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COURSE NAME: REACTJS TRAINING

Module 2

[Visit our website for Course Fees and Course Duration](#)

Placement Eligibility:

Eligible: Any Bachelor Degree, Any Master Degree, MBA

No Eligible: Diploma

Class Mode:

Classroom | Online | Recorded Session | AI Session

If you have Completed Course, You want only Placements

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REACT JS MODULE 2 SYLLABUS

HTML5

- Introduction
- What is difference between HTML and HTML5?
- HTML Overview
- DOCTYPE
- HTMLAttributes
- Text Formatting
- Script tag
- Link tag
- Image tag
- Div tag
- Span tag
- Paragraph
- HTMLTables
- HTML Lists
- Iframes
- Semantic Element
- HTML Media
- HTML Audio and HTML Video

CSS3

- What is CSS?
- CSS Inclusion
- CSS Fonts



- CSS Text
- CSS links
- CSS Tables
- Margin property
- Padding property
- CSS Lists Styles
- CSS Cursors
- CSS Overflow
- CSS Position
- Pseudo Classes
- Pseudo Elements
- Animation
- Media Query
- Box Sizing Flex and Grid



JAVASCRIPT

- Introduction
- Variable Declaration
- Arithmetic Operations
- Array
- Array Methods
- String
- String Method
- JavaScript Function
- Function Closure
- Regular Expression
- Error Handling DOM

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- Event Listener
- Date Methods
- Object
- E6 Features Async Concept

REACT JS

Introduction to React

- What is React?
- Why React?
- React version history
- React 16 vs React 15
- Just React – Hello World
- Using create-react-app
- Anatomy of react project
- Running the app
- Debugging first react app



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Templating using JSX

- Working with React.Create Element
- Expressions
- Using logical operators
- Specifying attributes
- Specifying children

It's all about components

- Significance of component architecture

- Types of components
- Functional
- Class based
- Pure
- Component Composition

Working with state and props

- What is state and its significance
- Read state and set state
- Passing data to component using props
- Validating props using prop Types
- Supplying default values to props using default Props

Rendering lists

- Using React key prop
- Using map function to iterate on arrays to generate elements

Event handling in React

- Understanding React event system
- Understanding Synthetic event
- Passing arguments to event handlers

Understand component lifecycle

- Understand component lifecycle

Working with forms

- Controlled components
- Uncontrolled components
- Understand the significance to default Value prop
- Using react ref prop to get access to DOM element

Routing with react router

- Setting up react router
- Understand routing in single page applications
- Working with Browser Router and Hash Router components
- Configuring route with Route component
- Using Switch component to define routing rules
- Using Switch component to define routing rules
- Making routes dynamic using route params
- Working with nested routes
- Working with nested routes
- Redirect routes using Redirect Component
- Using Prompt component to get consent of user for navigation
- Path less Route to handle failed matches

Just Redux

- What is redux
- Why redux
- Redux principles
- Install and setup redux
- Creating actions, reducer and store

Immutable.js for immutable data structures

- What is Immutable.js?
- Immutable collections

- Lists
- Maps
- Sets

React Redux

- What is React Redux
- Why React Redux
- Install and setup
- Presentational vs Container components
- Understand high order component
- Understanding mapStateToProps and mapDispatchToProps usage

New Features in React JS

- Understand error boundaries (new in React 16)
- Understand react portals (new in React 16)

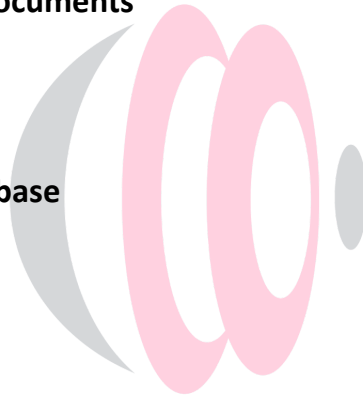
Server-side rendering with React

- What is server-side rendering (SSR)?
- Why SSR
- Working with render To String and render To Static Markup method

MongoDB

- Overview
- History and overview of MONGODB
- Advantages
- How it differs from other DataBase
- Environment Setup
- Setting up the environment and installation of MongoDB

- **Data modeling**
- **Exploring Data modeling**
- **Creating and Dropping DB**
- **Creating DB in Mongo**
- **Dropping an existing DB**
- **Data Types and collections**
- **Creating and dropping collections**
- **Documents**
- **Creating Documents**
- **Updating and Deleting Documents**
- **Query Documents**
- **Backup support**
- **Creating Backup for database**
- **Adhoc Queries**
- **Aggregation Pipeline**



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