

Web Designing & Web Development Course Syllabus

Computer & Internet Basics

- Basics of computers
 - How the Internet works
 - Web browsers and search engines
 - Domain names and web hosting
 - Static vs dynamic websites
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HTML (Web Page Structure)

Topics:

- Basic structure of HTML pages
- Headings, paragraphs, lists
- Links and images
- Tables
- Forms and input fields
- Semantic HTML elements

HTML is used to create the structure of web pages.

CSS (Website Design & Layout)

Topics:

- CSS syntax and selectors
- Colors, fonts, backgrounds
- Margin, padding, border (box model)

- Layout design
 - Flexbox and Grid
 - CSS animations and transitions
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Responsive Web Design

Topics:

- Mobile-friendly website design
- Media queries
- Mobile-first design
- Frameworks like Bootstrap

This helps websites work on mobile, tablet, and desktop screens.

JavaScript (Website Interactivity)

Topics:

- Variables and data types
 - Functions and events
 - DOM manipulation
 - Form validation
 - Loops and conditions
 - Interactive features like sliders and popups
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Front-End Frameworks

Popular tools:

- Bootstrap
- Tailwind CSS
- React (advanced)

These help build websites faster and with better UI.

Backend Development

Topics:

- Server-side programming
 - PHP basics
 - APIs
 - Authentication systems
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Database

Topics:

- Database concepts
 - SQL queries
 - MySQL database
 - Connecting database with websites
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Version Control

Tools:

- Git
- GitHub

Used to manage and store code projects.

SEO & Website Optimization

Topics:

- Search engine optimization
 - Meta tags
 - Page speed optimization
 - Website performance
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CMS (Content Management System)

- WordPress
- Website themes
- Plugins
- Website customization

Final Projects

Students build real projects like:

- Portfolio website
- Business website
- Blog website
- E-commerce website

