Course Outline

* **Introduction to the ReactJS** (1hr)
  + - ReactJS – History
    - Comparison between other library/frameworks
    - When, Where and How to use
    - How it’s work – Virtual DOM
* **Setting up Project**(1hrs)
  + - Intro to Text Editors
    - Node.Js , npm, Babel & node\_module
    - Webpack
    - Package.json
    - Server configuration
    - Bundle.js
* **React Presentational Components**(12hrs)
  + - HelloWorld - Starting with a sample
    - JSX & ES6
    - Props & State
    - Data transfer between components
    - PropTypes, and Stateless Functional Components
    - Utility functions – Lodhash.js, Hotload, Debugging tool
    - Conditional rendering
    - CSS/Bootstrap in React – Conditional styling
    - Handling events in React
    - Form Validations in React
    - Router – Intro to SPA Navigation functionality
    - React Containers
    - React component Lifecycle

**Redux Architecture – A state machine**(4hrs)

* + - Why Redux
    - Store
    - Actions
    - Reducers
    - ReactJS-Redux with Web API/RESTful service – by using axios.js
* **Live Project** – Advanced (6hrs)
  + - Production project architecture
    - Develop a sample Project based on the above topics
    - Best practices
    - Real time Scenarios and Solutions