

**Course Name** : VUE.JS BUILDING A REAL-WORLD WEB APPLICATION  
**Duration** : 3 Days (Physical Classroom / Virtual Live Instructor)  
**Skill Level** : Beginner

#### **COURSE DESCRIPTION:**

In this hands-on Vue.js training program, our certified instructor will guide participants in the development of their Vue.js skills, starting from the basics and advancing to the creation of full-fledged Vue.js applications. The training will commence with a review of ES6+(Modern JS) features, followed by an in-depth examination of the fundamentals of the latest Vue.js and its ecosystem.

#### **WHAT WILL YOU LEARN?**

In addition to the basics, the instructor will impart advanced techniques crucial for delivering Vue.js applications. Topics to be covered include the Vue CLI, Vue Router, Single File Components, Axios, and API calls. At the end of the course, participants will have the opportunity to develop a functional single-page application using Vue.js and its ecosystem.

#### **PREREQUISITE:**

Beginners. Prior JavaScript helps but is not mandatory.

#### **METHODOLOGY:**

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises. This course can be conducted as instructor-led (ILT) or virtual instructor-led training (VILT).

#### **JOB SCOPE:**

Upon completion of this course, candidates may pursue the following career paths:

- Front-end Web Developer
- Front-end Web Developer
- Full Stack Developer
- JavaScript Developer
- Web Application Developer
- Enterprise Application Developer
- Technical Lead/Manager in a web development team
- Vue Developer
- UI/UX Developer
- Mobile App Developer (using frameworks such as Ionic)
- Cloud Developer (utilizing Vue for serverless applications)

## DAY 1

### **MODULE 1: INTRODUCTION**

- Welcome
- Introduction to ES6 & Vue.js 3
- Setting up Dev Environment

### **MODULE 2: INTRODUCTION TO ES6**

- Introduction to ES2016, ES6
- let and const
- Template Literals
- De-Structuring Arrays and Objects
- For of Loop
- Spread & Rest Operators
- Arrow Functions
- Default Arguments
- Includes
- Classes
- Async & Await
- Promises & Proxies

### **MODULE 3: INTRO TO VUE 3**

- Introduction
- Installing Vue 3
- Hello World
- Project Structure
- Single File Components

## DAY 2

### **MODULE 4: VUE 3 BINDING**

- Why a CLI?
- Binding Text
- Binding HTML
- Binding to Attributes
- Binding Classes
- Binding Styles
- V-bind Shorthand

### **MODULE 5: VUE 3 RENDERING**

- Conditional Rendering
- List Rendering
- Lists and Keys
- Conditional List Rendering
- Methods

## MODULE 6: VUE 3 FORM HANDLING

- Form Handling
- Event Handling
- Modifiers
- Communicating Events
- Forms & v-model

### DAY 3

## MODULE 7: VUE 3 ROUTER

- Why use Vue Router
- Starting from scratch
- Vue Router Basics
- Installing from Vue CLI
- Named Routes
- Dynamic Segments
- Handling 404 Not Found
- Where to continue learning

## PROJECT: BUILD AND DEPLOY WEB APP USING VUE 3

### CONCLUSION

- QA
- Useful References and Books
- Feedback