

Nxtlogic Software Solutions

No.273, Peranaidu Layout, Ram Nagar,
Gandhipurm, Coimbatore.

98 946 94 339 | 99 52 52 84 51.

www.nxtproject.com | www.nxtlogic.com

Introduction of Web & PHP

- What is PHP?
- The history of PHP
- Why choose PHP?
- Installation overview

First Steps

- Embedding PHP code on a page
- Outputting dynamic text
- The operational trail
- Inserting code comments

Exploring Data Types

- Variables
- Strings
- String functions
- Numbers part one: Integers
- Numbers part two: Floating points
- Arrays
- Associative arrays
- Array functions
- Booleans
- NULL and empty
- Type juggling and casting
- Constants

Control Structures: Logical Expressions

- If statements
- Else and elseif statements
- Logical operators
- Switch statements

Control Structures: Loops

- While loops
- For loops
- Foreach loops
- Continue
- Break
- Understanding array pointers

User-Defined Functions

- Defining functions
- Function arguments
- Returning values from a function
- Multiple return values
- Scope and global variables
- Setting default argument values

Debugging

- Common problems
- Warnings and errors
- Debugging and troubleshooting

Building Web Pages with PHP

- Links and URLs
- Using GET values
- Encoding GET values
- Encoding for HTML
- Including and requiring files
- Modifying headers
- Page redirection
- Output buffering

Working with Forms and Form Data

- Building forms
- Detecting form submissions
- Single-page form processing
- Validating form values
- Problems with validation logic
- Displaying validation errors

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Working with Cookies and Sessions

- Working with cookies
- Setting cookie values
- Reading cookie values
- Unsetting cookie values
- Working with sessions

MySQL Basics

- MySQL introduction
- Creating a database
- Creating a database table
- CRUD in MySQL
- Populating a MySQL database
- Relational database tables
- Populating the relational table

Using PHP to Access MySQL

- Database APIs in PHP
- Connecting to MySQL with PHP
- Retrieving data from MySQL
- Working with retrieved data
- Creating records with PHP
- Updating and deleting records with PHP
- SQL injection
- Escaping strings for MySQL
- Introducing prepared statements

Building a Content Management System (CMS)

- Blueprinting the application
- Building the CMS database
- Establishing your work area
- Creating and styling the first page
- Making page assets reusable
- Connecting the application to the database

Using Site Navigation to Choose Content

- Adding pages to the navigation subjects
- Refactoring the navigation
- Selecting pages from the navigation
- Highlighting the current page
- Moving the navigation to a function

Application CRUD

- Finding a subject in the database
- Refactoring the page selection
- Creating a new subject form
- Processing form values and adding subjects
- Passing data in the session
- Validating form values
- Creating an edit subject form
- Using single-page submission
- Deleting a subject
- Cleaning up
- Assignment: Pages CRUD
- Assignment results: Pages CRUD

Building the Public Area

- The public appearance
- Using a context for conditional code
- Adding a default subject behaviour
- The public content area
- Protecting page visibility

Regulating Page Access

- User authentication overview
- Admin CRUD
- Encrypting passwords
- Salting passwords
- Adding password encryption to CMS
- New PHP password functions
- Creating a login system
- Checking for authorization
- Creating a logout page

Advanced PHP Techniques

- Using variable variables
- Applying more array functions
- Building dates and times: Epoch/Unix
- Formatting dates and times: Strings and SQL
- Setting server and request variables
- Establishing global and static variable scope
- Making a reference assignment
- Using references as function arguments
- Using references as function return values

Introduction to Object-Oriented Programming (OOP)

- Introducing the concept and basics of OOP
- Defining classes
- Defining class methods
- Instantiating a class
- Referencing an instance
- Defining class properties

OOP in Practice

- Understanding class inheritance
- Setting access modifiers
- Using setters and getters
- Working with the static modifier
- Reviewing the scope resolution operator
- Referencing the Parent class
- Using constructors and destructors
- Cloning objects
- Comparing objects

Working with Files and Directories

- File system basics
- Understanding file permissions
- Setting file permissions
- PHP permissions
- Accessing files
- Writing to files
- Deleting files
- Moving the file pointer

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- Reading files
- Examining file details
- Working with directories
- Viewing directory content

Sending Emails

- Configuring PHP for email
- Sending email with mail()
- Using headers
- Reviewing SMTP
- Using PHPMailer

Course Duration: 45 Days / Per day 2 Hours.

Customization

Fast Track Course

Regular Track Course

One to One Training

Batch Training (2-3 Students)

Course Features:

Real Time Hands on Trainers

Study Material Soft and Hard Copy

Daily Assignments

Real Time Examples

Running Notes

Course Completion Certificate.

Course Fee:

Available on Registration