

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:

Introduction to Web Technologies

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

Markup Languages

Structure of HTML

Basic HTML Tags

HTML Elements

HTML Attributes

HTML Headings

HTML Paragraphs

HTML Formatting

HTML Styles

HTML Links

HTML Images

HTML Tables

HTML Lists

HTML Forms

HTML Iframes
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
CSS Fixed Vs Liquid Layout
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)
6 Grid Layouts (For Smartphones)
PSD to HTML Conversion

Adobe Brackets

Installation process of Brackets
Introduction to Adobe Brackets
Learning the Interface
Add plugins in Adobe Brackets.

SEO (Intro)

What is SEO & its scope.
Keyword Research and Analysis (Tools and Implementation)
Website Analysis
Website Performance Monitoring
Google Analytics/Webmaster
XML Sitemap
Use of Meta Tags

Web Hosting Training

Web Hosting Basics
Types of Hosting Packages
Linux and Windows Control Panel
Using FTP Client
Maintaining a Website
Domain Names Registration, Subdomain

UI Development

Java Script

Client and Server side scripting
Introduction to Java Script
Programming Concepts
JS Comments
JS Variables
JS Operators
JS Comparisons
JS If...Else
JS Switch

JS Dialog Boxes
JS Functions
JS For Loop
JS While Loop
JS Break Statement
JS For...In Loop
JS Events
Event Handler
JS Try...Catch
JS Throw
JS Guidelines

JS Objects

JS Objects
JS String
JS Numbers
JS Date
JS Array
JS Boolean
JS Math
JS RegExp
JS Cookies
JS JSON Object
JS Ajax

JS Advanced

JS Browser Debugging
JS Validation
JS Timing
Common Functions
Java Script Validations

IQUERY

Jquery Syntax
Jquery Versions, CDNs
Jquery Selectors

Jquery Events
Jquery HTML
Jquery CSS
JQuery Animation
Conflict with jquery
Customized Jquery Apps
JQuery Menus
Jquery Image Slider
JQuery Accordions & Collapsible.
Scrolling Contents.
User Interface Designing using jQuery.
Parallax Design Websites.
Jquery UI Library
Jquery Lightbox
Jquery Scrolling Effects
Jquery Plugins

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
- Charts through Canvas

Video and Audio

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

HTML5 Web Storage

- Local Storage
- Session Storage

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 Old Browser Support

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 (100%) For **Smartphones**.

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

Responsive Layouts Debug and Testing

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

SASS

- What is Sass
- Sass Vs Less
- Sass Installation
- How to use sass
- Integrate Sass with Project

AngularJS

- What is **Angular JS**
- Advantage of Angular JS
- Setup Angular JS Environment
- Angular 1 Vs 2 and 4
- Installation
- What is MVC Architecture
- Angular JS Directives
- Angular JS Controllers
- Angular Form Validation
- Angular JS Filters
- Angular JS Module
- \$scope
- \$http

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 (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

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

Full Stack Web Development

Course Duration	6 Months
Slots	Weekdays & Weekends
Free Study Material	Yes, tutorial.techaltum.com
Placement	yes, http://www.techaltum.org/

Available Discounts

(Any two discounts are applicable on above fees)

- 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 10% Discount for our old students..

(Note: - These are Updated Content, which are effective from 2nd Dec 2017)

Counselling