

SELENIUM AUTOMATION TESTING TRAINING

Become an expert in test automation & successfully build a robust testing framework

Get Started



Selenium WebDriver

Trace the elements on a webpage, and validate the existence of title, elements and display of errors on web application



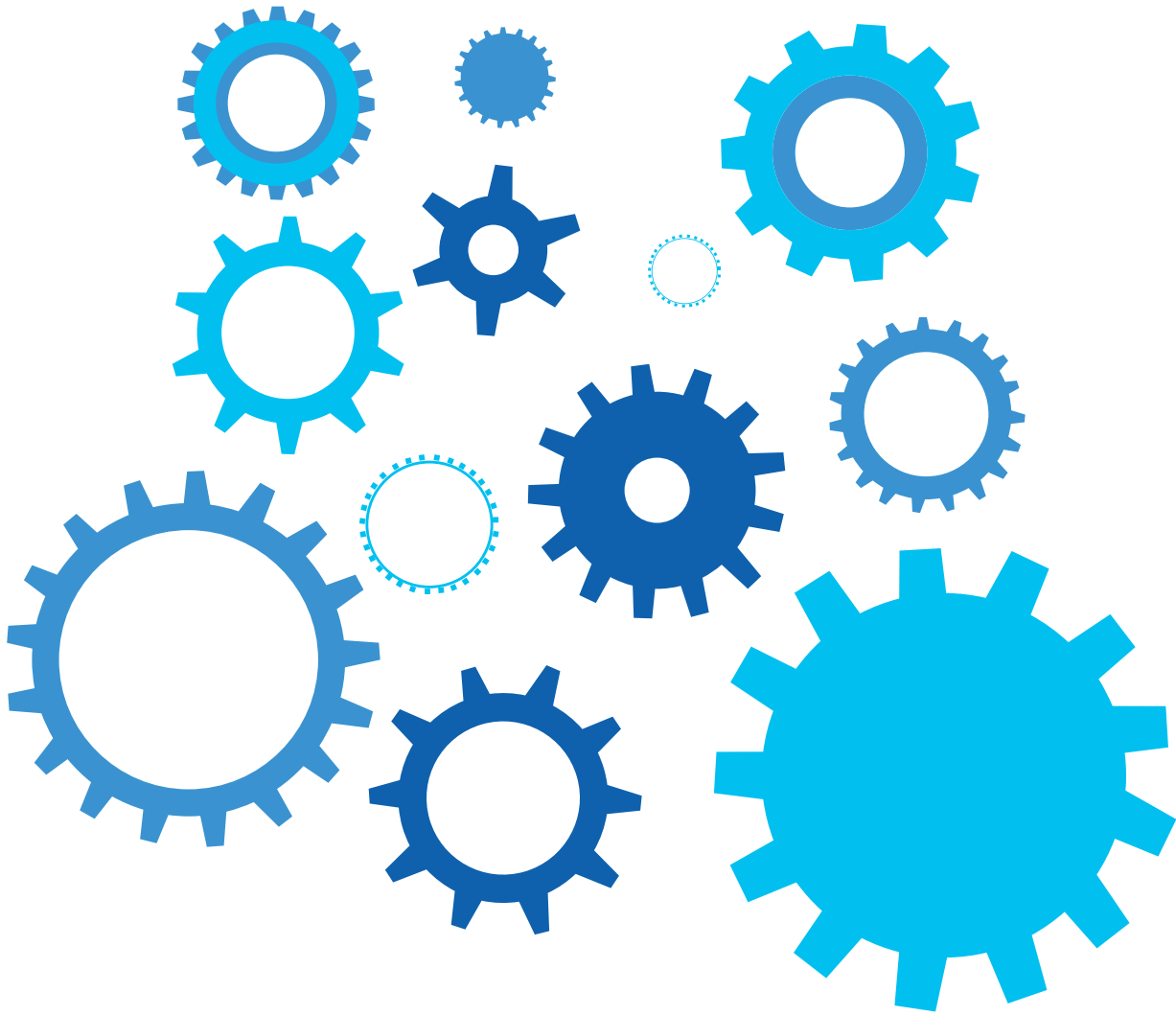
Selenium IDE

Know how selenium IDE helps to record and playback the testcase



Selenium Grid

Execute the tests on various environment/ platforms/ machines



About Selenium Automation Testing Training

Selenium is one of the most popular and widely used browser automation tool. It is considered the industry standard for user interface automation testing of Web applications. This free, open-source tool has been first choice for the majority of software developers and testers for testing interfaces.

