

BIG COMMERCE



CURRICULUM

KEY FEATURES

- » E-Commerce Portal Development
- » Payment Gateway Integration.
- » Online Marketing
- » Website Hosting & Security

» What You will Be Able to Achieve During This Course?

This course will enable you to build real-world, dynamic web sites. If you've built website using plain HTML, you realize the limitation of this approach. Static content from a pure HTML website is just that- static. It says the same unless you physically update it. Your users can't interact with the site in any meaningful fashion.

Using PHP language and database MySQL allows you to make our sites dynamic: to have them be customizable and contain real-time information. In this course We describe how to approach real-world projects and take you through design, planning and building e-commerce based website from scratch with payment gateway integration and marketing.

» Who Should Attend?

These are creating dynamic, database-driven Web sites. Basic experience with HTML is assumed. Programming such as C or PERL experience is helpful but not required.

» Hands-On Training

In this course, you develop PHP scripts to perform a variety of tasks, culmination in the development of a full database-driven Web page. Exercises include:

- Accessing command line arguments from PHP scripts
- Generating Web pages dynamically using PHP
- Retrieving and manipulating from data
- Personalizing Web site content using Session and Cookies
- Tracking user navigation on your Web site
- File handling with PHP script
- Regular Expression with PHP to make Strong validation
- Object Oriented Concept to make more powerful Web Application
- Exception Handling
- Integrating database content to generate dynamic Web pages
- Building modular scripts to enable code reusability
- Integrating payment gateway
- Creating web services

» FRONT END DESIGNING

PHOTOSHOP CC

- Workflow
- Selection and Drawing
- Enhancing, Correcting and Retouching Images
- Web Banners
- Web Template Designing

HTML 5 and CSS 3

- HTML Introduction
- HTML Text Formatting
- HTML Tables
- HTML Lists
- HTML Forms
- CSS Backgrounds ,Text and Fonts
- CSS Advanced
- HTML 5 Semantic Elements
- HTML5 Media
- HTML5 and CSS3 Browser Support
- CSS3 Borders ,Outline , Web fonts
- CSS3 Transitions and Animation
- 2D , 3D Transform

RESPONSIVE WEB DESIGN

- CSS Media Queries
- Bootstrap 3 Framework

» Back End (Development in PHP)

Introduction with PHP

- Origins of PHP in the open source community
- Why we use PHP?
- Some PHP's strengths
- Availability across multiple platforms
- Installation of PHP (Wamp ,XAMPP , Linux , Mamp).

Basic Syntax and programming with PHP

- PHP Delimiters or Tags.
- PHP Comments
- Creating Variables
- Data types in PHP
- Typecasting
- Declaring and using constants
- Understanding Operators and Precedence

Control Statement or Selection

- if else statement
- if else if else statement
- Nested if statement
- Switch Case

Implementing Iteration or looping

- For Loop
- While Loop
- Do while Loop
- Nested Loop
- For each Loop

Introducing Array

- How to use an important programming construct: arrays
- Numerically indexed arrays
- Associative Arrays
- Array operators
- Multidimensional arrays
- Array sorting
- Array Functions
- Converting Arrays to Scalar Variables

Embedded HTML with PHP

- HTML scripts and Form's element
- How to use form data in PHP
- Redirecting web pages
- Super global Variable
- Adding dynamic content
- Interact with server using GUI
- Use of \$_GET , \$_POST & \$_REQUEST methods

Custom Functions

- Defining functions
- Function Parameters
- Call by value & Call by reference functions
- Recursive function
- Return Values From Functions
- Variable Scope (Local , Global , Static)

PHP Built-in Functions

- Array Functions
- String Functions
- Math Functions
- Date Functions

» JavaScript, Ajax and jQuery

JavaScript Implementation

- Introduction to JavaScript
- Popup Boxes
- Basic Programming
- Events
- Page redirection
- Build in Objects
- Form Validations
- Object Oriented Javascript

Ajax Implementation

- Introduction to JavaScript
- Creating XML Http Request Object
- Connect object to the server
- Fetch data from server with reload whole page
- Working with Live examples of Ajax Implementation

jQuery Implementation

- Introduction to jQuery
- Work on build in methods of jQuery
- Creating some animation and zoom effects
- Interaction of JQuery with php (Server Side)

Introducing with File system and Server

- Saving data for later using file System
- Opening a File
- Creating and Writing to a file
- Closing a file
- Reading from file
- Deleting a file
- Using other useful file functions
- Create a directory
- Remove a directory
- Scan a directory
- Real time implementation in a project.
- File uploading and Downloading Concepts.
- Reusing code with the help of include and require functions.

State Management Concepts

- What Session Control is?
- Understanding Basic Session Functionality
- What is a Cookie?
- Setting Cookies with PHP
- Using Cookies with Sessions
- Deleting Cookies
- Starting a Session
- Registering Session Variables
- Using Session Variables
- Destroying the Variables and Session
- Implement Query string and hidden field
- Captcha code Implementation.

