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FITA is a leading Skill development and Placement company managed by IT veterans with more than two decades of experience in leading MNC companies. We are known for our practical approach towards trainings that enable students to gain real-time exposure on competitive technologies & Foreign Languages.

***Transforming Students & IT
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STARTS
FROM
HERE**

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**EXPERT
TRAINERS**

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100%

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2

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OUR STUDENTS WORKS AT:

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 **InfoWave**

 **VenPep**
SOLUTIONS

 **NDTV**
தமிழ்

 **Sify**

 **infinix**

 **Codoid**

 **CognitiveMobile**



User Interface (UI) Developer

Introduction to Websites

- What is a Webpage
- Introduction to HTML
- Creating a simple HTML Document
- Viewing HTML Document with Browsers
- Introduction to different Web Browsers – IE, Chrome, Mozilla, Safari, UC Browser
- Webpage Vs Website
- URLs / Domains
- Web Servers and Web Hosting

HTML

- Elements of a HTML Document
- Understanding HTML Tags
- HTML Editors
- Creating a Simple HTML Document
- Adding Attributes to Tags
- Handling Texts in HTML
 - Headings
 - Paragraphs
 - Formatting Texts
 - Managing Blocks with <Div> Tag
 - <Div> - Id's and Class
 - Line Breaks
 - Managing Lists
- HTML Styles
 - Controlling Fonts and Size
 - Alignment
 - Applying Colors
 - Foreground and background colors
- HTML Tables
 - Creating a Table
 - Managing Columns
 - Table Borders
 - Border Spacing
- Handling Images
 - Adding Image
 - Formatting Image
 - Handling Size of an Image
 - Aligning Images
 - Adding Animated Images
 - Background Images

- Handling Layouts
- HTML Forms
 - Introduction to HTML Forms
 - Form Elements
 - Form Input and Attributes

Introducing HTML 5

- HTML Vs HTML 5
- New Elements in HTML 5
- New Form Elements in HTML 5
- Handling Audio & Video
- Handling Graphics
 - Canvas
 - Handling SVG
- Handling Events
- HTML 5 APIs
 - Geolocation
 - Drag / Drop
 - Web Storage
 - Advantage of Web Storage over Cookies
 - Session based Web Storage
- Web Workers
 - Purpose of Web Workers
 - Advantages of using Web Workers
 - Creating and Running a Web Worker
 - Terminating a Web Worker
 - Reusing a Web Worker

Introducing CSS and CSS 3

- What is a Style Sheet
- Cascading Effect of a Style Sheet
- Inline and External CSS
- CSS Selectors – IDs and Classes
- Understanding Layouts
- Absolute, Relative and Fixed Positioning
- Advanced CSS
 - Transformations
 - Responsive Layouts and Media Queries

Simplifying CSS with Bootstrap

- Introducing Boot Strap Framework
- Advantages of Bootstrap Framework over CSS
- Responsiveness with Bootstrap

- Bootstrap Grids
- Bootstrap UI Components
 - Buttons, Tables, Menus, Carousels, Dropdowns, Alerts

JavaScript

- Introduction to Javascript
- Necessity for Javascript
- Javascript Structure and Elements
- Operators and Functions
- Control Structures
- The Document Object Model (DOM), Objects and Nodes
- Handling DOM using Javascript
- Javascript Events
- Animating UI Elements

Jquery Framework

- What is Jquery Framework
- Advantages of Jquery
- Integrating Jquery through CDNs
- Understanding Jquery Selectors
- UI Components
 - Buttons, Lists, Toolbars, Menus,
- Handling Forms using Jquery
- Jquery Events
- Understanding Ajax
- Implementing Ajax

TypeScript

TypeScript Framework

- Introduction to TypeScript
- Advantages of TypeScript
- Overview of Node and Node Environment Setup
- Installing and Configuring TypeScript Engine
- Understanding Transpilation

TypeScript Variables and Data types

- Declaring and Defining Variables
- About “any”
- “var” Vs “let” keywords
- Static and Dynamic Type
- Data types : String, Number, Array, Object, Tuple, Enum, Void and NULL

OOPS in TypeScript

- Defining Class and Creating Objects
- Property, Methods and Constructors
- Handling Inheritance
- Types of Inheritance in TypeScript
- Understanding Access Modifiers
- Static Methods in TypeScript
- Understanding Interfaces in TypeScript

ReactJS – Introduction and Features

- The Need for ReactJS
- Advantages of Features of React JS
- Understanding Single Page Applications - SPA
- Exploring the Component based Architecture
- Understanding React Syntax

ReactJS – Essentials

- Understanding NodeJS
- Using the NPM
- Using Webpack for ReactJS
- Choosing the right IDE
- Understanding Browser Plugins
- Working with various Browsers and Browser Plugins
- Understanding React Syntax
- Understanding and using React-dom.js
- Understanding Babel

ReactJS – Using Nodes

- Exploring React Nodes
- Advantages of using React Nodes
- Defining and using Node Attributes
- Using Element Factories
- Understanding and using Node Events
- Understanding and manipulating DOM

ReactJS – The Java Script Xtension: JSX

- Introduction to JSX
- Understanding JSX Format
- Using React Nodes with JSX
- Understanding JSX Rendering
- Using Expressions and Comments
- Creating and Managing JSX Attributes and Properties
- Handling Events using JSX
- Understanding JSX code to Javascript Compilation

ReactJS – Understanding Components

- Understanding React Components
- Exploring various types of React Components
- Advantages of using React Components
- Creating and Managing React Components
- Referring a Component
- Understanding the Components Life Cycle
- Exploring various Life Cycle Methods
- Component willMount, didMount and willUnmount
- Component willUpdate and DidUpdate
- Understanding to access sub-components or Child components
- Creating and Managing Component Events
- Understanding Components Props
- Learning Setting a Default Components Props
- Sending and Getting Components Props
- Setting up Components Props Validation
- Understanding Components State
- Working with Components State
- Understanding Components State Vs Components Props
- Creating and Managing Stateless Components Functions

ReactJS – Creating UI, Forms and Handling Events

- Understanding Forms in React
- Exploring various Form Components
- Handling User Inputs
- Fixing up Default Values
- Understanding Form Validations
- Exploring ReactJS UI Components
- Working with Styling Components

- Understanding In-line Styles and External Styles
- Exploring various UI Component Libraries
- Handling Events in ReactJS
- Handling Events – Mouse Events, Keyboard Events and OnChange Events

ReactJS – State Management using Redux and Flux Views

- Understanding Application States
- The Power of Redux for React
- Understanding Flux Views
- Advantages of Redux and Flux with React
- Managing States with Redux
- Learning and using the Redux Store
- Learning the Flux Architecture
- Using various Flux Components
- Using Stores and Dispatchers
- Understanding Actions, Views and Controllers
- Using View Controllers
- Handling with Reducers and Dispatchers
- Using Selectors

ReactJS – Routing

- Understanding Routers in React
- Learning to Configure React Router
- Understanding Router Library
- Learning to use Parameters in Routing
- Exploring Nested Routing
- Using React Router with Redux

ReactJS – Handling API Calls

- Understanding APIs and Web Services
- Understanding the need for External Data
- Understanding HTTP requests and responses
- Using Fetch and Axios to manage Web service calls

Eslint & coding conventions

Debugging tools and strategies