



Demand is more,

Supply is Less

- ✦ Syllabus that Meets Industry Demands
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- ✦ Tailor-Made Curriculum

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HTML

Introduction to WWW
 What is HTML?
 Internationalization & Accessibility
 Character encoding & References
 Document Structure
 Meta Tag & Heading Elements
 Body Section

- * Base Font
- * Text Links
- * Text Format
- * Text Resizing
- * Text Lay outing
- * Text Listing

HTML Images, HTML Links
 Colors on the Text Link
 Link Targets, Image Link, Image Mapping
 DIV, SPAN & ADDRESS
 INS & DEL Tags, Constructing Tables
 Borders & Alignment
 Layout design with Frame
 Borders, Resizable Windows
 Scrollbars, HTML Forms
 Elements & Attributes
 Structuring with Fieldset
 Access key & Tab Index
 Disabled and ReadOnly Controls

CSS

Introduction to style sheet
 Introduction to css, Types of style sheet
 Types of css

- * Internal
- * External
- * Inline/Embedded
- * Imported

Inserting a css, Using Multiple sheet
 Understanding the Cascade
 Basic css syntax, Background Properties
 Text Properties, Font Properties
 Border Properties, Margin Properties
 Padding, List & Table Properties

JavaScript

JavaScript Introduction, What is JavaScript?
 JavaScript in HTML, JavaScript Statement
 Write & Writeln, Values & Variables
 Literals & comments
 Expressions in JavaScript, Popup Boxes, Operators
 Conditional Statements, Loop Statements
 Object manipulation Statements
 Working with Build-in Objects

Array & Boolean Objects
 Math & Date Objects
 String & Number Objects
 Working with Build-in Functions
 isNaN() Function
 parseInt() & parseFloat() function
 Exception Handling
 JavaScript Event Handler
 Timing Events, Status Bar and Roll Over
 Object Model, Functions in JavaScript
 Navigator Object Hierarchy
 JavaScript Reflection
 Window & Frame Object
 Document & Form Object
 Location & History Object
 Working with windows & frames
 Working with MIME types, Playing Sounds

DOM

Basics of DOM, DOM hierarchy
 DOM Methods, Functions
 Forms Collection, Table collections
 InnerHTML, Nodes & ChildNodes
 DOM with HTML & CSS

Web-Site Design

Basics of Web design, What makes good
 How to plan, Tips on Design and Layout
 Creating pages

PHP 5.3 NEW

Overview of PHP

- * Static vs. Dynamic Web Sites
- * Dynamic Content from Databases
- * Developing Dynamic Internet Applications
- * Client-Side Scripting vs. Server-Side Scripting
- * Overview of PHP Advantages & Capabilities
- * Configuring PHP.INI & PHP vs. ASP

Basic Scripting and Looping Constructs

- * PHP Scripting Fundamentals
- * Print Statement, Code Blocks
- * Primitive Data Types
- * Defining Constants and Variables
- * Looping Constructs,
- * While, Do While, For & Exit & Break

PHP Operators

- * Logical, Relational & Bitwise Operators
- * Other Operators
- * Conditional Constructs
- * True and False Expressions
- * If, Else and Elseif
- * Switch/Case Statement

- * The ? (Ternary) Operator
- * Timestamps,

Arrays in PHP, What are Arrays?

- * Usage of Arrays in PHP
- * Indexing Arrays, Initializing Arrays
- * Adding and Removing from Arrays
- * One-dimensional Arrays
- * Multidimensional Arrays
- * Array Functions

PHP Functions

- * Introduction to Functions
- * Declaring Functions, Scope
- * Passing Arguments to Functions
- * Returning Values from a Function
- * Using Include Files
- * The Require Statement, Recursion
- * Dynamic Function Calls
- * Predefined PHP Functions & Mailing Functions

Classes And Objects (PHP 5.3)