Object Oriented PHP

- Object oriented concepts
- Classes, objects and operations
- Class attributes
- Class method invocation
- Access Modifier
- Constructor and destructor
- Abstract class

- Final keyword
- Inheritance
- Implementing Interface
- Understanding Advance and New Object Oriented functionality
- Implementing Iterators and Iterations
- Magic functions with PHP
- Exception Handling Concepts
- Exception Control Structures try...catch...throw
- The Exception class
- User Defined exception

» MySQL Database

- Relational Database Concept and technology
- Web Database Design and Architecture.
- Creating a MySQL Database
- Setting up Users and Privileges
- Creating Database Tables
- Column Data Types and constraints
- Implementing Insert/Delete/Update and select Query
- Joining Table
- Dropping Tables and Databases
- Advance My SQL Programming
- Working in PhpMyAdmin
- Database Connectivity
- Setting up connection with PHP and MySQL
- Mysqli and PDO Connectivity

» XML , JSON and Web Services

- The Extensible Markup Language (XML)
- Creating an XML Document
- Parsing XML Documents
- Loading and Saving XML Documents
- Interfacing with Simple XML
- Implementing JSON
- Working with json_encode and json_decode
- Creating web services with the help of XML or JSON.

» Developing an E-Commerce Website

Creating the Admin Panel

- Creating the Layout
- Adding Links & Insert New Product
- View , Update , Delete products
- Add , update , delete category and brands

» Creating main layout and adding Content

- Creating the index page of layout
- Creating tables for Products , Categories & Brands
- Adding dynamic category and brand
- Display products on website
- Creating the shopping cart bar
- Creating the details page for single product
- Creating all product pages
- Creating custom search engine

Creating the Shopping Cart

- Creating shopping cart
- Display total item in cart
- Display total price in cart
- Updating Quantity
- Creating the checkout page

Customer registration & Login – Logout

» Online Payment Gateway Integration in website

- Integration with Paypal
- Integration with CCAvenue

» Website Hosting & Security

- Upload our website online
- Give us you the Domain and web space
- Upload our files in a server with the help of ftp or cpanel.
- Working on mail accounts and sub-domains
- Implementing our local database to online server

» Some Advance Php Techniques

- PDF generation and Pagination
- Implementing SQL Injection

» SEARCH ENGINE OPTIMIZATION (SEO)

Search engine optimization is a necessity in today's internet world if a website intends on becoming a competitive entity. Whether your site sells a product, service or information, SEO provides the exposure and user-experience needed in a cost-effective way.

- Introduction to SEO and what it involves
- Types of SEO
 - White Hat SEO
 - Grey Hat SEO
 - Black Hat SEO
- What are search Engines?
- Types of Search Engines

- How Search Engine Works and how they rank websites based upon a search term?
- How to do SEO in websites

» Wordpress (Content Management System)

Installation of Wordpress

- Installing WordPress on a Dedicated Server
- Understanding wp-config.php
- Understanding the database structure
- Understanding Directory Permissions

Basics of the WordPress User Interface

- Understanding the WordPress Dashboard
- Pages, Tags, Media and Content Administration
- Core WordPress Settings

Finding and Using WordPress Plugins

- Finding and Installing Plugins Quickly and Easily
- Upgrading WordPress Plugins
- Recommended WordPress Plugins

Working in widgets

- Installing widgets
- Creating your own Widget

Working with WordPress Themes

- Understanding the Structure of WordPress Themes
- Finding Themes and Choosing the Right One
- Installing and Configuring Themes
- Editing and Customizing Themes

WordPress Content Management

- Understanding Posts Versus Pages
- Organizing Posts with Categories
- Connecting Posts Together with Tags
- Managing Menus
- Creating a website with all features
- Developing a ecommerce websites in wordpress

» CodeIgniter Framework Introduction

- Getting Started
- CodeIgniter at a Glance
- CodeIgniterCheatsheets
- Supported Features
- Application Flow Chart
- Model-View-Controller
- Architectural Goals

General Topics

- CodeIgniter URLs
- Controllers
- Reserved Names
- Views
- Models
- Helpers
- Using CodeIgniter Libraries
- Creating Core Classes
- Auto-loading Resources
- Common Functions
- Managing Applications
- Security
- PHP Style Guide

Class Reference

- Config Class
- Email Class
- File Uploading Class
- Form Validation Class
- Loader Class
- Output Class
- Security Class
- Session Class
- Database Class

Helper Reference

- Form Helper
- URL Helper
- Download Helper
- Email Helper
- Cookie Helper

Creating a website in CodeIgniter

- Convert Html design into CodeIgniter
- How we Develop a website in CodeIgniter

» CakePHP Framework

Introduction to CakePHP

- Introduction
- CakePHP Framework
- Why CakePHP?
- Overview of MVC
- Installation of CakePHP

Basic Principles of CakePHP

- Getting Started with CakePHP
- CakePHP Folder Structure
- Controller Naming Conventions
- Controller Function Naming Conventions
- View Naming Convention
- Model Naming Conventions
- Database Tables Naming Conventions
- Model Naming Convention
- Database Tables Naming Conventions

CakePHP Controllers

- Introduction
- Methods Set and Find
- Method Single Query
- Working with Forms
- Methods Exists and Delete

CakePHP Models

- Introduction
- CakePHP Bake Demo
- Associations
- Model Attributes
- Data Validation
- Magical Fields

CakePHP Views

- Introduction
- Working with Layouts
- Controller Views
- Elements
- Helpers
- HtmlHelper
- FormHelper

CakePHP Authentication

- Introduction
- Components
- beforeFilter()
- Passwords

Developing a website in CakePHP

- Convert Html design into CakePHP
- How we Develop a website in CakePHP

» Magento (E-commerce CMS)

- Introduction to Magento
- Installing Magento
- The Public Interface Walk-through
- The Administration Interface Walk-through
- Working with Products
- Working with Customers
- Developing a ecommerce application

Partners :



Java



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