



TETHRAL WEB DEVELOPMENT CURRICULUM

COURSE OUTLINE

Week 1: Introduction to Web Development

- Introduction to web development
- How the web works
- Web structure
- Web tools
- Accessibility fundamentals

Week 2: Learning to Code (HTML)

- Introduction to HTML
- Elements and tags
- Creating a blog post
- Images, videos, and audio

- Advanced tags (table, form)
- Accessibility with HTML

Week 3: CSS

- Introduction to CSS
- Text, colors, and background
- Div and span
- Box styling (margin, padding)
- Flexbox, grid layout, and media queries
- Accessibility with CSS

Week 4: JavaScript

- Variables, data types, operators
- Loops
- Numbers, dates, timers
- DOM and event fundamentals
- Accessibility with JavaScript

Week 5: PHP (Basic)

- Introduction to PHP
- How PHP works

- PHP for WordPress

Week 6: No-Code Web Development (WordPress)

- Introduction to WordPress development
- Setting up a local development environment
- Theme and plugin development
- Posts and pages
- Gutenberg
- Building a blog

Week 7: Advanced WordPress

- Elementor
- Templates
- WordPress IDs and classes
- Building a landing page

Week 8: Responsive Design

- Header and footer
- Mobile responsiveness
- Creating a mobile login page

Week 9: Dynamic Integrations

- iFrame (Google Maps, Calendly)
- WooCommerce
- Payment gateway
- Google AdSense
- Building an online store

Week 10: Web Services

- The web server
- Control panels (cPanel, Plesk)
- Integration and hosting
- Web security

Week 11: Guest Speaker Session

- Invite a web developer from the industry to share their insights and experiences.
- Q&A session with students.

Week 12: Web Development Project

- Students work on their final projects.
- Consultation and feedback sessions.

Week 13: Project Presentation

- Students present their projects.
- Peer reviews and feedback.
- Program wrap-up and reflection