



**VISTAR INSTITUTE OF COMPUTER SCIENCE**  
**EKTA CHOWK VIJAY NAGAR JABALPUR**  
**REGISTRATION NO:04/14/20522/19**

# **Vistar Institute**

## **Programming**

### **Language**

### **Courses**

**“Take one Steps towards IT Profession  
With Us”**

**[www.vistarinstitute.com](http://www.vistarinstitute.com)**

**1. Web Designing Course**

# 1. HTML 5

- Introduction

- > W3C and W3C Member
- > HTML Basics
- > What is Web

- HTML Basic

- > Introduction
- > Parts in HTML document
- > Editors
- > Basic
- > Elements
- > Attributes
- > Heading
- > Paragraphs
- > Formatting
- > Links
- > Head
- > CSS
- > Images
- > Table
- > JavaScript
- > HTML XHTML
- > HTML4 Drawbacks

- HTML5 Intro

- > HTML5 History
- > New features & groups
- > Backward Compatibility
- > Why HTML5
- > Powers of HTML5
- > Common terms in HTML5
- > HTML Links

- > HTML Blocks
- > HTML Layouts
- > HTML Iframes
- > HTML Color Names
- > HTML Color values
- > HTML Lists
- > HTML Formatting
- > HTML Frames
- > HTML Forms
- > HTML Marquee
- > HTML Audio and Video
- > HTML Hyperlink

- HTML5 Syntax

- > The DOCTYPE
- > Character Encoding

## Obsolete Elements/ Deprecated Elements

- > <acronym>
- > <applet>
- > <basefont>
- > <big>
- > <center>
- > <dir>
- > <font>
- > <frame>
- > <frameset>
- > <isindex>
- > <noframes>
- > <s>
- > <strike>
- > <tt>

- > <u>
- > <xmp>

## HTML5 New Elements

### > New Semantic/Structural Elements

- > <article>
- > <aside>
- > <bdi>
- > <command>
- > <details>
  - > <dialog>
  - > <aside>
  - > <summary>
  - > <figure>
  - > <figcaption>
  - > <footer>
  - > <header>
  - > <mark>
  - > <meter>
  - > <nav>
  - > <progress>
  - > <ruby>
  - > <rt>
  - > <rp>
  - > <figure>
  - > <section>
  - > <time>
  - > <wbr>

## HTML5 Canvas

- > What is Canvas ?
- > Create a Canvas
- > Canvas Coordinates

- > Canvas - Paths
- > Canvas - Text
- > Canvas - Gradients
- > Canvas - Images

## HTML5 SVG

- > What is SVG?
- > SVG Advantages
- > Difference between SVG and Canvas
- > Comparison of Canvas and SVG

## HTML5 Drag/Drop

- > Introduction
- > Make an Element Draggable
- > What to Drag? Where to Drop

## HTML5 Geolocation

- > Introduction
- > Locate the User's Positions
- > Handling Errors and Rejections
- > The getCurrentPosition()
- > Geolocation object

## HTML5 Video

- > Introduction
- > Video on the Web
- > How It Works?
- > Video Formats and Browser Support

- > HTML5 Video Tags

## ➤ HTML5 Audio

- > Introduction
- > Audio on the Web
- > How It Works?
- > Audio Formats and Browser Support
- > HTML5 Audio Tags

## HTML5 Input Types

- > Introduction
- > color
- > date
- > datetime
- > datetime-local
- > email
- > month
- > number
- > range
- > search
- > tel
- > time
- > url
- > week

## • HTML5 Form Elements

- > <datalist>
- > <keygen>
- > <Output>

## • HTML5 Form Attributes

- > New attributes for <form> &
- <input> New attributes for <form>autocomplete

> no validate

## • New attributes for <input>

- > autocomplete
- > autofocus
- > form, formaction
- > formenctype, formmethod
- > formnovalidate
- > formtarget
- > height and width
- > list, min and max
- > multiple
- > pattern (regexp)
- > placeholder
- > required, step

