VUE JS SYLLABUS

By A1Training(PT)

Course Name	Vue js
Category	Javascript
Mode Of Classes	Online/Offline
Demo Classes	At Your Convenience
Training Methodology	20% Theory & 80% Practical
Course Duration	30-35 Hours
Class Availability	Weekdays & Weekends
For Demo Class	Call - +91-8368 979712, 63804 86914 Email ID – a1projecttraining@gmail.com

Why A1Training?

- Training by highly experienced and certified professionals
- No slideshow (PPT) training, fully Hand-on training
- Interactive session with interview QA's
- Real-time projects scenarios & Certification Help
- Most competitive & affordable course fees
- Placement support for all courses
- List of established & satisfied clients & students (Visit our website for reviews).

Module 1: Introduction to Vue.js

- **What is Vue.js**
- **Why Vue.js**
- **Quick tour of Vue-cli**
- **Hello World with Vue.js**
- **Anatomy of Hello world vue app**

Module 2: Working with Template & view model

- **What is vue.js template**
- **What is viewmodel / vue instance?**
- **Template syntax**
  - o **Interpolation**
  - o **Directive**
  - o **Filters**
  - o **Shorthands**
- **Javascript expressions**
- **Computed properties**
- **Watchers**
- **Class and style bindings**
  - o **HTML classes**
  - o **Inline styles**
- **Conditional Rendering**
- **Iterative Rendering**

Module 3: Vue instance revisited

- **Basic vue instance usage**
- **Multiple vue instances**
- **Vue instance Lifecycle**
- **Accessing data from outside vue instance**
- **Data and methods**
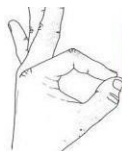- **More about $el, $data and $refs**

Module 4: Event handling

- **Introduction**
- **Listening to events**
- **Method Event handlers**
- **Event modifiers**
- **Key modifiers**

Module 5: Working with Forms and Two way binding

- **Introduction to two way binding via v-model**
- **Handling user input with HTML form controls**
- **Data binding**
- **.lazy, .number, .trim modifiers**
- **Submitting a form**

Module 6: Introduction to Components

- **What are components?**
- **Why components**
- **Hello World component**
- **Anatomy of a component**
- **Registering Components Locally and Globally**
- **Root Component**
- **Thinking in components**

- **Composing application as components**

Module 7: Passing data to components
- **Props, parent to child communication**
- **Custom events, child to parent**
- **Non parent child communication event emitter style using .emit, .on**

Module 8: Content distribution with slots
- **Compilation scope**
- **Single slot**
- **Named slot**
- **Scoped slot**

Module 9: Dynamic components
- **Switching Multiple Components with Dynamic Components**
- **Dynamic Component Behavior**
- **Keeping Dynamic Components Alive**
- **Lifecycle hooks**

Module 10: Custom Directives
- **Introduction**
- **Directive hook functions**
- **Developing custom directive**
- **Passing values and arguments to custom directives**
- **Directive hook arguments**

Module 11: Mixins
- **Introduction**
- **Creating and using mixins**
- **Option merging**
- **Global mixin**

Module 12: Filters revisited
- **Introduction**
- **Local filters**
- **Global filters**
- **Chaining filters**

Module 13: Remote communication with Vue.js
- **Using vue-resource to working with HTTP**
- **Fetch data**
- **Post data to server**
- **Request Response Interception**
- **Template URLs**

Module 14: Routing
- **Introduction**
- **Setting up vue-router**
- **Loading routes**
- **Routing modes**
- **Navigation with router links**
- **Styling active links**
- **Imperative navigation**
- **Route Parameters**
- **Setting up child or nested routes**
- **Named routes**
- **Query parameters**
- **Named router views**

- **Wildcard routes**
- **Route guards**

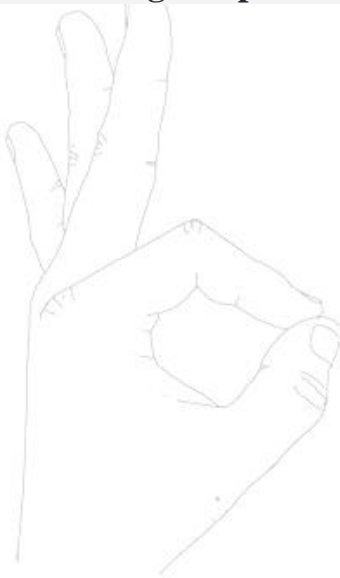*Module 15: State management*

- **Introduction**
- **What is need for state management**
- **What is vuex**
- **Centralized store**
- **Understanding Getters**
- **Using Getters**
- **Mapping Getters to Properties**

Module 16: Understanding Mutations

- **Using Mutations**
- **Using Actions**
- **Mapping Actions to Methods**

Module 17: Unit testing

- **Introduction**
- **Setup and tooling**
- **Testing components**