

Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for PHP

Given below is the brief description for the course you are looking for: -

## Static Webpage Development

### Introduction to web

- Browser
- Website
- Webpage
- Content of webpage
- Static vs dynamic webpage
- Technologies to create static webpage
- Technologies to create dynamic webpage

### HTML5

#### Introduction to HTML

- What is HTML?
- Minimum structure of HTML
- What is tag in HTML?
- What is element in HTML?
- What is void element in HTML?
- What is Attribute?
- Nesting Elements

#### Basic elements

- The <html> element
- The <head> element
- The <body> element
- The <title> element
- The DOCTYPE Declaration
- Heading elements (h1-h6)
- The <p> element
- The <b> element
- The <i> element
- The <u> element

The <strong> element  
The <em> element  
The <sup> element  
The <sub> element  
The <audio> element  
The <video> element  
The <figure> element  
The <figcaption> element  
The <img> element  
The <hr> element  
The <br> element  
The <a> element

#### **Table in HTML**

The <table> element  
The <tr> element  
The <th> element  
The <td> element  
The <thead> element  
The <tfoot> element  
The <tbody> element  
Giving caption in table

#### **Input from User**

The <input> element  
The <button> element  
The <textarea> element  
The <select> element  
The <option> element  
The <optgroup> element  
The <fieldset> element  
The <legend> element  
HTML5 input types  
HTML5 input attributes  
Datalist

#### **List in HTML**

The <ol> element  
The <ul> element

The <li> element

### **Elements for layouts**

The <div> element

The <span> element

The <header> element

The <footer> element

The <nav> element

The <section> element

The <aside> element

The <article> element

### **More elements in HTML**

The <meta> element

The <script> element

The <link> element

### **Global attributes**

The id attribute

The class attribute

The hidden attribute

The title attributes

The lang attributes

### **More HTML**

HTML Symbols

Various attributes depend on elements

Validating Form data using HTML5

Embed YouTube video in Webpage

Embed Google map in Webpage

## **CSS (Cascading style sheet)**

### **Basics of CSS**

What is CSS and why we need it?

Internal CSS

External CSS

Inline CSS

### **CSS selectors**

- The type selector
- The class selector
- The id selector
- The attribute selector
- The descendant selector
- Grouping selector
- The child selector
- The universal selector

### **More CSS**

- Block level tags and inline level tags
- Difference between div and span
- Measurements
- Fonts and typography
- Managing text styles
- CSS colors
- Positioning elements
- Pseudo classes
- CSS box model
- Fixed width layout
- Responsive layout
- Some properties of CSS3

### **Templates**

- HTML, CSS based templates
- Create website using templates

### **Website Hosting**

- Free subdomain
- Free hosing
- Free vs paid hosting

### **JavaScript**

#### **Basics of JavaScript**

- Variable declaration
- Operators

Global variables  
Local variables

### **Functions in JavaScript**

JavaScript Functions  
Create your own functions

### **More JavaScript**

Change content of element  
Change attribute of element  
Change CSS of element  
Using setInterval  
Animation  
Validation

### **jQuery**

jQuery getting started  
jQuery syntax  
jQuery selectors  
jQuery events  
jQuery effects  
jQuery UI Widgets like date picker

### **Bootstrap**

Download Bootstrap  
Bootstrap Template  
Bootstrap CSS  
Bootstrap Components  
Bootstrap JavaScript

## **Dynamic Webpage Development (PHP 7)**

### **Installation**

Installation of PHP, MySQL or MariaDB and Apache  
Installation of IDE

### **Introduction to PHP**

About Website Development  
What is PHP  
Why PHP is better than others  
What is WAMP  
What is Apache Server  
PHP Syntax  
Comments in PHP  
PHP Variables  
PHP is loosely typed language  
How to display output  
Datatypes and variable declaration  
Datatype conversion  
Using comments  
Operators  
Type casting

### **Control flow in PHP**

Conditionals

- The if statement
- The else statement
- The else if statement
- The switch statement

