

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)**

### **Basic Terms**

Network

Internet

Client

Server

Types of server

Web Server

Web Client

IP address

Port number

### **More basics**

- HTTP request
- HTTP response
- Static webpage processing
- Dynamic webpage processing
- Ways of HTTP request

### **Installation**

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

### **Introduction to PHP**

- 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

### **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

### **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

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

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

#### **More PHP**

- Uploading and Downloading in PHP
- 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?
- Using XMLHttpRequest
- GET method
- POST method
- JSON example
- Check user availability

## Web services

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

## 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

## Joomla

- Installation of Joomla
- Adding content
- Updating content
- Creating menu item

## Website hosting with database

### Running PHP in Linux OS

- Installation of Linux OS
- Basic commands
- Installation of Apache, MySQL or MariaDB, PHP
- Installation of IDE

---

## Laravel Framework

### **Overview & installation of Laravel**

- Introduction
- Server Requirements
- Composer
- Dependency Management
- Laravel Installation

### **Directory Structure**

- Root Directory
- App Directory

### **Configuration**

- Environment Configuration
- Accessing Configuration Values
- Maintenance Mode

### **Routing**

- Basic Routing
- Route Parameters

### **Controllers**

### **Views**

### **Form**

### **Blade Templates**

### **Session**

### **Validation**

### **Database**

**Project (Collection of static webpages)**

**Project (Collection of static and dynamic webpages)**

**Project (WordPress based)**

**Placement Blog: <http://www.techaltum.org/>**

**Fees: - 13000**

## **Available Discounts**

- Flat 10% Discount on onetime payment.
- Flat 10% Discount if joining on the same day of demo or enquiry.
- Special discount for group joining(minimum 5 students)
- Got someone's reference??, get flat ₹ 500 Discount. .
- Flat 1000/- Discount for our old students..

**Note: - maximum two discounts are applicable for a single student**

**(Note: - These are Updated Content, which are effective from 1 Dec 2017)**

## **Counselling**