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PHP++

STEP BY STEP PROFICIENT PHP LEARNING PROGRAMM



AJAX Simply a new technique for creating better, faster, and more interactive web application. AJAX uses JavaScript to send and receive data between a web server. The AJAX technique makes web pages more responsive by exchanging data with the web server behind the scenes, instead of reloading an entire web page each time a user makes a change.



Joomla! JOOMLA is an award-winning content management system (CMS), which enable you to build Web sites and powerful online application. Many aspects, including its ease-of-use and extensibility, have made JOOMLA the most popular web site software.

6
Months
Project Training

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CAKE PHP is a rapid development framework for PHP that provide an extensible architecture for developing, maintaining, and developing application. Using commonly Known design patterns like MVC and ORM within the convention over configuration

Paradigm, CAKE PHP reduces development costs and help developers write less code.



SMARTY It provides an architecture, components and tools for developers to build complex web application faster, Choosing Framework allows you to release your application Earlier host and scale them without problem, and maintain them over time with no surprise



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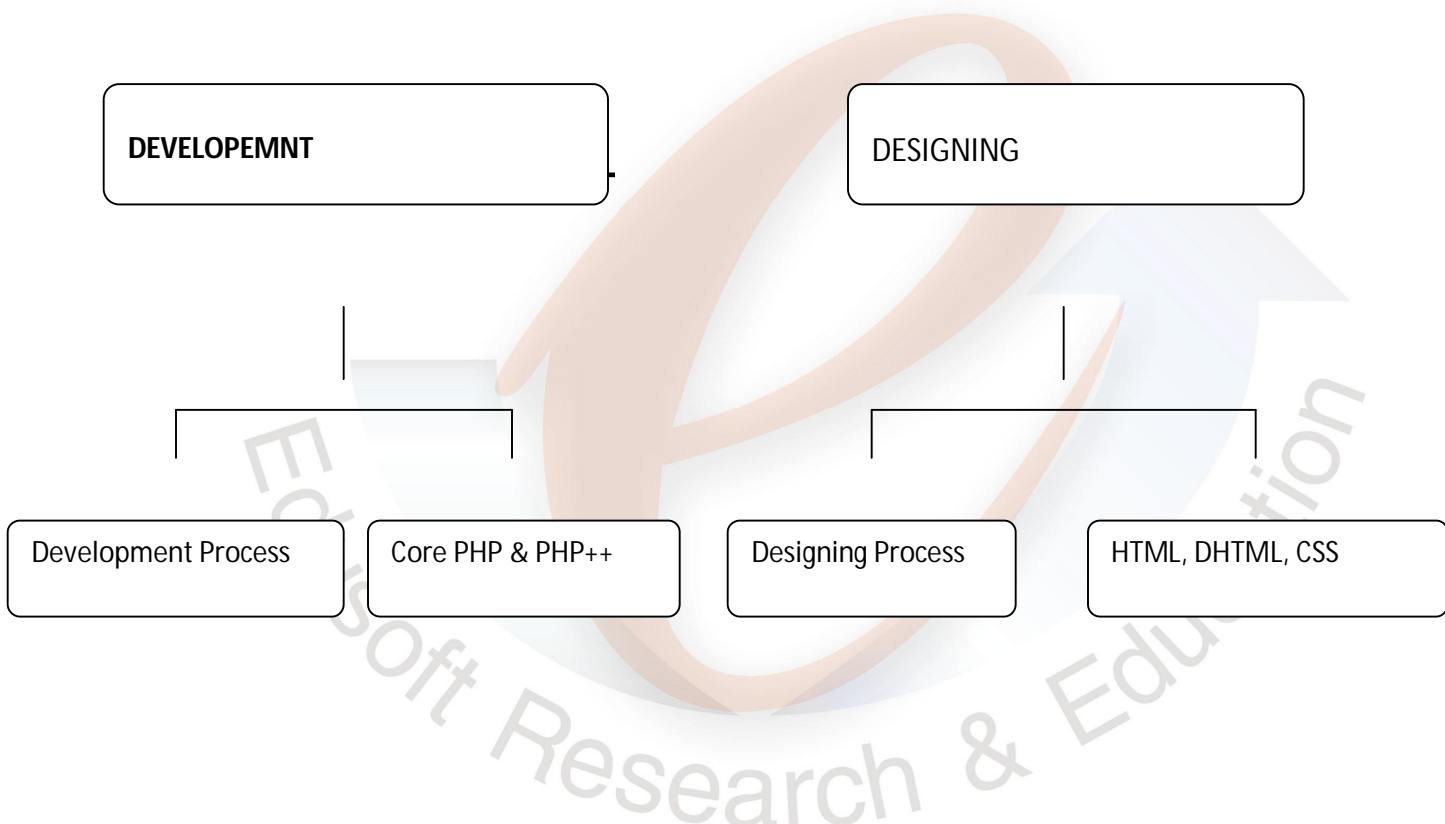
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WEB DEVELOPMENT PROCESS THROUGH CORE PHP & PHP++