Selenium Automation Testing Training programme is supplemented with module presentations, demos, case study assignments, and quizzes. The live in-class project and certification project will provide a platform to assess your knowledge, skills and abilities gained in the programme.














In this programme, you will learn Automation Testing using Selenium WebDriver. You will learn how to use Git and GitHub commands, and Maven to manage the dependencies and plugins required for the project.

You will get hands-on experience on the role of automation tester in the CI/CD pipeline using Maven, Jenkins, Git and GitHub, for selenium project.

You will learn how to integrate Sikuli and AutoIT with WebDriver, utilise Selenium IDE for automating a WebApp, integrate Cucumber with Selenium, and use Selenium Grid to execute the tests on various environments/ platforms/ machines.



Programme Objectives

-  Work on real-time industry-based automation projects using Selenium
-  Work with the CICD pipeline-based automation process
-  Use Git and GitHub commands for various operations based on the project needs
-  Explain Selenium WebDriver
-  Explain locators in Selenium WebDriver
-  Validate title, elements and errors on a web application
-  Use maven to manage the dependencies and plugins required for the project.
-  Setup of Selenium WebDriver using Maven project to Jenkins
-  Pipeline setup using Maven, Jenkins, Git and GitHub for Selenium project
-  Integrate Sikuli and AutoIT with WebDriver
-  Utilise Selenium IDE for automating a WebApp
-  Integrate Cucumber with Selenium
-  Use Selenium Grid to execute the tests on various environment/platforms/machines

Programme Advantages



42 hours LIVE instructor-led training



Training conducted by industry experts



Gain hands-on experience



Lifetime access to the courseware on GP Education's AI based LearNxt Platform

- ✓ 14 module presentations
- ✓ Hands-on demonstrations
- ✓ 42 case study assignments
- ✓ 140 module-end quizzes
- ✓ LIVE In-class project
- ✓ Certification project
- ✓ Free access to Java Essentials e-learning material



GP Education Alumni membership to be a part of the network of future Test Automation Engineers



GP Education will certify you as a Selenium Automation Tester after successful completion of the programme

Learning Journey



➤ Enrol



- Lifetime access to the courseware on GP Education's AI based LearNxt Platform
- 14 module presentations
- Free access to Java Essentials e-learning material



