

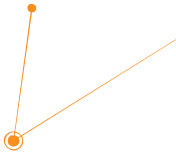
# वेबगुरुकुल

सर्व हिताय शिक्षा



## WEBGURUKUL WEB DEVELOPMENT COURSE

*“Don't simply dream of success;  
instead, put in the effort to achieve it.”*



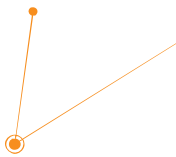
## HTML 5

### **INTRODUCTION**

1. W3C and W3C Membership
2. HTML Fundamentals
3. Introduction to the Web

### **HTML BASIC**

1. Introduction to HTML
2. Components of an HTML Document
3. HTML Editors
4. Limitations of HTML4
5. Hyperlinks
6. Document Head
7. Cascading Style Sheets (CSS)
8. HTML Basics
9. HTML Elements and Attributes
10. Headings
11. Paragraphs
12. Text Formatting
13. Working with Images
14. Creating Tables
15. Introduction to JavaScript
16. HTML and XHTML Differences



## **HTML 5 INTRO**

1. History of HTML5
2. New Features and Groups in HTML5
3. Backward Compatibility
4. Reasons for Choosing HTML5
5. Capabilities of HTML5
6. Key Terms in HTML5

## **HTML 5 SYNTAX**

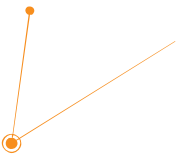
1. The DOCTYPE Declaration
2. Character Encoding in HTML

## **OBSOLETE ELEMENTS/ DEPRECATED ELEMENTS**

1. HTML Elements: <acronym>, <applet>, <basefont>
2. HTML Elements: <big>, <center>, <dir>
3. HTML Elements: <font>, <frame>, <frameset>
4. HTML Elements: <isindex>, <noframes>, <s>
5. HTML Elements: <strike>, <tt>, <u>
6. HTML Element: <xmp>

## **HTML 5 NEW ELEMENTS**

1. New Semantic/Structural Elements
2. Elements: <article>, <aside>, <bdi>, <command>
3. Elements: <details>, <dialog>, <summary>
4. Elements: <figure>, <figcaption>, <footer>, <header>
5. Elements: <mark>, <meter>, <nav>, <progress>
6. Elements: <ruby>, <rt>, <rp>



7. Elements: <section>, <time>, <wbr>

## **HTML 5 CANVAS**

1. Understanding Canvas
2. Creating a Canvas
3. Canvas Coordinates
4. Working with Paths
5. Text on Canvas
6. Gradients on Canvas
7. Handling Images on Canvas

## **HTML 5 SVG**

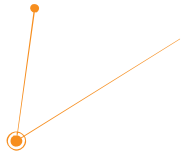
1. SVG Explained
2. Advantages of SVG
3. SVG vs. Canvas: Key Differences
4. Comparing Canvas and SVG

## **HTML 5 DRAG/DROP**

1. Introduction to Drag-and-Drop
2. Enabling Element Dragging
3. Selecting Draggable Elements and Drop Targets

## **HTML 5 GEOLOCATION**

1. Introduction to Geolocation
2. Finding User's Location
3. Managing Errors and Rejections
4. Utilizing `getCurrentPosition()`



## 5. Geolocation Object

### **HTML 5 VIDEO**

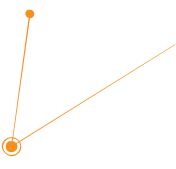
1. Introduction to Web Video
2. Functionality Overview
3. Video Formats and Browser Compatibility
4. HTML5 Video Tags

### **HTML 5 AUDIO**

1. Introduction to Web Audio
2. Functionality Overview
3. Audio Formats and Browser Compatibility
4. HTML5 Audio Tags

### **HTML 5 INPUT TYPES**

1. Introduction to Input Types
2. Color Input
3. Date Input
4. Datetime Input
5. Datetime-Local Input
6. Email Input
7. Month Input
8. Number Input
9. Range Input
10. Search Input
11. Telephone Input
12. Time Input



13. URL Input

14. Week Input

## **HTML 5 FORM ELEMENTS**

1. Datalist Element

2. Keygen Element

3. Output Element

## **HTML 5 FORM ATTRIBUTES**

1. New Form and Input Attributes

2. Form Attributes: autocomplete, novalidate

## **NEW ATTRIBUTE FOR <INPUT>**

1. Form and Input Attributes

2. Attributes: autocomplete, autofocus, form, formaction

3. Attributes: formenctype, formmethod, formnovalidate, formtarget

4. Attributes: height, width, list, min, max

5. Attributes: multiple, pattern (regexp), placeholder

6. Attributes: required, step

## **HTML 5 SEMANTICS**

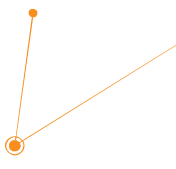
1. Introduction to Semantic Elements

2. Semantic vs. Non-Semantic Elements: div and span

3. Key Semantic Elements: form, table, and img

4. New Semantic Elements in HTML5

5. Elements: header, nav, section, article, aside, figcaption, figure, footer



## **HTML 5 MEDIA**

1. Introduction to New Media Elements
2. Media Elements: audio, video, embed, source, track

## **HTML 5 MULTIMEDIA**

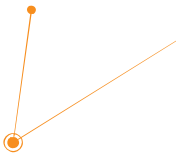
1. Multimedia Introduction
2. Browser Support for Multimedia
3. Multimedia Formats Overview
4. Video Formats
5. Sound Formats

