

## **Introduction to jQuery**

**Modality: Self-Paced Learning**

**Duration: 12 Hours**

**SATV Value:**

**CLC:**

**NATU:**

**SUBSCRIPTION: Learn, Master**

### **About this course:**

jQuery is the most well-known library for JavaScript. You will figure out how to utilize jQuery to add extra power and interactivity to your website pages in this course. You'll perceive how to exploit jQuery in your site pages, how to work with the HTML docs, and even make server-side calls.

With the help of jQuery, the programmer of JavaScript approaches huge numbers of the amazing assets common to mobile and desktop designer's use, such as the handlers of building event and using impacts for a responsive UI, the capacity to control your UI without having to revive the whole page, and creating offbeat calls to keep your web application responsive. With jQuery, you'll have the option to take your site pages to the next level!

### **Course Objective:**

- Step by step instructions to integrate jQuery into your website pages
- The most effective method to make server-side calls using JavaScript
- To take benefits to increase the performance of your pages
- Step by step instructions to upgrade the UI of your sites using jQuery
- Adding jQuery to a page
- Using CSS selectors with jQuery
- Navigating the DOM with jQuery
- Getting started with DOM manipulation
- jQuery tips and tricks
- Registering event handlers
- Adding new elements
- Removing, replacing and cloning
- JavaScript Object Notation
- Calling the server

### **Audience:**

Web developer

### **Prerequisite:**

- Information on JavaScript is required
- Information on HTML is required
- A fundamental understanding of CSS is useful

## **Course Outline:**

### **Module 1 : Adding jQuery to web pages**

- Getting started with jQuery
- Adding jQuery to a page
- Using CSS selectors with jQuery
- Navigating the DOM with jQuery
- Getting started with DOM manipulation
- jQuery tips and tricks
- Quiz
- Lab

### **Module 2 : Managing content, events and effects**

- Event handlers
- Modifying elements
- Registering event handlers
- Adding new elements
- Animations
- Removing, replacing and cloning
- Quiz
- Lab

### **Module 3 : Asynchronous programming and Ajax**

- Using promises
- Web workers
- Using deferred
- JavaScript Object Notation
- Calling the server
- Final Exam
- Lab

## **Course Evaluation**

- Course Evaluation?