

DIGITAL पाठशाला

ONLINE TEACHING LEARNING PLATFORM



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Elevate Your Web Development Skills



Welcome to Digital Pathshala, where we're thrilled to introduce our Next.js course, designed to propel your web development journey to new heights. As technology evolves, so does the need for cutting-edge skills, and our Next.js course is crafted with this in mind.

Why Choose Digital Pathshala?

At Digital Pathshala, we're not just an educational platform; we're architects of your success. Our transformative approach to learning extends beyond conventional boundaries, bringing you accessible and engaging education regardless of your background or financial constraints.

Course Overview

The Next.js course for beginners is designed to introduce students to the world of Next.js, a popular React framework for building web applications. However, it's important to note that this is not a course for absolute

beginners in web development. The course assumes that students already have a solid understanding of HTML, CSS, JavaScript, and React.

Prerequisites for the Course:

- **HTML**
 - Students should be comfortable creating and structuring web pages using HTML
- **CSS**
 - Students should be able to style web pages using CSS, understanding properties like Display, position, z-index, etc.
- **JavaScript**
 - Students need to have a good understanding of JavaScript, including Syntax, Functions, ES6+ features, Objects, Array, and other Basic Concepts.
- **React**
 - As Next.js is a framework built on top of React, it's crucial that students have a basic understanding of React concepts such as JSX, components, state, props, and hooks. However, if a student is not already familiar with these concepts, the course should provide a refresher or an introduction to these topics as part of the learning process.

Embark on a journey of innovation with Digital Pathshala's Next.js course. Unleash the power of dynamic web development and elevate your career prospects. Join us as we redefine the future of education, one line of code at a time.

Detailed Syllabus:

- NEXT.js

- Introduction to Next.js

- Understanding Next.js and its benefits

- Setting up the Development Environment

- Installing Node.js and setting up the development environment
- Creating a new Next.js project using **create-next-app**
- Structure of a Next.js project and understanding the **pages** directory.

- Routing and Page Creation

- Understanding the page-based routing system in *Next.js*
- Creating static pages in Next.js
- Creating Nested Routes
- Creating dynamic routes and understanding the `[]` & `[[]]` syntax
- Creating Nested Dynamic Routes
- Creating Route Groups
- Navigation between pages
- Creating a Not Found page
- Catch all segments

- Layout

- Creating a layout component to wrap your pages
- Creating Nested Layouts, Route Group Layout



- **Data Fetching and Server-Side Rendering**

- Understanding server-side rendering (SSR) and its benefits
- Fetching data in Next.js and displaying it on pages
- Implementing server-side rendering for dynamic routes
- Creating API Routes

- **Client-Side Components and Styling**

- Creating client-side components in Next.js
- Adding styles using CSS and styled-jsx, understanding the scope of styles

- **Building a Full Web Application**

- Designing and implementing a complete web application using the concepts learned
- Deploying the web application

At the end of the course, students will be required to build a web application using Next.js to demonstrate their understanding and application of the concepts learned during the course.

This will serve as the final project for certificate eligibility.

Note:

1. Your seat will only be recorded as reserved once payment has been received.
2. You'll be provided with everyday recordings so you can revise anytime.

