

Certified in Selenium Testing Professional (CSTP)

Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Lifetime Valid Certification
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

The GSDC Certified Selenium Testing Professional (CSTP) certification validates practical expertise in Selenium WebDriver, a leading tool for automated web application testing. Widely used across industries, Selenium skills are in high demand, making this certification valuable for career growth.

The CSTP exam tests a candidate’s ability to create and maintain automated tests, including advanced topics like Selenium Grid and tool integration. This certification demonstrates hands-on capabilities that help professionals contribute effectively to automation and DevOps efforts in fast-paced software environments.

	Type	Online self-paced learning, Mocks
	Language	English (including subtitles)
	Access	12 months
	AI based Role play	Prepare yourself for career with AI based roleplay
	Digital certificate upon completion (2 Attempts)	
	Card Payment, Bank Transfer	
	Reading materials & Reference Templates	
	100% money back guarantee*	

GSDC Introduction

Welcome to the Global Skill Development Council (GSDC)!

As an independent, vendor-agnostic certification organization, we empower professionals worldwide.

Leading MNC organizations and global universities recognize our certifications. With a diverse portfolio of over 150+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 250,000 professionals.

Partnered with 100+ global training organizations, GSDC is your gateway to unlocking endless opportunities.

Join us today and let your skills soar to new heights!



Introduction

Certified Selenium Testing Professional



The GSDC Certified Selenium Testing Professional (CSTP) Certification is a recognized certification for testers to showcase their skills specifically in Selenium WebDriver. This selenium certification verifies one's expertise in one of the most important technologies employed in the software domain.

Given that Selenium is an open-source tool, organizations widely use it for web application testing, which makes this Selenium testing certification highly demanded in today's job market.

The Selenium certification exam of GSDC focuses on the candidate's capacity to implement Selenium WebDriver for designing and maintaining automated testing solutions.

The CSTP certification proves the pure practical skills that one can apply on the job. There is a growing need for better and more reliable automation testing and thus, having this selenium certification is valuable to boost that professional's career and contribute more to the DevOps.

Even concepts like Selenium Grid and integration with other tools are also included in the selenium testing certification to add weight to the importance of selenium in this constantly changing environment of software quality assurance.

Learning Objective

- Master Selenium WebDriver for automation testing.
- Apply practical skills in real-world scenarios
- Integrate Selenium with other DevOps tools.
- Address evolving needs in software quality assurance.
- Develop skills in designing automated test solutions.
- Utilize Selenium Grid for distributed testing.
- Enhance reliability in web application testing.

OBJECTIVES OF SELENIUM TESTING PROFESSIONAL

Curriculum

1. Foundations of Selenium Test Automation

- Introduction and History of Selenium
- Key Components: Selenium IDE, RC, WebDriver, Grid
- Advantages and Limitations of Using Selenium
- Comparison: Selenium vs. Other Testing Tools (UFT, Cypress, Playwright)
- Installing Selenium and Project Setup
- Browser Configuration and Environment Setup

2. Selenium WebDriver Essentials

- WebDriver Overview and Internal Architecture
- Configuring Browser Drivers (ChromeDriver, GeckoDriver, EdgeDriver)
- Locating Elements Using ID, Name, XPath, CSS Selector, and Class Name
- Basic Web Actions: Opening URLs, Clicking, Sending Text
- Form Handling and Validation Checks
- Script Debugging and Execution Flow
- Browser Navigation and Command Handling

3. Advanced WebDriver Techniques

- Handling Advanced UI Interactions: Dropdowns, Sliders, Drag-and-Drop
- Managing JavaScript Alerts, Confirmation Boxes, and Prompts
- Switching Between Frames and IFrames
- Synchronization Strategies: Implicit, Explicit, and Fluent Waits
- Handling Multiple Windows and Browser Tabs
- Capturing Screenshots for Debugging and Reporting
- Executing JavaScript within Selenium Tests