Looping

- while loop
- do...while loop
- for loop
- breaking out of a loop

### **Arrays in PHP**

Numerically Indexed arrays  
Associative arrays  
Assignment using the array keyword  
foreach loop  
Multidimensional arrays  
Super global arrays

### **Functions in PHP**

String functions

- Date time functions
- Array functions
- Checking of function existence
- Create your own functions
- Call by value
- Call by reference
- Global variables in functions
- Variables Scope

### **Form Handling in PHP**

- Difference between GET and POST
- Building Forms
- Retrieving submitted data

### **Reusing Code in PHP**

- include statement
- include\_once statement
- require statement
- require\_once statement
- Breaking HTML, CSS template and reuse of it

### **OOPS programming in PHP**

- Declaring a class
- Creating an object
- Accessing objects
- Cloning objects
- Constructors
- Destructors
- Writing methods
- Declaring properties
- Declaring constants
- Property and method scope
- Static properties and methods
- Inheritance
- Namespaces

### **Exception Handling In PHP**

- Types of errors
- @ operator

try block  
catch block

### **Cookies in PHP**

Setting a cookie  
Accessing cookie  
Destroying a cookie

- Cookie based voting script

### **Session in PHP**

Starting a session  
Ending a session  
Insert value in session  
Show value from session  
Update value of session  
Destroy value of session  
Session id

## **Database Programming in PHP using MySQL or MariaDB**

### **Basic of database**

What is table?  
What is database?  
RDBMS  
What is SQL?

### **Introduction to MySQL or MariaDB**

Accessing MySQL or MariaDB from command line  
Accessing MySQL or MariaDB via phpMyAdmin  
Import and export of database

### **SQL using MySQL or MariaDB**

Creating a database  
Selecting database  
Datatypes  
Creating a table  
Inserting data into table  
Show data from table  
Show filtered data from table



- Update data in table
- Delete data from table
- Drop table
- Drop database
- Constraints
- Different types of clauses
- Normalization
- Subqueries
- Joins
- Query optimize

#### **Accessing MySQL or MariaDB using PHP**

- Executing select query using mysqli
- Executing non select query using mysqli

#### **More PHP**

- Uploading and Downloading in PHP
- CRUD (MySQL) Grid
- SMS Gateway
- Google Chart API
- URL rewriting
- GD Library
- Upload website from localhost to server
- SEO friendly URL's
- Redirection and hashing
- Authentication (User Registration, Login, Logout etc.)
- SQL injection & securing website
- Regular expression
- Client side and server side validation
- Sending email through coding
- HTTP request by programming
- CAPTCHA
- Configure PHP.INI
- .htaccess file

#### **Ajax**

- What is Ajax?
- Synchronous Ajax
- Asynchronous Ajax

GET method  
POST method  
JSON example

- How to create Ajax Tab
- Country State City with Ajax
- Ajax like dislike script
- Check user availability

### **Web services**

Introduction to web service  
Introduction to JSON  
Creating web service  
Consuming web service  
JSON parsing

### **Custom CMS**

What is CMS  
Why it is required  
How to create custom CMS  
How to create CMS Admin panel  
How to create CMS Front panel

### **WordPress**

Installation of WordPress  
Getting started with WordPress  
WordPress as a blogging platform  
WordPress as a content management system  
Work with WordPress themes  
Manage multimedia in WordPress  
Install plugins in WordPress  
Page builder plugin  
Adding of google map  
Adding of contact form  
Export and import of data

### **MVC Framework**

- What is MVC Framework
- Why it is required
- How MVC Framework works
- How to create CMS Admin panel
- How to create CMS Front panel

### **Codeigniter**

- What is Codeigniter
- Codeigniter file structure
- Codeigniter setup
- Controllers
- Views
- Form
- Blade Templates
- Session
- Validation
- Database

### **Live Project with Domain booking and Hosting**

Course Duration	3 Months
Fees	Call at 9015041412 to know
Slots	Weekdays & Weekends
Placement Assistance	yes, <a href="http://www.techaltum.org/">http://www.techaltum.org/</a>



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## Counselling

Tech Altum