

## “Learn Web Designing step by step from scratch with our comprehensive training program”

### Course Objectives:

- Real-world skills to build real-world websites: professional, beautiful and truly responsive websites
- Project Work to teach you everything you need to know to get started with HTML5 and CSS3
- Learn web designing complete from scratch to a fully functional and optimized website
- Simple-to-use web design guidelines and tips to make your website stand out from the crowd
- Learn super cool jQuery effects like animations, scroll effects and "sticky" navigation.

### Course Description:

Our Web designing training course will help students to learn the skills necessary to become a web designing expert. After completing the course, you will be able to design web pages for both static and dynamic websites with latest technologies.

Our Web Designing Course at Croma Campus is designed as per the Industrial trends with 100% Job Assistance. We have a team of highly experienced professionals' faculties with more than 12 years of experience in Web Designing and other related Technologies.

Our faculty members are fully aware of industry requirements and ready to deliver full-fledged and industrial based Web Designing Training to students across Nepal. We provide our students with a perfect platform to learn and explore the subject from corporate trainers & industry experts.

### Course Highlights:

Croma Campus offers a wide range of courses to bring you up to speed on the latest trends and tools for the best web design. From Photoshop to UX design, Croma Campus has a web design course to help you get the most out of a website's front end.

In this training program, we will cover the below topics:

**HTML:** HTML is the standard markup language for Web pages. With HTML you can create your own Website

**CSS 2.0 and 3.0 (Cascading Style Sheets):** CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed.

**JavaScript:** JavaScript (JS) is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions

**jQuery:** jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax.

**HTML 5:** HTML5 is a markup language used for structuring and presenting content on the World Wide Web. It is the fifth and latest major version of HTML that is a World Wide Web Consortium recommendation

**Bootstrap 5 (HTML, CSS, and JS Library):** Bootstrap, the most popular front-end framework built to design modern, responsive, and dynamic interfaces for professional design web pages

**Web Hosting:** Web hosting is an online service that enables you to publish your website or web application on the Internet. When you sign up for a web hosting service, you basically rent some space on a physical server where you can store all the files and data necessary for your website to work properly

## Course Content:

### Module 1: HTML

#### ❖ HTML

- What is HTML?
- What is a Web Browser?
- What are Versions of HTML?
- What can you Do with HTML?
- HTML Development Environments
- Writing Code with a Text Editor

#### ❖ Review of HTML Elements

- Rules of Syntax
- Making your Code Readable
- Building a Document
- Using Colors
- Adding Color to your Page
- Using Headings
- Using Paragraphs
- Aligning Block-Level Elements

#### ❖ Inserting Spaces and Line Breaks

- Displaying Preformatted Text
- Formatting with Inline Elements
- Controlling Fonts
- Introducing List Elements
- Creating Unordered Lists
- Creating Ordered Lists
- Nesting Lists

#### ❖ What is an HTML Table ?

- Building a Table
- Cell Padding and Cell Spacing
- Controlling Table and Cell Width
- Aligning a Table on the Page
- Aligning Tables and Text
- Aligning Table Data
- Spanning Columns and Rows

#### ❖ Creating a Hyperlink

- Understanding and Using URLs
- Linking to a Web Document
- Linking to a Local Document
- Linking to Anchors
- Opening a New Browser Window

#### ❖ Image Formats

- Inserting Inline Images
- Aligning Images
- Using Images to Anchor Links
- Sizing Images
- Using Transparent Images
- Using GIF Animation

#### ❖ Forms and Controls

- Forms and Form Elements
- Form Actions, Form Methods, Form Design

## Module 2: HTML 5

### ❖ Introduction

- Laying out a page with HTML5
- Page Structure
- New HTML5 Structural Tags
- Page Simplification

### ❖ HTML 5 - How we got here ?

- New Features of HTML5
- The HTML5 Semantic Element
- Current State of Browser Support

### ❖ SECTIONS AND ARTICLES

- The section Tag
- The article Tag
- The header Tag
- The Footer Tag

### ❖ HTML5 AUDIO AND VIDEO

- Supported Media Types
- The audio Element
- The video Element

### ❖ HTML5 FORMS

- New Input Types

### ❖ HTML5 NEW FORM ATTRIBUTES

- Autocomplete
- No validate

### ❖ HTML5 NEW FORM FIELD

#### ATTRIBUTES

- Required
- Placeholder
- Autofocus
- Autocomplete
- Form
- Pattern

**Duration:** ..... Months (..... Hrs.)

## Module 3: CSS 2.0

### ❖ Introduction of CSS

- CSS Syntax
- CSS Comments
- CSS Types
  - Inline
  - Internal
  - External
- CSS Selector
  - ID
  - Class
  - Attribute
  - Grouping
  - Universal
- CSS Color
  - RGB Value
  - Hex Value
  - Color Name
  - Background
  - background-color
  - background-repeat
  - background-attachment
  - background position
  - background-size
  - background-image
- CSS Margin
  - Margin-top
  - Margin-bottom
  - Margin-left
  - Margin-Right

