

Since 2007, Making IT Experts & Products

Course: AI-Powered Web Development

Duration: 10 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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AI-Powered Web Engineering

Module 1: Introduction to AI Web Development (1 Hour)

- * Introduction to AI-powered web engineering
- * Overview of ChatGPT, Gemini, and GitHub Copilot
- * Prompt engineering for website creation

Module 2: HTML and Website Structure (1 Hour)

- * HTML5 basics and semantic elements
- * Creating webpage layouts using AI-generated code
- * Building navigation, forms, links, and images

Module 3: CSS and Responsive Design (1 Hour)

- * CSS styling, colours, fonts, and layouts
- * Flexbox and CSS Grid fundamentals
- * Using AI to create responsive website designs

Module 4: JavaScript and Interactivity (1 Hour)

- * JavaScript basics, functions, and events
- * Creating interactive website components
- * Debugging JavaScript using AI tools

Module 5: AI-Assisted Frontend Development (1 Hour)

- * Generating reusable UI components
- * Creating buttons, cards, menus, and forms
- * Improving user experience with AI assistance

Module 6: Backend and API Integration (1 Hour)

- * Introduction to backend development

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- * Understanding REST APIs and JSON
- * Connecting website interfaces to external APIs

Module 7: Database and Form Integration (1 Hour)

- * Database fundamentals and SQL overview
- * Understanding form data processing
- * Using AI to generate and troubleshoot queries

Module 8: Testing, Debugging, and Security (1 Hour)

- * AI-assisted code review and error fixing
- * Website responsiveness and functionality testing
- * Basic security and performance optimization

Module 9: Deployment and SEO (1 Hour)

- * Introduction to web hosting and deployment
- * Deploying a website using a suitable hosting platform
- * SEO basics and website performance improvements

Module 10: Practical Project and Evaluation (1 Hour)

- * Build a responsive website using AI tools
- * Test and refine the website
- * Project demonstration and feedback

Learning Outcomes

- * Understand AI-assisted website development.
- * Create responsive webpages using HTML, CSS, and JavaScript.
- * Use AI tools for code generation, debugging, and optimization.

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- * Develop and deploy a basic website project.

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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