



React.js Development Course

Course Overview

The **React.js Development Course** is a comprehensive, job-oriented program designed to help students build modern, responsive, and high-performance web applications using React.js. The course covers React fundamentals, components, hooks, routing, API integration, state management, form handling, authentication, performance optimization, and real-world project development. By the end of the course, you'll be able to develop professional Single Page Applications (SPAs) and prepare for frontend developer roles.

Course Duration

- **Duration:** 2.5 Months
 - **Mode:** Online / Offline
 - **Classes:** 5 Days per Week
 - **Live Projects:** 6+
 - **Assignments:** 50+
 - **Portfolio Development:** Included
 - **Certificate:** Included
 - **Placement Assistance:** Included
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Course Fee

₹8,000/- Only

Course Modules



Module	Topics Covered
Module 1	JavaScript ES6+ Refresher
Module 2	React.js Fundamentals
Module 3	Components & JSX
Module 4	React Hooks
Module 5	Routing & Navigation
Module 6	Forms & API Integration
Module 7	State Management
Module 8	Authentication & Protected Routes
Module 9	Live Projects & Deployment

Detailed Course Content

Module 1: JavaScript ES6+ Refresher

- let, const & var
 - Arrow Functions
 - Template Literals
 - Destructuring
 - Spread & Rest Operators
 - Modules (Import & Export)
 - Promises
 - Async & Await
 - Array Methods
 - Object Manipulation
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Module 2: React.js Fundamentals



- Introduction to React
 - Installing React
 - Project Structure
 - React Folder Architecture
 - JSX Basics
 - Virtual DOM
 - Rendering Elements
 - Functional Components
 - Component Lifecycle Overview
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Module 3: Components & JSX

- Creating Components
 - Nested Components
 - Props
 - Props Drilling
 - Conditional Rendering
 - Lists & Keys
 - Event Handling
 - Reusable Components
 - Component Styling
 - CSS Modules
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Module 4: React Hooks

- useState
 - useEffect
 - useRef
 - useMemo
 - useCallback
 - Custom Hooks
 - Hook Rules
 - Managing Side Effects
 - Local Storage
 - Custom Utilities
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Module 5: Routing & Navigation

- React Router DOM
 - Browser Router
 - Routes & Route
 - Navigation
 - Dynamic Routes
 - URL Parameters
 - Nested Routes
 - Navigation Guards
 - 404 Page
 - Layout Components
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Module 6: Forms & API Integration

- Controlled Components
 - Form Validation
 - Axios
 - Fetch API
 - REST API Integration
 - CRUD Operations
 - Loading Indicators
 - Error Handling
 - JSON Server
 - Environment Variables
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Module 7: State Management

- Context API
- Global State
- Reducers
- useReducer Hook
- State Sharing
- Application Architecture
- Basic Redux Toolkit Introduction
- Best Practices



Module 8: Authentication & Protected Routes

- Login System
 - JWT Authentication
 - Token Storage
 - Protected Routes
 - Logout Functionality
 - User Session Management
 - Authorization Basics
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Module 9: Live Projects & Deployment

- Portfolio Website
 - Student Management System
 - E-Commerce Frontend
 - Admin Dashboard
 - Task Management App
 - Weather Application
 - Movie Search App
 - Blog Application
 - Firebase Deployment
 - Vercel Deployment
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Technologies Covered

- React.js 19
- JavaScript (ES6+)
- JSX
- React Hooks
- React Router DOM
- Context API
- Axios
- Fetch API
- REST APIs



- Bootstrap 5
 - Tailwind CSS
 - CSS Modules
 - Vite
 - npm
 - Git & GitHub
 - Firebase
 - Vercel
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Live Projects

- Personal Portfolio
 - Student Management System
 - Task Management Application
 - Weather Application
 - Movie Search Application
 - E-Commerce Frontend
 - Admin Dashboard
 - Blog Website
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Career Opportunities

After completing this course, students can apply for roles such as:

- React.js Developer
 - Frontend Developer
 - React Frontend Engineer
 - UI Developer
 - JavaScript Developer
 - Web Application Developer
 - Frontend Software Engineer
 - Software Developer
 - React UI Developer
 - Freelance React Developer
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Prerequisites

- Basic HTML & CSS Knowledge
 - Basic JavaScript Knowledge
 - Suitable for Students, Freshers, and Working Professionals
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Certification

Upon successful completion of the course, students will receive:

- React.js Development Course Completion Certificate
- Live Project Certificate
- Internship Certificate (*if applicable*)
- Placement Assistance & Interview Preparation Support



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