- 42 hours LIVE instructor-led training
- Training conducted by industry experts



- 140 module-end quizzes
- 42 case study assignments
- Hands-on demonstrations



- LIVE In-class project
- Certification project



- GP Education Certificate - **Selenium Automation Tester**

Programme Curriculum

Module 1 – Selenium and its Components

Module 2 – Git and GitHub

Module 3 – Selenium WebDriver

Module 4 – Handling Dynamic Elements and Synchronizing Execution Flow

Module 5 – Handling Complex Features of WebApp – I

Module 6 – Handling Complex Features of WebApp – II

Module 7 – Sikuli, AutoIT and IDE

Module 8 – Using TestNG with WebDriver

Module 9 – CI/CD Part 1: Usage of Maven for Tester

Module 10 – CI/CD Part 2: Usage of Jenkins for Tester

Module 11 – Test Case Designing Technique with Data Driven Framework

Module 12 – BDD Framework with Cucumber

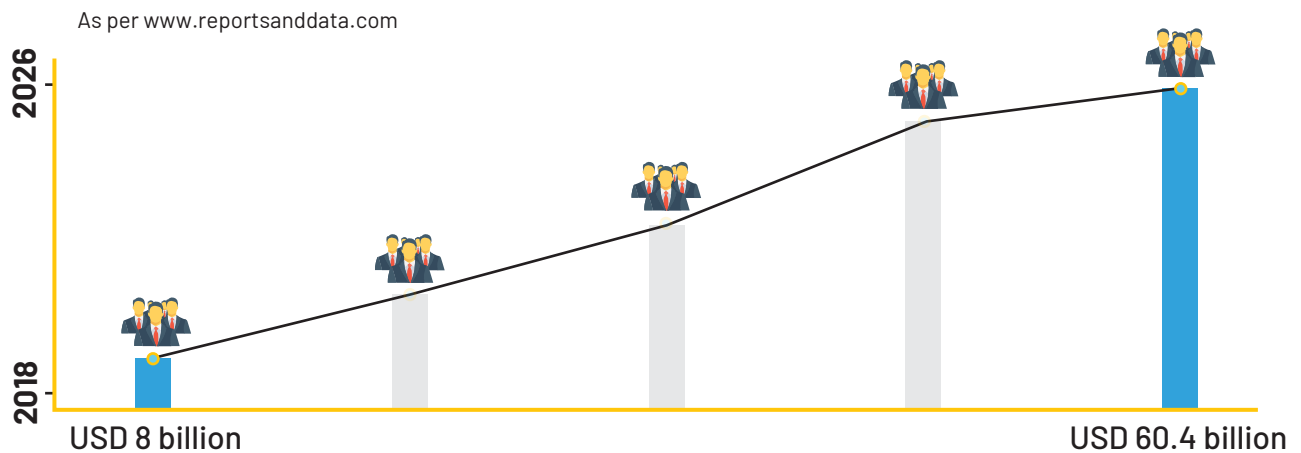
Module 13 – Using Grid and Live Project Creation Part 1

Module 14 – Live Project Creation Part 2



Career Opportunities

The scope of job opportunities in Selenium Testing is very high for skilled professionals. According to www.reportsanddata.com report, the Automation Testing market is expected to grow from USD 8 billion in 2018 to USD 60.4 billion by 2026, at a CAGR of 33.4% during the forecast period.



Selenium is the most preferred test automation tool by tech giants such as Microsoft and Facebook; among other various big firms such as Google, Mozilla, LinkedIn, IBM, etc.

Here are few popular job roles you can think about as a Selenium WebDriver professional

- Selenium Automation Engineer
- Selenium Automation Tester
- Senior Quality Engineer – Automation
- Java Selenium Automation Engineer
- Selenium Test Analyst
- QA Automation Engineer
- Software Development Test Engineer

Why Selenium Automation Testing Training?

- Automation testing is estimated to grow at a CAGR of 33.4%, between 2018 and 2026, to reach USD 60.4 billion, by 2026 – according to www.reportsanddata.com
- Selenium is the first choice of automation testers as well as companies for automating the web-based application testing for both GUI as well as the functionality
- Improve and automate test strategies and software configurations
- Develop and execute test cases to diagnose issues and bugs
- Create test data
- Define test strategies and test manuals for tracking and fixing software issues
- Selenium is an open source automated testing suite to test web applications over diverse browsers and platforms

Admissions

Who is this programme for?

- Any graduate or postgraduate looking for a career in test automation
- Manual Testing Expert who wants to move towards automation testing
- Quality Assurance Expert
- Software Developer
- System Administrator

Pre-requisites

- Good knowledge of Core Java is a must
- Basic knowledge of Manual Testing, HTML, XML

To help you brush up fundamentals of Java, you will get the Java Essentials self-paced videos as complimentary in your LMS.

Programme Schedule

- Live online classes over 7 weekends`

Programme Fee

Rs. 10,000 + taxes

About SRM Group

SRM Group of Institutions is acclaimed as one of the leading educational groups in India with over 70,000 students and 4,500 faculty members. It is a parent organisation to three universities, four campuses, and four institutes. All these colleges and universities offer a wide range of UG, PG and PhD courses in the field of Engineering, Management, Medicine & Health Sciences and Humanities

SRM Group Universities and Institutes



About GP Education



GP Education is an SRM Group initiative with a vision to create a global online learning company enabling people to achieve their dreams through learning.

GP Education provides learning products, solutions and services by leveraging high quality intellect hand-picked across the globe. The rigorous curriculum and content are created and curated with deep understanding of industry and individual learning needs. The most innovative learning and teaching experiences are orchestrated over state of the art brick and click infrastructure with a strong intent to measure and report learning outcomes.

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<https://online.gpeducation.org/cert/selenium>

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