

# ReactJS Syllabus

## **React**

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

## **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
- Creating Forms
- 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 3rd party Modules**

- Google Maps
- Bootstrap Controls
- Material UI
- Toast Messages for notifications

## **Others**

- Other Debugging Options
- Developer Tools
- Current Applications developed in React
- Future of React.
- Introduction to Starter Kits
- Integration with other libraries