

Dear Student,

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

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

Basics of SDLC

Introduction to SDLC

Role of Web Designer

Intro of Web Languages

→ HTML

→ CSS

→ Javascript

Safety to be taken during Designing

Basics of Web Technologies

Introduction to Web Technologies

Scope of Website and Role of Web Designer in Web Technologies

How the website works ?

Client and Server Software.

Static and Dynamic Websites

Web Standards and W3C.ORG

HTML / XHTML / DHTML

Markup Languages

Structure of HTML

Basic HTML Tags

HTML Elements

HTML Attributes

HTML Headings

HTML Paragraphs

HTML Formatting

HTML Fonts

HTML Styles

HTML Links

HTML Images

HTML Tables

HTML Lists

HTML Forms
HTML Frames
HTML Iframes
HTML Colors
HTML Colornames
HTML Colorvalues
HTML Quick List
Difference between HTML & XHTML
XHTML Basics
Introduction to Doc Types

HTML Advanced

HTML Layout
HTML Doctypes
HTML CSS
HTML Head
HTML Meta
HTML Scripts
HTML Entities
HTML URLs
HTML Webserver
HTML Summary

Web Design with CSS

Introduction to Cascading Style Sheets
Types of Style Sheets
Types of CSS Selectors
CSS properties
CSS Styling
Styling Backgrounds
Styling Text
Styling Fonts
Styling Links
Styling Lists
Styling Tables

CSS Box Model

CSS Box Model

CSS Border

CSS Outline

CSS Margin

CSS Padding

CSS Advanced

CSS Grouping/Nesting

CSS Dimension

CSS Display

CSS Positioning

CSS Floating

CSS Align

CSS Pseudo-class

CSS Pseudo-element

CSS Navigation Bar

CSS Image Gallery

CSS Image Opacity

CSS Image Sprites

CSS Media Types

CSS Attribute Selectors

Converting Table layout to CSS

Custom CSS Layout Design

Creating simple and dropdown menus

Creating Appealing forms using CSS

CSS Tips and Optimization Techniques

Adobe Photoshop CC

Introduction of Stock Photography

Types of Images and Image Editing Tools

Introduction to Adobe Photoshop

Using Photoshop Tools

Layers, Actions and Filters

Creating Custom Effects

Design Banners for Website

Basic Website Layout

12 Grid Layouts(For Desktops and Tablets)

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6 Grid Layouts(For Smartphones)

PSD to HTML Conversion

Adobe Dreamweaver CC

Installation process of Dreamweaver
Introduction to Adobe Dreamweaver
Learning the Interface
Tools in Dreamweaver.
Defining a Dreamweaver site
Adding Content and Multimedia.
Creating user submission forms.
Using Spry Elements
Importing a website design

SEO/SMO (Intro)

What is SEO & its scope.
Keyword Research and Analysis (Tools and Implementation)
Website Analysis
Website Performance Monitoring

Web Hosting Training

Web Hosting Basics
Types of Hosting Packages
Linux and Windows Control Panel
Using FTP Client
Maintaining a Website
Domain Names
How to Register a Domain Name

UI Development

Java Script

Client and Server side scripting
Introduction to Java Script
Programming Concepts
Objects and Events

JS Comments
JS Variables
JS Operators
JS Comparisons
JS If...Else
JS Switch
JS Popup Boxes
JS Functions
JS For Loop
JS While Loop
JS Break Loops
JS For...In
JS Events
JS Try...Catch
JS Throw
JS Special Text
JS Guidelines

JS Objects

JS Objects Intro
JS String
JS Date
JS Array
JS Boolean
JS Math
JS RegExp

JS Advanced

JS Browser
JS Cookies
JS Validation
JS Timing
Common Functions
Using Dreamweaver Java Script Features
Java Script Validations

JQUERY

Jquery Syntex
Jquery Selectors
Jquery Events
Jquery HTML
Jquery CSS
JQuery Animation
Conflict with jquery
Customized Jquery Apps
JQuery Menus
Jquery Image Slider
JQuery Accordions & Collapsibles.
Scrolling Contents.
User Interface Designing using jQuery.
Parallax Design Websites.

