Certified Software Developer Advance (VueJS)

VueJS, a progressive JavaScript framework widely used for developing user interfaces, offers developers a flexible core library that can be seamlessly integrated with other libraries

GSDC
Global Skill Development Council
CSD
VUEJS
CERTIFIED

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ABOUT CERTIFICATION

ongoing projects. It's designed with an incremental adoption approach and can power complex single-page web applications. With GSDC Certification, software development professionals can enhance their knowledge of writing high-quality code that passes tests quickly, can be easily deployed, and is maintained across various applications.

Earning a GSDC certificate demonstrates your competence in delivering intricate software projects and helps you achieve your career aspirations.

OBJECTIVES

1. To know the working understanding of software development.
2. To know the tools and best practices in software development.
3. To enhance your programming and technical skills.
4. How to write error-free code.
5. How to test and debug software and web application.
6. Use of the latest tools and concepts in application development.
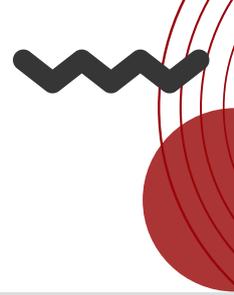
Our Accreditation:

COURSE SYLLABUS

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
- What is new in Vue 3

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

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

4. Event handling
- Introduction
- Listening to events
- Method Event handlers
- Event modifiers
- Key modifiers

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

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

7. Passing data to components
- Props, parent to child communication
- Custom events, child to parent

8. Content distribution with slots
- Compilation scope
- Single slot
- Named slot
- Scoped slot

9. Dynamic components
- Switching Multiple Components with Dynamic Components
- Dynamic Component Behavior
- Keeping Dynamic Components Alive
- Lifecycle hooks

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

11. Mixins
- Introduction
- Creating and using mixins
- Option merging
- Global mixin

12. Filters revisited
- Introduction
- Local filters
- Global filters
- Chaining filters

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

14. Routing
- Introduction
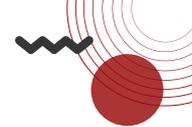- Setting up vue-router

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

16. Understanding Mutations
- Using Mutations
- Using Actions
- Mapping Actions to Methods

17. Unit testing
- Introduction
- Setup and Tooling
- Testing

GSDC Technical Advisory Board :

The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information
Target Audience

GSDC Certification is for all those who want to prove they can apply their core Java developer skills into real-life projects.

Examples of typical job titles with 3-5 years of experience:

- Senior Software Developer
- Senior Software Engineer
- Senior Web Developer
- Senior Android Developer
- Senior Front-end Developer
- Senior Full-Stack Developer

**Find out more online at
www.gsdcouncil.org**