digibeez

WEB DEVELOPMENT COURSE SYLLABUS (3 MONTHS)

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Launch Your Web Dev Journey: 3-Month Course

This course covers the essentials of front-end and back-end development, equipping you with the skills to build dynamic websites and applications. We guide you from foundational HTML, CSS, and JavaScript to advanced concepts like React.js, Node.js, and deployment.

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Unveiling the Foundations: Month 1

Week 1: Intro to Web Development

Dive into the world of web development: Front-end (user interface), back-end (server-side logic), and full-stack (both). Master the essential tools: text editors like VS Code, web browsers, and version control system Git. Understand the basics of internet communication, including DNS, HTTP/HTTPS protocols, and web hosting services.

Week 2: Building the Structure with HTML

Learn the building blocks of web pages with HTML. Master the basics of HTML5 elements, including forms for user interaction, media (audio/video) integration, and creating tables for data display. Develop best practices for semantic HTML for better organization and accessibility.

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Styling Your Creations: CSS

Week 3: CSS Fundamentals

Explore CSS and its role in styling web elements. Learn how to control colors, fonts, spacing, and more using CSS properties. Discover the power of Flexbox and Grid for responsive design, ensuring your websites look great on any device.

Week 4: Introducing JavaScript

Discover the magic of JavaScript, the language that brings life to websites. Master basic syntax, learn about variables, functions, and loops for dynamic behavior. Explore basic DOM manipulation and events, adding interactivity to your web pages.

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Boosting Your Skills: Month 2

Week 5: Advanced CSS Techniques

Take your CSS skills to the next level with animations and transitions for dynamic visuals. Explore CSS preprocessors like SASS/SCSS for efficient coding. Deepen your understanding of responsive design principles and implement advanced media queries for a seamless experience across devices.

Week 6: Mastering JavaScript

Dive into advanced JavaScript concepts, including ES6+ features like arrow functions, Promises, and Modules for cleaner code. Explore API interactions with Fetch for retrieving data from external sources. Learn the importance of debugging and error handling for efficient development.

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Collaboration and Control: Version Control

Week 7: Git and GitHub

Master the essential tools for version control: Git for tracking changes and collaborating with others, and GitHub for hosting repositories and collaborating online. Learn the fundamentals of cloning, committing, branching, and merging for efficient code management. Develop the skills to collaborate effectively on shared projects.

Week 8: Front-end Frameworks

Get acquainted with popular front-end frameworks. Learn the basics of React.js, a JavaScript library for building interactive user interfaces. Discover the concept of components, props, and state for managing data and building reusable elements. Understand the virtual DOM for efficient rendering and updates.

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Building Your Backend: Month 3

Week 9: Back-end Essentials

Explore the world of back-end development with Node.js, a powerful JavaScript runtime environment. Learn about Express.js, a framework for building web applications. Set up a server and gain a deep understanding of REST APIs for interacting with databases. Explore the basics of database integration, including MySQL and MongoDB, for storing and managing data.

Week 10: Connecting the Pieces

Bring your front-end and back-end skills together for full-stack development. Learn to connect your front-end applications with the back-end for data exchange and seamless user interactions. Master CRUD operations (Create, Read, Update, Delete) with a database for data management. Dive into authentication methods like JWT and OAuth for secure user access.

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Building Your Dream Project

Week 11: Project Development

Plan and build a full-stack web application, putting your combined skills to the test. Learn how to deploy your applications to popular hosting platforms like Netlify, Vercel, or Heroku for public access. Integrate version control and explore the fundamentals of CI/CD (Continuous Integration/Continuous Deployment) for automated testing and deployment.

Week 12: Final Touches

Prepare and present your final project to showcase your acquired skills. Receive feedback and guidance for further improvement. Earn your well-deserved certification, marking your successful completion of the web development course.

Join Our Web Dev Community

This course offers a structured and comprehensive learning path with expert instructors and a supportive community. Reach out to us with any questions or to learn more about our fees structure and payment options. Let's embark on your exciting journey into the world of web development together!

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Fees Structure

1. Total Fees: ₹30,000 - ₹40,000 (based on market standard).

2. Payment Options:

   Registration Fee: ₹5,000.

   Monthly Installments: ₹10,000 per month.

3. Group Discounts:

   5 - 10% discount for group enrolments (3+ students).

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