**Front End**

**Introduction**

* + Overview of Web and Internet
  + Differnece between Languages and Scripts
  + Client side and Server side Programming
  + What is HTML?
  + Versions of HTML
  + Structure Of HTML
  + How html content is transferring data between browser and server
  + Types of Webpages
  + Introduction To Doctypes

**HTML Tags**

* + Types of tags
  + Explanation about html, head and body tags
  + Input controls and attributes
  + How to divide web page with div tag
  + Formating Tags
  + Link Tags
  + How to create order list and unordered list
  + Table tag
  + Form tag
  + Frame Tag
  + How to provide Meta key words
  + What is Meta Description?

**Attributes**

* What is attribute?
* Attributes of html controls

**Events**

* What is event and how to use?
* Dynamic html with events

**Styling**

* What is style object?
* Properties of style
* Applying styles to elements
* Changing style properties with events

**Advanced HTML**

* How to embed the external plug-in in html document
* How can we display videos on browsers using html tags?
* How to embed external web pages in html page
* Resolving cross browser issues.
* What is new in HTML5?

**HTML 5 tag reference-XHTML**

**CASCADING STYLE SHEETS**

**Introduction**

* What is CSS?
* Advantages of CSS
* Why CSS?
* Syntax and Anotomy of CSS

**Types of Stylesheets**

* External style sheet
* Internal style sheet
* Inline style

**Types of Selectors**

* Global
* Class
* Id
* Grouped
* Descendant

**Div’s & Span tags**

* Background
* background-color
* background-image
* background-repeat
* background-attachment
* background-position

**Font**

* font-family
* color
* font-size
* font-style
* font-variant
* font-weight

**Text**

* letter-spacing
* Word-spacing
* line-height
* text-decoration
* text-transform
* vertical-align

**INTRODUCTION TO CSS-3.0**

**JAVASCRIPT**

**Introduction to javascript**

* Introduction of client side script
* Introduction of javascript
* Cross browser issues.
* Declaration syntax of javascript
* Statements
* Comments
* Popup Boxes
* Alert
* Confirm
* Prompt
* Variables, Arrays and Operators
* Variables
* Operators
* Arithmetic
* Assignment
* Comparison
* Logical

**Document object model**

* Functions and types
* Conversion functions

**Conditional statements**

* if
* if…else
* if…else if…else
* Switch

**Loops**

* while
* do…while
* for
* for…in Statement
* Break
* Continue

**Window object Document object Arrays**

* Associative Arrays
* Array Properties and Methods

**Advanced JavaScript**

* Date object
* This object
* Event object
* State managament
* Cookie
* Form validation
* Expressions
* Email validation
* Dynamic functionalities of html controls

**ReactJS Course Content**

**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
* 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