

Webgurukul Web Development Course

*“Take One step towards
IT profession with us”*

1. Web Development 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

- **HTML5 Syntax**

- > The DOCTYPE
- > Character Encoding

- **Obsolete Elements/
Deprecated Elements**

- > <acronym>
- > <applet>
- > <basefont>
- > <big>
- > <center>
- > <dir>
- >
- > <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

- **TML5 Audio**

- > ntrouduction
- > udio on the Web
- > ow It Works?
- > udio Formats and Browser Support
- > TML5 Audio Tags

- **TML5 Input Types**

- > ntrouduction
- > color
- > ate
- > atetime
- > atetime-local
- > mail
- > onth
- > umber
- > ange
- > earch
- > el
- > ime
- > rl
- > eek

- **HTML5 Form Elements**

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

- **HTML5 Form Attributes**

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

- > utocomplete
- > o validate

- **ew attributes for <input>**

- > utocomplete
- > utofocus
- > orm, formaction
- > ormenctype, formmethod
- > ormnovalidate
- > ormtarget
- > eight and width
- > ist, min and max
- > ultiple
- > attern (regexp)
- > laceholder
- > equired, step

- **HTML 5 Semantics**

- > ntrouduction
- > hat are Semantic Elements?
- > on-semantic elements: <div> &
- Semantic elements: <form>, <table>, &
- > ew 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
- > Audio Formats

- **HTML 5 - MathML**

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

- **HTML 5 Web Workers**

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

2. **CSS3**

- **SS 1.0 and 2.0**

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

- **SS3**

- > Introduction
- > SS3 Modules
- > Selectors
- > Box Models
- > Backgrounds & Borders
- > Text & Effects
- > 2D/3D Transformations
- > Animations
- > Multiple Column Element
- > User Interface

- **orders**

- > 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**

- > How does it work?
- > 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**

- > text-size
- > text-orientation
- > text-decoration

- **SS3 Transition**

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

- **SS3 Animation**

- > SS3 @keyframes Rule
- > Browser Support
- > animation, animation-duration

3. Bootstrap

- **Customize Bootstrap**

- **Comprehend the Carousel**

- **Comprehend the Typeahead**

- **Comprehend the Modal**

- **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

4. JavaScript

- Introduction to JS
- String Method
- String to Array
- Math Object
- JavaScript Validation
- JavaScript Output
- Extracting String characters
- Variable to Numbers
- JavaScript Slider

5. JQuery

- JQuery CSS
- JQuery Effect
- JQuery Selector
- JQuery DOM Manipulation
- JQuery JSON
- JQuery Validation
- JQuery Event Handling
- JQuery Slider
- JQuery AJAX

6. Ajax

- Ajax Basics
 - > Purpose of AJAX
 - > XMLHttpRequest Object
 - > Callback function
- Passing Data
 - > XML
 - > Dynamic Tables
 - > JSON
 - > Review of object literal
 - > Arrays
 - > Back to JSON
 - > JSON Parser
 - > JSON Advantages & Disadvantages



- **AJAX Applications**
 - > Login Form
 - > AJAX Slideshow
- **XSLT**
 - > Basic XSLT
 - > XSLT in browser
 - > The Mozilla method
 - > The IE method/span>
 - > XSLT in browser
 - > Advantages & Disadvantages
- **AJAX / JS Framework**
 - > Purpose of framework
 - > Choosing a framework
 - > Prototype
- **AJAX Applications**
 - > Inline Editing
 - > Contenteditable attribute
 - > Autologout

7. PHP

- **Operators**
 - > Operators in PHP
- **Decision Making**
 - > If Statement
 - > If Else
 - > Elself
 - > 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
- **Introduction to PHP**
 - > Introduction
 - > Installation
 - > Syntax Overview
- **Variables in PHP**
 - > Variables Type
- **Constants**
 - > Constants in PHP



- **PHP Form Example**
 - > 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**

8. MySQL

- **Introduction about MySQLi**
 - > Introduction
 - > Installation
 - > MySql 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**



Features



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For More Information Contact Us:

 +91-7387990061 / +91-8237733112

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 **Head Office :** Plot no.11, Madhav Nagar, Behind Domino's Pizza.Near Mate Square, Nagpur-440010.

 **Branch Office :** 2nd Floor,Above Patni Multi-Speciality Dental Clinic,Near Wanjari Chowk, Wardha - 442001.

★★★★
 edu@webgurukul.co.in

★★★★
 www.webgurukul.co.in