- * Introduction, The Basics & Autoloading Objects
- * Constructors and Destructors, Visibility
- * Scope Resolution Operator (::)
- * Static Keyword, Class Constants
- * Class Abstraction, Object Interfaces
- * Overloading, Object Iteration & Patterns
- * Magic Methods, Final Keyword
- * Object cloning, Comparing objects
- * Reflection & Type Hinting

File Handling

- * Searching File Contents With
Regular Expressions
- * Changing and Editing File Contents
- * Splitting and Joining Information Inside Files
- * File Uploading, String Functions
- * Regular Expression Functions
- * Reading, Writing and Deleting Files
- * Handling File Permissions, File Locking
- * Reading Directory Contents
- * Creating and Deleting Directories

Working with Databases and Forms

- * Configuring PHP For Database Support
- * PHP's Database APIs
- * PHP's SQL API
- * Database Drivers
- * Database Driver Class Wrappers
- * ODBC
- * Simple SQL Queries via PHP
- * Tracking Visitors with Session Ids
- * Populating Forms
- * Retrieving Data from Forms

Using Cookies with PHP

- Purpose of Cookies, Cookie Myths
- Setting Cookies, Retrieving Cookies
- Expiring Cookies, Deleting Cookies
- Storing Arrays in Cookies

Miscellaneous PHP Tasks

- Error Logging
- Session Management & Maintaining State
- Using Environmental Variables
- Changing Execution by Redirecting to Other URLs
- Embedding JavaScript with PHP
- Using HTTP & FTP Protocols to Pass Data
- Showing Different Content to Different Browsers
- Getting IP Addresses from Visitors

MySQL 5.0 **NEW**

Introduction to MySQL

- Overview of MySQL, What is MySQL?
- History of MySQL, The Main Features of MySQL

Create & Manage Database and tables

- Connecting to and Disconnecting from the Server
- Entering Queries, Creating and Using a Database
- Creating and Selecting a Database
- Creating a Table, Loading Data into a Table
- Retrieving Information from a Table
- Getting Information About Databases and Tables

Data Types, Functions and Operators & SQL Statement Syntax

Data Definition Statements

- CREATE TABLE, ALTER TABLE Syntax
- DROP TABLE, RENAME TABLE Syntax
- CREATE DATABASE, ALTER DATABASE Syntax
- DROP DATABASE Syntax

Data Manipulation Statements &

Control Statements

- DELETE, DO & INSERT Syntax
- LOAD DATA INFILE, REPLACE & SELECT Syntax
- Subquery, TRUNCATE & UPDATE Syntax

Stored Procedures and Functions

- Stored Routines and the Grant Tables
- Stored Routine Syntax, Stored Procedures, Functions, Triggers, and LAST_INSERT_ID()

Triggers

- CREATE TRIGGER Syntax
- DROP TRIGGER Syntax
- Using Triggers

Views

- CREATE VIEW Syntax
- ALTER VIEW Syntax

- DROP VIEW Syntax
- Using PHP MyAdmin to configure MySQL Functions and Operators

Introduction to the Apache Web Server

Configuration Files

PHP Installation and Configuration

WWW Sites within Apache

Website Properties

RPM Installation vs. Binary Installation

Advanced PHP

AJAX **NEW**

Using AJAX

Basics of AJAX

XMLHTTP Request Object

Asynchronous communication

Updating the response

CakePHP The Framework **NEW**

Introduction

- Installing and Running CakePHP
- Creating a To-Do List Application

Developing CakePHP Applications

- Naming Files and Designing the Database
- Creating Simple Views and Baking in the Console

- Customizing Views

- Working with Controllers and Models

- Implementing Ajax Features

Advanced CakePHP

- Helpers

- Routes

- Components and Utilities

- Vendors

- Plugins

- DataSources and Behaviors

- Wrapping Up the Application

Drupal the CMS **NEW**

Why use Drupal

Drupal applications

Drupal automatic installation

Drupal manual installation

How to use Drupal

Drupal modules

Drupal themes

Drupal users

Overview of Joomla & Smarty **NEW**

Project Development

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