

## React Js Programming Language

### Top-Level Content

- JavaScript – Basics and In-depth
- React – Basics and In-depth
- Node – Basics
- React with Node

### JavaScript

- Basics of JavaScript.
- JavaScript in depth.
  - Creating classes
  - Creating private/public/global fields
  - Creating private/public/global functions
  - Dynamic rendering with JavaScript Events

### React

- Introduction to React
- Original DOM vs Virtual DOM
- React Components
- React Components with JSX
- React Components with ES6

### Node

- Basics of Node and Installation.
- Introduction to Npm
- Adding and removing modules

### React with Node

- Creating an application using Create React App.
- Life Cycle
- Debugging
- Default values
- SetState in depth

### React with Node

- Creating Table
- Handling Events
- Applying Filters
- JSX in depth
- Validations
- Applying Styles
- Backend calls
- Stateful Components
- Stateless Components
- Local Storage
- Routing
  - Basic Routing and Passing Params
  - Hyperlinks
- Master Pages
- Reconciliation
- Creating Reusable Components
- React. Component vs React.pure Component
- Composition vs Inheritance
- Code Reusability and Optimization
- Fragments
- Bundling
- Deploying

### Integration of 3<sup>rd</sup> party Modules

- Ant Design
- Bootstrap Controls
- Material UI
- Toast Messages for notifications

### Others

- Other Debugging Options
- Developer Tools
- Current Applications developed in React