**WEB DESIGNING COURSE SYLLABUS**

**Overview of HTML**

* Introduction to HTML
* Creating an HTML Document

  **Formatting text with HTML**

* Paragraph Formatting with HTML
* Character Formatting with HTML
* Comparing Procedural and Descriptive Formatting

  **Adding local and remote links**

* Adding Local and Remote Links
* Adding Internal Links with the Named Anchor Tag

  **Adding graphics**

* Linking and Embedding Graphics

  **Creating lists in HTML**

* Creating Lists and Nested Lists

  **Creating tables in HTML**

* Creating and Modifying Tables
* Creating Advanced Table Elements

  **Setting Body and Background Attributes**

* Setting Background and Text Colors

  **Web Page Design Guidelines**

* Web Page Design Guidelines

  **Adding Links to other Internet Services**

* Links to Non-Web Internet Services
* By giving table less design as practical projects we are the best html training institute in Chennai.

**HTML5 Training Syllabus**

* Overview of what’s new in HTML5
* Doctype
* Charset
* New structures / tags
* Inline Elements
* Support for dynamic pages
* Form types
* Deprecated code

  **CSS(Cascading Style Sheets)** **Types of Style Sheets**

* Inline Styles
* Embedded Styles
* External or Linked Styles

  **Inheritance and Cascading Order**

* Inheritance
* Conflicting Styles
* Specificity

  **Formatting Text and Fonts**

* Font Families
* Font Size
* Kerning, Leading, and Indenting

  **Formatting Colors and Backgrounds**

* The Color Attribute
* The Background Attribute
* Background Colors and Images

  **Exploring CSS Class and ID Attributes**

* Defining The CSS Class Attribute
* Defining The CSS ID Attribute

  **Create Your Own HTML Tags**

* HTML Span and DIV Tags
* Creating Block-Level HTML Tags
* Creating Inline HTML Tags

  **Positioning Block-Level Elements**

* Relative and Absolute Positioning
* Formatting The Block-Level Box Model
* Element Visibility Controls

  **Introducing the Document Object Model (DOM)**

* Versions Of The Document Object Model
* Detecting The DOM Version With Java Script
* Java Script and The DOM

**PHP 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
* Custom validation functions
* Single-page form with validations

  **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 behavior
* 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 the 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
* Reading files
* Examining file details
* Working with directories
* Viewing directory content

  **Sending Emails**

* Configuring PHP for the email
* Sending an email with mail()
* Using headers
* Reviewing SMTP
* Using PHPMailer