4. Designing Test Automation Frameworks

- Introduction to Test Automation Frameworks
- Types of Frameworks: Data-Driven, Keyword-Driven, Hybrid Models
- Building a Reusable Framework from Scratch
- Integrating Selenium with Custom Frameworks
- Introduction to TestNG: Features and Structure
- Writing, Running, and Organizing TestNG Tests
- Generating Detailed TestNG Reports and Logs

5. Distributed Testing with Selenium Grid

- Understanding the Role of Selenium Grid
- Grid Architecture: Hub and Node Concept
- Setting Up Selenium Grid Locally and Remotely
- Registering Nodes and Managing Browser Versions
- Executing Tests on Remote Machines
- Parallel Test Execution Across Browsers
- Performing Cross-Browser Testing

6. Page Object Model and Data-Driven Testing

- Introduction to the Page Object Model (POM)
- Structuring Page Classes and Maintaining Reusability
- Implementing POM with Selenium and TestNG
- Advantages and Best Practices of POM
- Data-Driven Testing Using TestNG and Excel/CSV
- Parameterizing Test Data for Flexible Test Execution

7. CI/CD Integration and Best Practices

- Introduction to Continuous Integration (CI) Concepts
- Installing and Configuring Jenkins for Automation
- Creating and Triggering Jenkins Jobs for Selenium Scripts
- Integrating Selenium Tests into CI/CD Workflows
- Analyzing Test Results and Logs via Jenkins
- Handling Dynamic Web Elements and Flaky Tests
- Best Practices for Reliable Selenium Test Automation

8. Tools, Certifications & Real-World Applications

- Tools Used: IntelliJ/Eclipse, Maven, TestNG, Jenkins, Git, Selenium Grid
- Sample Projects and Framework Templates for Practice
- Real-World Case Studies from E-Commerce, Banking, and SaaS Testing
- Selenium Certification Paths: CP-SAT, A4Q Selenium Tester
- Final Capstone: Designing a Robust Framework and Executing it in a CI/CD Pipeline

Unleash Unlimited Potential

All GSDC certifications come with a lifetime membership, offering you a world of benefits to fuel your professional growth.



Expert Created Learning Material

Learn from knowledge shared by Top Industry Experts with 15+ yrs of experience.



Access to Global Conferences

Be a part of GSDC thriving learning community around the world, sharing knowledge from across the world.



Speaker invites @ GSDC Webinar Series

Share your knowledge with world at GSDC global webinar series, share your expertise and learn from others.



Downloadable Resources

Get access to templates and reference documents which will help you to do your day to day tasks easier.



Certificate Upgrades

Get complimentary certificate upgrades to keep up with the latest updates in processes and frameworks.



Newsletters, blogs with industry insights

Get newsletters, announcements and articles curated by experts direct to your inbox.



AI Based Role Play

Learn to implement applicability of knowledge with real life simulation based games.

What You Get In this Certification Program?

- Engaging digital learning videos
- Exclusive access to Global thought leader sessions & case studies
- Downloadable and implementable resources to support practical application
- Two mock exams with unlimited attempts for comprehensive preparation
- Certification exam voucher with 1-year validity
- Two attempts for certification exam

What our Candidates Saying?

We greatly appreciate the feedback from our program participants on Trustpilot. With an impressive average rating of 4.7 out of 5, their reviews highlight the positive experiences and value they have gained from our program.



Global Skill Development Council - GSDC
 Reviews 178 • Excellent
 4.7 ⓘ
 VERIFIED COMPANY



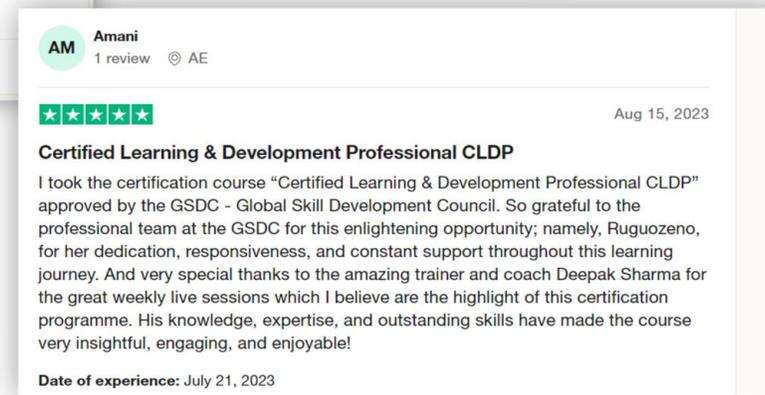
chandrakaran j
 2 reviews • IN
 Jul 18, 2023
 ★★★★★
I had a experience with GSDC with their...
 I had a experience with GSDC with their SRE course and it was very good. The speakers were very knowledgeable and kept it very interactive. Thanks the GSDC team for this!
 Date of experience: April 13, 2023