Introducing HTML5 and CSS3

Why do we need HTML5?
What happened to XHTML?
A tiny history of markup
The promise of a semantic web

The New and the Old

New structural tags
New content tags
New attributes
Deprecated elements
Semantic tagging

Document Structure

Structuring top-level elements
Structuring interior content
Building headers
Checking document outlines
Navigation elements

New Form Controls

New input types
Setting form autofocus
Using placeholder data
Marking required fields
Working with number inputs
Validate Form using HTML5

The HTML5 API

Canvas overview
HTML-5 Geo Location
Adding canvas content
Canvas vs. SVG

Video and Audio

Video overview
Audio and video containers
Audio and video codecs
Supported formats
Custom Controls using Javascript

Introducing CSS3

What's new in CSS3
Why do we need it?
CSS3 and HTML5
CSS3 and JavaScript
Corners, Colours, Backgrounds
Rounded corners
Colour and opacity
Border Image
Gradients
Multiple backgrounds

Techniques and Effects

Text and box shadows
Scaling and transformations

Fonts and Text Handling

Multi-column layout

@font-face

Google Fonts service

Transformation & Animation

Scaling, skewing and rotating

Working with transition

HTML5, CSS3 Here and Now

Current browser support

Mobile support

HTML5 v. Flash

Responsive Layouts

Understanding Responsive Behaviour

12 Grid layout (1200px) For **Large Screen Desktop**.

12 Grid layout (960px) For **Medium Screen Desktop**.

12 Grid layout (768px) For **Tablets & iPads**.

6 Grid layout (360px) For **Smartphones**.

Create **responsive Layouts** using **CSS Media Query**.

Responsive Layouts using Dreamweaver CC.

Device Testing on Iphone and Android Phones.

Android Inspect Element Testing.

Bootstrap Framework

Twitter Bootstrap Introduction and use

Installation of Bootstrap

Bootstrap CSS & JS

Bootstrap Image Slider

Bootstrap Menus

Bootstrap Components (Model Form)

Bootstrap Project

UI Testing

- W3C Validations
- Cross Browser Testing
- Upto IE8 Testing
- **UI Testing** for **Android** and **IOS** Devices
- Android Remote Usb Debugging
- Page Speed and Performance Testing
- User Experience Testing

Dynamic Webpage Development using PHP

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 of Software's

Installation of PHP, MySQL and Apache (Wampserver / XAMPP)

Installation of IDE

Basics of PHP

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
- The ? operator

Looping

- while loop
- do...while loop
- for loop
- breaking out of a loop
- The continue Statement

Arrays in PHP

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

Functions in PHP

- string functions
- date time functions
- utility functions
- using array functions
- Checking of function existence
- create your own functions

Passing by value
Passing by reference
global variables in functions

Form Handling in PHP

Difference between GET and POST
Building Forms
Retrieving submitted data
Sanitizing input

Reusing Code in PHP

Include statement
Include once statement
The require statement
The 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

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

Setting a timeout

Insert value in session

Show value from session

Update value of session

Destroy value of session

Session id

File Handling in PHP

Checking of file existence

Different modes of files

Creating a file

Reading from file

Database Programming in PHP using MySQL

Basic of database

What is data?

What is information?

What is table?

What is database?

DBMS vs RDBMS
What is SQL?

Introduction to MySQL

Accessing MySQL via the command line
Accessing MySQL via phpMyAdmin
MySQL commands
Import and export of database

SQL using MySQL

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
Nested Queries
Joins

Accessing MySQL using PHP

mysql vs mysqli
Executing select query using mysqli
Executing non select query using mysqli
Using Prepared Statements

More PHP

- Uploading and Downloading in PHP
- Redirection and hashing
- Encryption and decryption
- Authentication (User Registration, Login, Logout etc.)
- SQL injection & securing website
- Regular expression
- Client side and server side validation
- Sending email through coding
- CAPTCHA
- Configure PHP.INI
- .htaccess file
- Report Generation (.csv file)

Ajax

- What is Ajax?
- Using XMLHttpRequest
- GET method
- POST method
- JSON example
- Check user availability
- Auto suggest

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
- Creating custom page template
- Export and import of data

Joomla

- Installation of Joomla
- Adding content
- Updating content
- Creating menu
- Installing Joomla templates

Extra benefits

- Developing SEO friendly Website
- Hosting of Dynamic website
- Introduction to MVC

Running PHP in Linux OS

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

Create your own Website (Project)

- Create Layout in Photoshop
- Start Designing the Website
- Manual testing Process to test your website
- Uploading website on server
 - Project on web designing
 - Project on UI Development
 - Project on Bootstrap Framework
 - Project on PHP
 - Project on Wordpress

During this training, you will also learn free domain booking and hosting the all project live

Web Development

Fees: - 22500

Duration: - 6 Months

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

Tutorial: - <http://tutorial.techaltum.com/webdesigning.html>

Placement: - <http://www.techaltum.org/>

Counselling