TECHNOCATION FREELANCING TRAINING INSTITUTE & SOFTWARE HOUSE

3 MONTHS FULL STACK WEB DEVELOPMENT BASIC LEVEL CERTIFICATION COURSE OUTLINE

Module 1: Introduction to Web Development

- First, understand what web development means and how websites work online.
- Next, learn the difference between frontend and backend development clearly.
- Then, explore simple examples of modern websites and web applications.
- Finally, install basic tools needed for web development practice.

Module 2: HTML Fundamentals

- First, learn HTML structure and basic tags for creating web pages.
- Next, create headings, paragraphs, and lists using simple HTML tags.
- Then, add images and links to connect different pages easily.
- Finally, build your first simple webpage using HTML.

Module 3: CSS Basics

- First, understand CSS and how it styles web pages visually.
- Next, apply colors, fonts, and spacing to improve page design.
- Then, use CSS classes and selectors to organize styling properly.
- Finally, create a simple styled webpage layout.

Module 4: Responsive Design

- First, learn why responsive design matters for mobile users.

- Next, use flexible layouts and media queries in CSS.
- Then, test the webpage on different screen sizes.
- Finally, improve design to work smoothly on all devices.

Module 5: JavaScript Basics

- First, understand JavaScript and how it adds interaction to websites.
- Next, write simple scripts for alerts, variables, and functions.
- Then, use events to respond to user actions quickly.
- Finally, create a small interactive webpage project.

Module 6: DOM Manipulation

- First, learn how JavaScript connects with HTML elements.
- Next, change text, colors, and content using DOM methods.
- Then, respond to button clicks and user input dynamically.
- Finally, build a simple dynamic webpage example.

Module 7: Version Control with Git

- First, understand why developers use version control systems.
- Next, install Git and create your first repository.
- Then, commit changes and track project history easily.
- Finally, push your code to GitHub repository.

Module 8: Backend Introduction

- First, learn what backend development means in web applications.
- Next, explore Node.js and how servers handle requests.
- Then, create a basic server using simple commands.
- Finally, connect backend logic with a webpage.

Module 9: Databases Basics

- First, understand why databases store application information safely.

- Next, explore simple database concepts like tables and records.
- Then, use basic queries to insert and read data.
- Finally, connect a database with the backend server.

Module 10: APIs and Data Exchange

- First, learn what APIs are and why developers use them.
- Next, send requests and receive data from APIs.
- Then, display API data on a webpage dynamically.
- Finally, build a small API integration example.

Module 11: Project Development

- First, plan a simple full stack website project clearly.
- Next, design frontend pages using HTML, CSS, and JavaScript.
- Then, connect backend and database for dynamic features.
- Finally, test and improve the project carefully.

Module 12: Certification and Course Completion

- First, review all modules and practice learned concepts again.
- Next, complete a final full stack website project.
- Then, submit the project for evaluation and feedback.
- Finally, receive your Full Stack Web Development Certificate.