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Software used : WAMP & LAMP SERVER

1. Core and fundamentals of PHP

- **Scripting (Client side and server side)**
 - JAVA SCRIPT for validate data at client side itself
 - PHP for processor at server side
- **Database**
 - MYSQL
 - SQL SERVER
- **Editor**
 - Dream weaver
 - Edit plus
- **Webserver**
 - Apache
 - IIS

2. Work with tools and Framework

JOOMLA + CAKE PHP +SMARTY + AJAX +OS COMMERCE



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CORE PHP

HYPHERTEXT PREPROCESSOR

DURATION: 6 MONTHS

Introduction

- The Origin of PHP
- PHP is better than its alternatives
- Interfaces to External Systems
- How PHP works with the Web Server
- Hardware and Software requirement
- What a PHP script looks like
- Saving data for later
- Receiving user Input
- Repeating code

Basic PHP Development

- How PHP script work
- Basic PHP Syntax
- PHP Data Type
- Displaying type information
- Testing for a specific Data type Operators
- Variable Manipulation
- Dynamic variable
- String in PHP



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Control Structures

- Then if Statement
- Using the else clause with if statement
- The switch statement
- Using the? Operator
- The While Statement
- The for Statement
- Breaking out of Loops
- Nesting Loops
- Summary

Functions

- What a function?
- Defining a function
- Returning value from function
- User-defined functions
- Dynamic Function Calls
- Variable scope
- Accessing variable with the global statement
- Function calls with the static statement
- Setting default values for arguments
- Passing argument to a function by value
- Passing argument to a function by reference
- Testing for function existence

Arrays

- Single-Dimensional Array
- Multidimensional Arrays
- Casting arrays
- Associative arrays
- Accessing arrays
- Getting the size of an array
- Looping through an array
- Examining arrays
- Sorting array



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- Sorting an associative arrays

Working with the file System

- Creating and deleting a file
- Reading and writing text files
- Working with directories in PHP
- Checking for existence of file
- Determining file size
- Opening a file for writing, reading or appending
- Writing Data to the file
- Reading Characters

Working with Forms

- Forms
- Super global Variable
- The server array
- A script to acquire user input
- Importing user input
- Accessing user input
- Accessing user input
- Combine HTML and PHP code
- Using hidden fields
- Redirecting the user
- File upload and scripts

Working with Regular Expressions

- The basic regular expressions
- PCRE
- Matching Patterns
- Finding Matches
- Replace Patterns
- Modifiers
- Breakup Strings



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Class and Objects

- Objects oriented programming
- Define a class
- An object
- Creating an object
- Object method
- Object constructors and destructors
- Class constants
- Class inheritance
- Abstract classes and method
- Object serialization
- Checking for class and method existence
- Exceptions
- Summer

Introduction to Database

- Introduction to SQL
- Connecting to the MYSQL
- Selecting a database
- Finding out about to a table
- Adding data to a table
- Acquiring the value
- Finding the numbers of rows
- Inserting data
- Entering and updating data
- Executing multiple quires

Cookies

- The anatomy of a cookie
- Setting a cookie with PHP
- Deleting a cookie
- Creating session cookie



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- Working with the query string
- Creating query string

Session

- What a session
- Starting s session
- Working with session variables
- Destroying session
- Passing session ids
- Encoding and decoding session variables

Disk Access, I/O, Math and Mail

- HTTP connections
- Writing to the browser
- Getting input from forms
- Output buffering Session handling
- Regular expression
- Common math
- Random numbers
- File upload
- File download
- Environment variable
- E-mail in PHP



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