## **HTML 5 – MATHML**

1. Introduction to MathML
2. Using MathML Characters
3. Matrix Presentation in MathML
4. Math Formulas with MathML

## **HTML 5 WEB WORKERS**

1. Introduction to Web Workers
2. Checking Web Worker Support
3. Creating a Web Worker File
4. Terminating a Web Worker



# CSS3

## **CSS 1.0 AND 2.0**

1. CSS Basics and Introduction
2. CSS Syntax, IDs, and Classes
3. Styling Backgrounds
4. Styling Text and Fonts
5. Styling Links, Lists, and Tables
6. CSS Borders

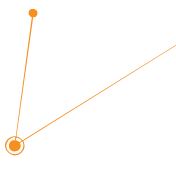
## **CSS3**

1. Introduction to CSS3
2. CSS3 Modules Overview
3. Selectors in CSS3
4. Box Models and Layout
5. Backgrounds and Borders in CSS3
6. Text Styling and Effects
7. 2D and 3D Transformations
8. CSS3 Animations
9. Multiple Column Layout
10. User Interface Styling

## **BORDERS**

1. `border-radius`
2. `box-shadow`
3. `border-image`





## **CSS 3 TEXT-EFFECTS**

1. `text-shadow`
2. `word-wrap`

## **CSS3 FONTS**

1. `@font-face` rule
2. `font-stretch`
3. `font-weight`

## **CSS3 BACKGROUNDS**

1. `background-size`
2. `background-image`

## **CSS3 2D TRANSFORMS**

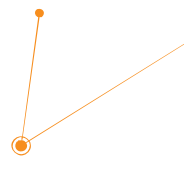
1. How it works
2. Browser support
3. 2D Transform
4. `translate()`
5. `rotate()`
6. `scale()`
7. `skew()`
8. `matrix()`

## **CLASS 3D TRANSFORM**

1. `rotateX()`
2. `rotateY()`

## **CLASS 3D TRANSFROM**

1. `column-count`
2. `column-gap`
3. `column-rule`



## **CSS3 USER INTERFACE**

1. resize
2. box-sizing
3. outline-offset

## **CSS3 TRANSITION**

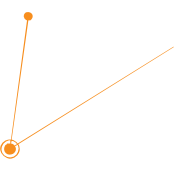
1. How transitions work
2. transition-property
3. transition-duration
4. transition-delay

## **CSS3 ANIMATION**

1. CSS3 @keyframes Rule Explained
2. Browser Support for CSS3 @keyframes
3. Animation in CSS: Understanding animation-duration

## **BOOTSTRAP**

1. Customizing Bootstrap for Your Needs
2. Understanding the Bootstrap Carousel
3. Mastering the Bootstrap Typeahead
4. Exploring Bootstrap Modals
5. Navigating the Bootstrap File Structure
6. Getting Familiar with the Default Grid System
7. Embracing the Fluid Grid System
8. Grasping the Concepts of Responsive Design
9. Unraveling the Secrets of Bootstrap Dropdown Menus
10. Getting to Know the Button Groups in Bootstrap
11. Understanding the Navbar, Breadcrumbs, Pagination, Labels, and Badges
12. Exploring Typography Elements, Thumbnails, Alerts, and Progress Bars
13. Mastering Media Objects, Typography, and Tables
14. Getting a Grip on Forms



15. Diving into the World of Buttons
16. Working with Images
17. Utilizing Icons in Your Design

## JAVASCRIPT

1. Getting Started with JavaScript: An Introduction
2. Manipulating Strings with JavaScript: String Methods
3. Converting Strings to Arrays in JavaScript
4. Form Validation with JavaScript
5. Exploring the Math Object in JavaScript
6. Outputting Data in JavaScript
7. Extracting Characters from Strings with JavaScript
8. Converting Variables to Numbers in JavaScript
9. Creating Interactive Sliders with JavaScript

## JQUERY

1. Styling with jQuery: CSS Manipulation
2. Adding Effects with jQuery
3. Selecting Elements with jQuery: The Power of Selectors
4. Working with JSON Data in jQuery
5. Manipulating the DOM with jQuery
6. Client-side validation with jQuery
7. Handling Events in jQuery
8. Creating Sliders with jQuery
9. Asynchronous Communication with jQuery: AJAX Operations