## HTML 5 Semantics

- > Introduction
- > What are Semantic Elements?
- > Non-semantic elements:  
<div> & <span>  
Semantic elements:  
<form>, <table>, & <img>
- > New Semantic Elements in HTML5
- > <header>
- > <nav>
- > <section>
- > <article>
- > <aside>
- > <figcaption>
- > <figure>
- > <footer>

## HTML 5 Media

- > New Media Elements

- > <audio>
- > <video>
- > <embed>
- > <source>
- > <track>

## HTML 5 Multimedia

- > What is Multimedia
- > Browser Support
- > Multimedia Formats
- > Video Formats
- > Sound Formats

## HTML 5 - MathML

- > Introduction
- > Using MathML character
- > Matrix Presentation
- > Math Formulas

## HTML 5 Web Workers

- > What is Web Worker ?
- > Check Web Worker support
- > Create a WebWorker file

## 2. Terminate a Web Worker

## 3. CSS3

### CSS 1.0 and 2.0

- > CSS Basics
- > CSS Introduction
- > CSS Syntax, CSS Id & Class
- > CSS Styling
- > Styling Text, Styling Fonts
- > Styling Links, Styling Lists
- > Styling Tables
- > CSS Border

- > Css Text
- > Css Fonts
- > Css Links
- > Css Lists
- > Css Tables
- > Css Box Model
- > Css Border
- > Css Outline
- > Css Margin
- > Css Padding
- > Css Grouping
- > Css Display
- > Css Floating
- > Css Align
- > Css Image Opacity
- > Css Backgrounds
- > Css Text Effects
- > Css Gradients

## CSS3

- > Introduction
- > CSS3 Modules
- > Selectors
- > Box Models
- > Backgrounds & Borders
- > Text & Effects
- > 2D/3D Transformations
- > Animations
- > Multiple Column Element
- > User Interface

## Borders

- > border-radius

- > box-shadow
- > border-image

## CSS3 Text-effects

- > text-shadow
  - > word-wrap

## CSS3 Fonts

- - > @font-face rule
  - > font-stretch
  - > font-weight

## CSS3 Backgrounds

- > background-size
- > background-image

## CSS3 2D Transforms

- > Howdoes itwork?
- > Browser Support
- > 2D Transform
- > translate()
- > rotate()
- > scale()
- > skew()
- > matrix()

## Class 3D Transform

- > rotateX()
- > rotateY()

## CSS3 Multiple Columns

- - > column-count
  - > column-gap
  - > column-rule

## CSS3 User Interface

- - > resize

- > box-sizing

- > outline-offset
- > CSS3 Transition

- > How does it work?
- > transition-property
- > transition-duration
- > transition-delay

## CSS3 Animation

- > CSS3 @keyframes Rule
- > Browser Support
- > Animation, animation-duration

## 4. Bootstrap

Customize Bootstrap

Comprehend the Carousel

Comprehend the Typeahead

Comprehend the Model

Comprehend the Bootstrap file structure

Comprehend the default grid system

Comprehend the fluid grid system

- Comprehend the responsive design

- Comprehend the dropdown menus

- Comprehend the button group

- Comprehend the Navbar, Breadcrumbs, Pagination, Labels & Badges

Comprehend the Typographic elements, Thumbnails, Alerts & Progress Bars

Comprehend the media Objects, Typography & Tables

Comprehend the Forms

Comprehend the Buttons

Comprehend the Images

Comprehend the Icons

## 5. JavaScript

Introduction to JS

String Method

String to Array

Math Object

JavaScript Validation

JavaScript Output

- Extracting String characters
- Variable to Numbers
- JavaScript Slider

## 6. JQuery

- JQuery CSS

JQuery Effect

JQuery Selector

JQuery DOM Manipulation

JQuery JSON

JQuery Validation

JQuery Event Handling

JQuery Slider

JQuery AJAX

## 7. Photoshop

- Introduction

- > About Photoshop CS6
- > Navigating Photoshop
- > Menus and Panels
- > Understanding Workspace
- > Opening new files
- > Opening existing files

