



TECHTAN Course Brochure

2024



MISSION AND VISION

Mission

Empowering individuals with tailored tech education in a sophisticated environment. We foster excellence, integrity, and empowerment, guiding learners to thrive in the digital era with personalized attention and industry expertise.

Vision

To be the premier destination for classy tech education, inspiring lifelong learners to unlock their full potential and lead with confidence in the ever-evolving world of technology.

CORE VALUES

We uphold the highest standards of integrity, transparency, and ethical conduct in all our interactions, building trust with our clients, partners, and community through honesty, accountability, and respect.

We foster a culture of collaboration, teamwork, and inclusivity, valuing diverse perspectives and leveraging collective strengths to drive innovation, foster creativity, and achieve shared goals in the tech community.

We strive for excellence in tech education, delivering high-quality programs and services that exceed expectations, foster innovation, and empower individuals to achieve their goals in the digital realm.

We believe in the power of education to empower individuals and transform lives. We empower learners to unlock their full potential, embrace lifelong learning, and thrive in the digital age.

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Embrace the elegance of luxury,
and the power of perpetual
learning in tech. In our journey,
we fuse opulence with expertise,
crafting a legacy where
innovation meets refinement.

SEGUN

FRONTEND WEB DEVELOPMENT

1: Introduction to Web Development

- Basics of web development and the Role of frontend development
- Introduction to HTML, CSS, and JavaScript
- Setting up the development environment

2: HTML Fundamentals

- Structure and semantics of HTML
- Working with tags, attributes, and elements
- Creating forms and handling user input

3: CSS Fundamentals

- Introduction to CSS and its syntax
- Selectors, properties, and values in CSS
- Applying styles to HTML elements

4: Responsive Web Design

- Creating responsive layouts using CSS media queries
- Designing for different screen sizes and devices
- Mobile-first development approach

5: CSS Layouts and Flexbox

- CSS box model and positioning techniques
- Creating grid-based layouts with CSS Grid
- Flexbox for flexible and responsive layouts

6: CSS Transitions and Animations

- Creating smooth transitions and animations using CSS
- CSS keyframes and animation properties
- Adding interactivity to web pages with CSS animations

7: Introduction to JavaScript

- Basics of JavaScript programming language

- Variables, data types, and operators in JavaScript
- Control flow and loops in JavaScript

8: JavaScript DOM Manipulation

- Manipulating the Document Object Model (DOM) with JavaScript
- Selecting and modifying HTML elements using JavaScript
- Handling events and user interactions with JavaScript

9: JavaScript Functions and Objects

- Creating and using functions in JavaScript
- Introduction to JavaScript objects and properties
- Object-oriented programming concepts in JavaScript

10: JavaScript Libraries and Frameworks

- Introduction to popular JavaScript libraries (e.g., jQuery)
- Overview of frontend frameworks (e.g., React, Vue, Angular)
- Working with external libraries and APIs

11: Advanced CSS Techniques

- Advanced CSS selectors and pseudo-classes
- CSS preprocessors (e.g., Sass, Less) and CSS frameworks
- CSS best practices and performance optimization

12: Frontend Development Project

- Applying the skills learned throughout the course to a real-world frontend development project
- Building a responsive and interactive web application
- Testing, debugging, and deploying the project.

FRONTEND WEB DEVELOPMENT

13: Introduction to React

- Introduction to React and its core concepts
- Setting up a development environment with Create React App
- JSX Syntax and Rendering Elements
- Components and Props
- State and Lifecycle Methods

13: Advanced React Concepts

- Handling Events and Form Inputs
- Conditional Rendering and Lists
- Component Composition and Styling
- Introduction to React Hooks
- Using Hooks for State and Side Effects

14: State Management and Routing

- Managing State with Context API
- Global State Management with Redux (Introduction)
- Asynchronous Data Fetching with React
- Routing with React Router
- Authentication and Protected Routes





About us

At Techtan, we understand that the digital landscape is ever-evolving, and navigating it can be daunting. That's why we've created a tech hub designed to empower individuals with the skills and knowledge needed to thrive in today's digital era. We provide top-notch tech education in a clean, calm, and classy atmosphere. We believe that learning should be an enriching experience, which is why we've curated a team of expert instructors who are passionate about sharing their knowledge and guiding learners through their tech journey with personalized attention and support.

ADDRESS

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