# AJAX

## **AJAX BASICS**

1. Understanding the Purpose of AJAX
2. Exploring the XMLHttpRequest Object
3. Utilizing Callback Functions in AJAX

## **PASSING DATA**

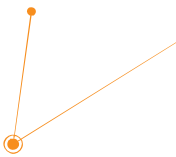
1. Introduction to XML
2. Creating Dynamic Tables
3. Understanding JSON (JavaScript Object Notation)
4. Review of Object Literals
5. Working with Arrays
6. JSON Revisited
7. Parsing JSON Data
8. Advantages and Disadvantages of JSON

## **AJAX APPLICATIONS**

1. Creating a Login Form
2. Implementing an AJAX Slideshow

## **XSLT**

1. Introduction to Basic XSLT
2. Using XSLT in Web Browsers
3. XSLT Processing Methods for Different Browsers
4. Pros and Cons of Using XSLT in Web Browsers



## **AJAX/JS FRAMEWORK**

1. Understanding the Purpose of a Framework
2. Selecting the Right Framework
3. Prototyping with Frameworks

## **AJAX APPLICATIONS**

1. Introduction to Inline Editing
2. Utilizing the Contenteditable Attribute
3. Implementing Autologout Functionality

## **PHP**

### **INTRODUCTION TO PHP**

1. Introduction to Sass
2. Installing Sass
3. Overview of Sass Syntax

### **VARIABLES IN PHP**

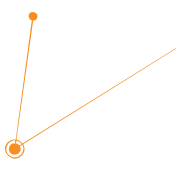
1. Variables Type

### **CONSTANTS**

1. Constants in PHP

### **OPERATORS**

1. Operators in PHP



## **DECISION MAKING**

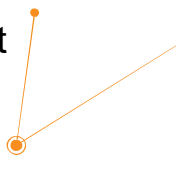
1. Introduction to Conditional Statements
2. The If Statement in JavaScript
3. Using If-Else for Decision Making
4. Handling Multiple Conditions with Else If
5. Simplifying Multiple Conditions with Switch Statements

## **PHP LOOP**

1. Introduction to JavaScript Loops
2. Repeating Actions with the For Loop
3. Conditional Looping with While
4. Executing Code with the Do-While Loop
5. Iterating Through Arrays with For Each

## **PHP ARRAYS**

1. Working with Numeric Arrays in JavaScript
2. Managing Data with Associative Arrays
3. Handling Complex Data Structures: Multidimensional Arrays in JavaScript



## **PHP STRINGS**

## **PHP-WEB CONCEPTS**

## **PHP GET & POST**

## **PHP FILE INCLUSION**

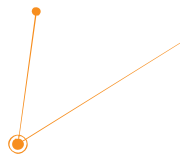
## **PHP FILES I/O**

## **PHP FUNCTIONS**

## **PHP COOKIES & SESSIONS**

## **PHP EMAIL**

## **PHP FILE UPLOAD**



## **PHP & MYSQL**

1. Establishing a Database Connection
2. Retrieving Data from a MySQL Database: A Practical Example

## **PHP FORM EXAMPLE**

1. Introduction to Validation
2. Example of Data Validation
3. Understanding the Scope of Validation

## **PHP LOGIN EXAMPLE**

1. Introduction to Login Systems
2. PHP-MySQL Login System Example

## **OOPS IN PHP**

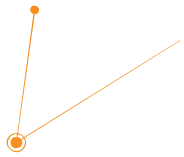
1. PHP Classes: An Introduction
2. Working with Objects in PHP
3. Member Functions in PHP Classes
4. Constructors and Destructors in PHP
5. Function Overriding in PHP Classes
6. Understanding Access Specifiers in PHP

## **PHP AJAX EXAMPLE**

# **MYSQL**

## **INTRODUCTION ABOUT MYSQLI**

1. Introduction to MySQLi
2. How to Install MySQLi
3. MySQLi Administration Essentials



## **MYSQLI PHP SYNTAX**

## **MYSQLI PHP CONNECTION**

## **MYSQLI DATABASE**

1. Creating a Database in MySQLi
2. Dropping a Database in MySQLi
3. Selecting a Database in MySQLi

## **MYSQLI DATATYES**

## **MYSQLI DDL**

1. Creating Tables in MySQLi
2. Altering Tables in MySQLi
3. Dropping Tables in MySQLi

## **MYSQLI DML**

1. Selecting Data in MySQLi
2. Inserting Data in MySQLi
3. Updating Data in MySQLi
4. Deleting Data in MySQLi

## **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



Interview  
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**Near Subhash Nagar Metro Station Nagpur: 1<sup>st</sup> Floor, Plot No.5, Subhash  
Nagar, Nagpur 440022 (Landmark: In Front of Metro Pillar no. P150)**



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