- CSS Padding
  - Padding -top
  - Padding -bottom
  - Padding -left
  - Padding –Right
- Outline
  - Outline-style
  - Outline-color
  - Outline Width
  - Outline-Offset
  - Outline Shorthand Property
- CSS Height and Width
- CSS Display properties
- CSS Position Properties
- CSS Overflow
- CSS Float and Clear
- Pseudo Class and Element

## Module 4: CSS 3.0

- ❖ **Introduction to CSS 3**
  - Border
  - border-radius
- ❖ **CSS Shadows**
  - Text-shadow
  - Box-shadow
- ❖ **Transitions**
  - transition
  - transition-delay
  - transition-duration
  - transition-property
- ❖ **2D Transforms**
  - transform
  - matrix ()
  - translate (x, y)
  - scale (x, y)
  - rotate(angle)
  - skew (x-angle, y-angle)
- ❖ **Animations**
  - @keyframes
  - animation
  - animation-direction
  - animation-duration
  - animation-name
- ❖ **Selectors**
  - CSS combinations
  - Pseudo Elements

- ❖ **Gradients**
  - Linear Gradients
  - Radial Gradients
- ❖ **User Interface**
  - resize
  - box-sizing
  - outline-offset
- ❖ **CSS Filters**
  - Blur
  - Opacity
- ❖ **Media Query**
  - What is Responsive Web Design
  - Intro to the Viewport
  - The Viewport Tag
  - Media Queries
  - Tablet Styles
  - Mobile Styles
  - Making a Mobile Drop-down Menu
- ❖ **Web Fonts**
  - @font-face
  - font-family
  - src
  - font-stretch
  - font-style
  - font-weight
- ❖ **Flexbox**
  - flex-grow
  - flex-shrink
  - flex-basis
  - flex
  - flex-wrap
  - flex-direction
  - flex-flow
  - justify-content
  - align-items
  - order

## Module 5: JavaScript

- ❖ **Introduction to JavaScript**
  - Syntax
  - Statements
  - Comments
- ❖ **Enabling in various browsers Popups**
  - Boxes
    - Alert
    - Confirm
    - Prompt
- ❖ **Variables**
- ❖ **Operators**
  - Arithmetic
  - Assignment
  - Comparison
  - Logical
  - Relational
  - Ternary
- ❖ **Conditional Statements**
  - If else
  - if...else if...else
  - nested if
  - Switch
  - Loops
  - While
  - do...while
  - for
  - for...in Statement
  - Break
  - Continue
- ❖ **Functions**
  - User-defined Functions
  - Function Syntax
  - Function with Arguments
  - Returning Values from Functions
  - Built-in Functions
- ❖ **Events**
  - Introduction
  - Mouse
  - Events
  - Keyboard Events
  - Form Events
  - Document/Window Events

## ❖ Built-in Objects

- Number
- Strings
- Math
- Array
- Date
- Reg exp use in form validation

## Module 6: jQuery

- ❖ Getting Started with jQuery
- ❖ Selecting Elements
- ❖ Manipulating the Page
- ❖ Traversing the DOM and Chaining
- ❖ Handling Events
- ❖ Enhancing with Animation Effects
- ❖ jQuery Hide/show
- ❖ jQuery toggle()
- ❖ jQuery Slide method
- ❖ jQuery Fade method
- ❖ jQuery stop()
- ❖ jQuery Callback and Chaining
- ❖ jQuery text(),html() and val()
- ❖ jQuery css()
- ❖ jQuery
  - addClass(),removeClass(),toggleClass()
- ❖ jQuery Best Practices

## Module 7: Bootstrap Framework Lat's Version

### ❖ Introduction

- Introduction of Bootstrap
- What needs for Bootstrap
- Our First Web Page
- What's Inside?
- Scripts and Styles
- Bootstrap CDN Link
- Summary

### ❖ Layout with Bootstrap

- Introduction
- Grid Layouts
- Simple Layout
- Fixed Grids
- Responsive Design
- Responsive Utilities
- Summary

### ❖ Everyday Bootstrap

- Introduction
- Typography
- Tables
- Forms
- Buttons
- Images and Icons
- Summary

### ❖ Bootstrap Component

- Introductions
- Drop down Menu
- Buttons with Menus
- Tabs and Pill
- The Navbars
- Badges
- Summary

### ❖ Bootstrap and JavaScript

- Introduction
- More Buttons
- Modals
- Tooltips and Popovers
- Carousel
- Summary