

COURSE NAME	Web Development Course
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OBJECTIVE	In this course, students will learn the basics of designing and developing a web site. We'll take a look at design issues specific to web-based presentations, learn web page layout, effective navigation and delve into the design process. We examine some of the how-to's, in's, out's and pitfalls of using graphics, color and fonts on web pages as well as working with tables and CSS. Some site management techniques are covered, accessibility issues and working with domains and clients discussed.
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PREREQUISITE:	Working knowledge of Computers and Window
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DURATION	40 Hours
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OUTLINES	<p>Overview of HTML</p> <ul style="list-style-type: none">• Brief history of HTML /XHTML• How the web works — clients and servers• Browsers and rendering <p>The Basics of HTML</p> <ul style="list-style-type: none">• Hierarchical structure: elements (tags) and text• Basic XHTML document structure• Paragraphs• Whitespace and line breaks in XHTML• Headings• Phrase mark-up in XHTML• Hypertext links• Embedded images• Lists• Preformatted text• Special characters in XHTML• XHTML and Semantic markup <p>Simple design customization with CSS</p> <ul style="list-style-type: none">• Relationship between XHTML/HTML and CSS• Linking to a style sheet in a separate file• Examples of common customizations <p>Images and Objects</p> <ul style="list-style-type: none">• Bitmapped images• Types of image: GIF, JPEG, PNG• Image type tradeoffs• Creating images <p>Tables</p> <ul style="list-style-type: none">• Using tables for tabular data• Abusing tables for layout in XHTML• Basic table structure• Cells that span rows or columns• Cell alignment• Styling table cells
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Adobe Photoshop

- Graphics Designing
- Image editing
- Image for web
- Design layout
- Slicing

More CSS

- The box formatting model
- Borders
- Margins and padding
- Collapsing margins
- Formatting edges differently
- Background colors and background images
- Selectors
- Multiple selections
- Classes
- <div> and
- Descendant selectors
- Text appearance
- Typefaces
- Font sizes
- Other font properties
- Leading
- Text alignment and justification
- Cross browser compatibility issues and fixes

XHTML

- What is XML?
- Relationship between HTML and XHTML
- Why use XHTML?
- Changes in the document prologue
- Changes in element tags
- Handling empty elements

HTML and Scripting

- Server-side scripting: forms
- XHTML Form elements
- Client-side scripting
- JavaScript
- Form validation
- Other techniques.
- Examples

Embedding Multimedia

- Image maps
- Embedding flash movies
- Graceful degradation

Course Project: A website for a company for a small, medium or large organization.

EXIT PROFILE After this project you will be able to develop a static website completely
