP Part 2 | 2pm – 4pm |
| Working with HTML Forms <ul style="list-style-type: none">• 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 | 2pm – 4pm |
| Practical | 4pm – 5pm |

| <h2>Day 5 - Saturdays</h2> | |
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| String Manipulation and Arrays | 10am – 2pm |
| String Manipulation <ul style="list-style-type: none"> • Changing Case • Trimming White Space • Shuffle characters • Finding String Positions with strpos • Splitting a line of text • Joining text into a single line • PHP and Escaping • String function list | 10am – 11am |
| Arrays in PHP <ul style="list-style-type: none"> • What is an Array? • Setting up an Array in PHP • Getting at the values stored in Arrays • Arrays - Using Text as Keys • Arrays and For Each • Sorting Array values • Random Keys from an Array • The count function • Some Array Scripts | 11am – 12pm |
| Date and Time Functions in PHP <ul style="list-style-type: none"> • The date() function • Using the date() function • The getdate() Function | 12pm – 1pm |
| Create your own Functions <ul style="list-style-type: none"> • An Introduction to Functions • Variable scope and functions • Functions and Arguments • A Function to check for blank text boxes • Getting values out of functions • By Ref, By Val The library/Built-in Functions <ul style="list-style-type: none"> • PHP Server Variables • HTTP Header() Function • The INCLUDE() Function | 1pm – 3pm |
| Practical | 3pm – 4pm |

| Day 6 - Sunday | |
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| PHP and MySQL Part 1 | 2pm – 4pm |
| MySQL Database with PHPMyAdmin <ul style="list-style-type: none">• What you need• Creating a database using phpMyAdmin• Creating a Database Table• Renaming a Table or Database• Setting up Fields in database tables• Field Data Types• Concept of Index• Uniqueness of Record• Primary and Foreign Key | 2pm – 3pm |
| Field and Record Manipulation <ul style="list-style-type: none">• Adding records to a MySQL Table• Deleting a Record from MySQL Table• Renaming a Field• Backup Database (Import and Export) | 3pm – 4pm |
| Practical | 4pm – 5pm |

| <h2>Day 7 – Saturday</h2> | |
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| PHP and MySQL Part 2 | 10am – 3pm |
| Manipulate a MySQL Database from PHP <ul style="list-style-type: none"> • Access a MySQL database with PHP code • Reading records from a MySQL database • Adding records to a MySQL database • Magic Quotes • SQL injection • Create a Table using SQL • Updating a record in a table • Deleting a record in a table • Using WHERE to limit the data returned | 10am – 12pm |
| PHP User Authentication <ul style="list-style-type: none"> • PHP User Authentication – Introduction • The login page • Checking if the user is logged on • Log Out • Register a new user • Other considerations | 12pm – 2pm |
| Website Domain and Hosting <ul style="list-style-type: none"> • Introduction • Registering a Domain Name • Choosing a Hosting Plan • Prepare your Website for Upload • Optimize your Website Images • Upload the Site Using Control Panel • Upload the Site Using FTP • Create online Database of your site • Upload Database of your Site • Creating a Custom Domain • Managing the Custom Domain | 2pm – 3pm |
| Practical | 3pm – 4pm |

| Day 8 - Sunday | |
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| Content Mgt. System (CMS) using WordPress | 2pm – 4pm |
| <p>Introduction</p> <ul style="list-style-type: none"> • Introduction to CMS • Installing Wordpress • Login to Admin • Dashboard Menu Options • Tool bar • Post and Pages <p>Adding content to your site</p> <ul style="list-style-type: none"> • 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 <p>Adding images and other media</p> <ul style="list-style-type: none"> • 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 | 2pm – 4pm |
| Revision/Practical Session | 4pm – 5pm |

| <h2>Day 9 - Saturday</h2> | |
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| Content Mgt. System (CMS) using WordPress | 10am – 3pm |
| <p>Adding HTML links</p> <ul style="list-style-type: none"> • Inserting an HTML link • Inserting links to Media files • Editing HTML link • Removing HTML link <p>Media Library</p> <ul style="list-style-type: none"> • 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 <p>Theme and Appearance</p> <ul style="list-style-type: none"> • Appearance • Selecting your theme • Previewing and customizing your theme • Widgets and Plugins • Working with Menu • Adding a custom link menu item • Managing menu location <p>Managing Users</p> <ul style="list-style-type: none"> • Adding a new user and Deleting a user • Editing your profile • Permalink | 10am – 12pm |
| <p>WordPress E-Commerce</p> <ul style="list-style-type: none"> • woocommerce Plugin • Installing woocommerce Plugin • Configuring woocommerce Plugin • Setting up key woocommerce Page such as Shop, Checkout, Account, Cart • Adding Product and Product Category • Managing Ordering and Coupon Creation • Setting up Shipping Method • Setting up Payment method • Integrating Online Payment Gateway (InterSwitch, GTPay or VoguePay via Plugin) | 12pm – 2pm |
| Practical and Project Work | 2pm – 4pm |

| Day 10 - Sunday | |
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| Project Work Continue | 2pm – 4pm |
| You will build one of the following: <ul style="list-style-type: none">• Online School Portal• Guest Room Reservation Portal• Online Store | |
| Group Picture & Presentation of Certificate | 4pm – 5pm |