### Exploring the tool box

- > Working with all selection tools
- > Basic Painting tools
- > All photo editing tools
- > Exploring basic of pen tool
- > How to shapes using Shape tool
- > Creating text with text tool

### Layers

- > Background layer
- > Basic tasks with layers
- > Locking and merging layers
- > Filling and grouping layers
- > Intro to blending modes
- > Blending modes, Opacity & Fill
- > Creating and modifying text

- Working with images

- > Resizing & Cropping Image
- > Basic editing in Image
- > Locking and merging layers
- > How to make GIF

- > Basic adjustment in images
- > Removing background of images
- > Saving images in various format

### Masks and Quick Masks

- > Exploring mask options & Work
- > Creating Clipping Mask
- > Creating Layer msk
- > Text masking using layer
- > Removing background

### Creating logo in Photoshop

- > Types of logos
- > Creating logos with shape
- > Creating logos with pen tool
- > text logos using text styling
- > Styling logos with layer styling

### Main menu options

- > Exploring File, Edit Options
- > Understanding Image, Layer & Type Options
- > Getting started with Select & Filter options



- Template designing
  - › Introduction to template layout
  - › Working with template wireframe
  - › Starting with section header, Slider, body, Footer
  - › Section typography, Icons, Styling
  - › Giving effects and text adjustments
  - › Grouping layers
- Saving Work
  - › Saving with different file formats
  - › Saving for Web & Devices

## 8. Responsive Web designing

- Introduction to RWD
- History of RWD
- Difference between RWD and AWD
  - › Fluid Grid
  - › Flexible images
  - › Dynamic Content
  - › Media Query
- Viewport Configuration
- Device Radio
- Design Approaches
- Practical

## 2. Web Development Course

### Introduction to PHP

- > Introduction
- > Installation
- > Syntax Overview
- Variables in PHP
  - > Variables Type
- Constants
  - > Constants in PHP

### Operators

- > Operators in PHP

### Decision Making

- > If Statement
- > If Else
- > ElseIF
- > Switch

### PHP Loop

- > For Loop
- > While Loop
- > Do While Loop
- > For each

### PHP Arrays

- > Numeric Arrays
- > Associative Arrays
- > Multidimensional Arrays

### PHP Strings

### PHP-WEB Concepts

### PHP Get & Post PHP

### File Inclusion PHP

### Files I/O

### PHP Functions

### PHP Cookies & Sessions PHP

### Email

### PHP File upload

### PHP & Mysql

- > Connection
  - > MYSqL Example
  - > PHP FormExample

### Introduction

- > Validation Example
- > Complete Scope

### PHP Login Example

- > Login Example
- > PHP-MySql login Example

### OOPS in PHP

- > PHP Classes
- > Objects in PHP
- > Member function
- > Constructor & Destructors
- > Functions Overriding
- > Access Specifies

### PHP Ajax Example

## 2. MySQL

## Introduction about MySQLi

- > Introduction
- > Installation
- > MySQLi Administration

- MySQLi PHP Syntax
- MySQLi PHP Connection
- MySQLi Database
  - > Create DB
  - > Drop DB
  - > Select DB

## • MySQLi Datatypes

## • MySQLi DDL

- > Create
- > Alter
- > Drop

## MySQLi DML

- > Select
- > Insert
- > Update
- > Delete

## MySQLi Where Clause

## MySQLi Like Clause

## MySQLi Sorting

## Handling Null Values

## MySQLi Transactions

## MySQLi Alter Statement

## MySQLi Indexes

## MySQLi Temporary & Clone Values

## • MySQLi Using Sequences

## Frameworks

## Codeignitor

## Laravel

## Wordpress

# Features



Interview Preparation.



Live & Practical Projects.



1 Year of Membership.




Company Training Certification.



*Never Dream about Success  
Work for it.*

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