Tosin Olaniji
 1 review • NG
 Jul 11, 2023
 ★★★★★
The learning portal was so seamless
 The learning portal was so seamless, and user friendly. The course are so detailed, easy to understand, great lecturers. Safe to say the best learning platform I've used so far. I would recommend learning from GSDC to anyone. You sure will get a value for your money.
 Date of experience: July 08, 2023



Majid
 1 review • IN
 Sep 25, 2023
 ★★★★★
GSDC has been doing a great job in making learners gain knowledge!
 GSDC has been doing a great job in making the learners find right opportunities to gain knowledge for business! These two days were filled with knowledge and insights!
 Date of experience: September 25, 2023



Amani
 1 review • AE
 Aug 15, 2023
 ★★★★★
Certified Learning & Development Professional CLDP
 I took the certification course "Certified Learning & Development Professional CLDP" approved by the GSDC - Global Skill Development Council. So grateful to the professional team at the GSDC for this enlightening opportunity; namely, Ruguzeno, for her dedication, responsiveness, and constant support throughout this learning journey. And very special thanks to the amazing trainer and coach Deepak Sharma for the great weekly live sessions which I believe are the highlight of this certification programme. His knowledge, expertise, and outstanding skills have made the course very insightful, engaging, and enjoyable!
 Date of experience: July 21, 2023



Expert-Led Generative AI: Learn, Connect, Grow



Interactive Learning Experience:

Ask questions, discuss case studies, and receive implementation guidelines directly from expert, enhancing your understanding of complex AI topics



Lifelong Learning Journey:

Enjoy lifetime access to these sessions, ensuring you stay updated with the latest trends and continuously grow your AI expertise



Career-Boosting Network:

Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

AI-Based Interview Practice Platform



- Engage With Real Time AI Interview Questions.
- Practice Questions Tailored with Your Expertise.
- Validate your Knowledge of subject Matter.

Capstone Project



- Apply Your Skills in Real World Scenario.
- Learn Methodologies Aligned to Your Expertise.
- Validate Skills and Knowledge Gained through the Certification.
- Showcase Expertise via a Capstone Project.

Enrollment-Options

Option-1

Certified in Selenium Testing Professional With E-Learning

**Fast-track your career by learning a new
skill and earning a certificate**

- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-2

Bundle

**Create your own bundle with
3 certification program**

- ✓ 3 Certification Program
- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Certified in Selenium Testing Professional with E-Learning

Certified In Selenium Testing Professional with Digital Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ E-Learning from Industry Experts
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Downloadable Resources



ENROLL NOW

Option-2

Make Your Own Certified in Selenium Testing Professional Bundle

**Enrich your skills and advance your career with our exclusive bundle.
Get certified in the following:**

- Certified Cloud Testing Advance (CCTA)
- Certified Cloud Computing Foundation
- Certified Service Desk Professional Certification
- Certified Advanced Software Security Tester (CASST)
- Certified Data Science Professional

Expand your expertise, design impactful learning experiences, and master your skills.

BUY ANY

3

CERTIFICATIONS

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Register Now



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GUARANTEE

100% Money Back Guarantee!

At GSDC, quality is our top priority. Our certification programs are designed to foster professional growth and ensure learning satisfaction. If you do not pass the certification exam after two attempts, we offer a 100% money-back guarantee.

- No Questions Asked*
- 100% Amount Refund*
- No Processing Fees*

Thank You



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