



Certified Software
Testing Professional
VS-1023

Vskills Certifications

Vskills Brochure



Certified Software Testing Professional

Certification Code VS-1023

Software Testing is the backbone of any IT product, Services Company. Industry size is about USD\$13 billion globally and is one of the biggest recruiters and job creators in India. Software testing can be manual and automated. Vskills certification will focus on the different concepts of testing, automated testing necessary documentation and project management needs and metrics for testing, automated testing and different tools for testing like load testing, cost driven training and GUI based testing. Some different test automation tools will be introduced.

Why should one take this certification?

This Course is intended for professionals and technical graduates seeking career in Software industry and wanting to excel in chosen areas. It is also well suited for those who are already working and would like to take certification for further career progression. Indian IT industry is moving up the value curve, and today's scenario demands more specialization and that is where a certification of this type will add value.

Who will benefit from taking this certification?

This course benefits students who wish to make a career in software industry. This course is also beneficial for professionals already working and want to acquire knowledge in this segment of industry. Students will be ready for jobs from day 1 since this is a high demand skill in software companies. Professionals already in the software sector looking for job switch into testing sector will also benefit from the certification.

Test Details:

- **Duration:** 60 minutes
- **No. of questions:** 50
- **Maximum marks:** 50, Passing marks: 25 (50%); There is no negative marking in this module.

Fee Structure:

Rs. 3,499/- (Excludes taxes)*

*Fees may change without prior notice, please refer <http://www.vskills.in> for updated fees

Companies that hire Vskills Certified Software Testing Professionals

Software Testing professionals are in great demand and major IT companies in India hire them. There are a lot of boutique niche companies, specializing in software testing, open source and integration services. International job consultants also are constantly looking for Software Testing Professionals for overseas jobs. The skill is also greatly in demand in super specialized government projects on contract basis.

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Introduction & Overview

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- History

Software Testing Topics

- Scope
- Functional vs. Non-Functional testing
- Defects and failures
- Finding faults early
- Compatibility
- Input combinations and preconditions
- Static vs. dynamic testing
- Software verification and validation
- The software testing team
- Software quality assurance (SQA)
- Testing Methods - The box approach

White Box Testing

- Introduction
- Types of white box testing
- Test coverage
- Hacking

Black box testing

- Specification-based testing
- Advantages and disadvantages
- Test design techniques
- Hacking
- Grey box testing

Unit Testing

- Overview
- Benefits
- Separation of interface from implementation
- Unit testing limitations
- Applications

Integration testing

- Purpose
- Limitations

System testing

- Testing the whole system
- Types of tests to include in system testing

Miscellaneous Testing Levels

- System integration testing
- Regression testing
- Acceptance testing
- Alpha testing
- Beta testing

Non-functional testing

- Software performance testing and load testing
- Stability testing
- Usability testing
- Security testing
- Internationalization and localization
- Destructive testing

The Testing Process

- Traditional CMMI or waterfall development model
- Capability Maturity Model Integration
- Waterfall model
- Agile or Extreme development model
- A Sample testing cycle

Automated testing

- Code-driven testing
- Graphical User Interface (GUI) testing
- What to test
- Framework approach in automation
- Defining boundaries between automation framework and a testing tool
- Testing tools
- Measurement in software testing

Testing Artifacts

- Test plan
- Traceability matrix
- Test case
- Test script
- Test suite
- Test data
- Test harness

Sample Questions

1. Analyze the following highly simplified procedure:

Ask: "What type of ticket do you require, single or return?"

IF the customer wants 'return'

Ask: "What rate, Standard or Cheap-day?"

IF the customer replies 'Cheap-day'

Say: "That will be £11:20"

ELSE

Say: "That will be £19:50"

ENDIF

ELSE

Say: "That will be £9:75"

ENDIF

Now decide the minimum number of tests that are needed to ensure that all the questions have been asked, all combinations have occurred and all replies given.

- A. 3
- B. 4
- C. 5
- D. 6

2. Which of the following characterizes the cost of faults?

- A. They are cheapest to find in the early development phases and the most expensive to fix in the latest test phases.
- B. They are easiest to find during system testing but the most expensive to fix then.
- C. Faults are cheapest to find in the early development phases but the most expensive to fix then.
- D. Although faults are most expensive to find during early development phases, they are cheapest to fix then.

3. What is the main difference between a walkthrough and an inspection?

- A. An inspection is lead by the author, whilst a walkthrough is lead by a trained moderator.
- B. An inspection has a trained leader, whilst a walkthrough has no leader.
- C. Authors are not present during inspections, whilst they are during walkthroughs.
- D. A walkthrough is lead by the author, whilst an inspection is lead by a trained moderator.

4. The process starting with the terminal modules is called

- A. Top-down integration
- B. Bottom-up integration
- C. None of the above
- D. Module integration

5. How much testing is enough

- A. This question is impossible to answer
- B. The answer depends on the risks for your industry, contract and special requirements
- C. The answer depends on the maturity of your developers
- D. The answer should be standardized for the software development industry

Answer : 1 (A), 2 (A), 3 (D), 4 (B), 5 (B)

Certifications

➤ Accounting, Banking and Finance

- Certified AML-KYC Compliance Officer
- Certified Business Accountant
- Certified Commercial Banker
- Certified Foreign Exchange Professional
- Certified GAAP Accounting Standards Professional
- Certified Financial Risk Management Professional
- Certified Merger and Acquisition Analyst
- Certified Tally 9.0 Professional
- Certified Treasury Market Professional
- Certified Wealth Manager

➤ Big Data

- Certified Hadoop and Mapreduce Professional

➤ Cloud Computing

- Certified Cloud Computing Professional

➤ Design

- Certified Interior Designer

➤ Digital Media

- Certified Social Media Marketing Professional
- Certified Inbound Marketing Professional
- Certified Digital Marketing Master

➤ Foreign Trade

- Certified Export Import (Foreign Trade) Professional

➤ Health, Nutrition and Well Being

- Certified Fitness Instructor

➤ Hospitality

- Certified Restaurant Team Member (Hospitality)

➤ Human Resources

- Certified HR Compensation Manager
- Certified HR Staffing Manager
- Certified Human Resources Manager
- Certified Performance Appraisal Manager

➤ Office Skills

- Certified Data Entry Operator
- Certified Office Administrator

➤ Project Management

- Certified Project Management Professional

➤ Real Estate

- Certified Real Estate Consultant

➤ Marketing

- Certified Marketing Manager

➤ Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

➤ Logistics & Supply Chain Management

- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Purchase Manager
- Certified Supply Chain Management Professional

➤ Legal

- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

➤ Information Technology

- Certified ASP.NET Programmer
- Certified Basic Network Support Professional
- Certified Business Intelligence Professional
- Certified Core Java Developer
- Certified E-commerce Professional
- Certified IT Support Professional
- Certified PHP Professional
- Certified Selenium Professional
- Certified SEO Professional
- Certified Software Quality Assurance Professional

➤ Mobile Application Development

- Certified Android Apps Developer
- Certified iPhone Apps Developer

➤ Security

- Certified Ethical Hacking and Security Professional
- Certified Network Security Professional

➤ Management

- Certified Corporate Governance Professional
- Certified Corporate Social Responsibility Professional

➤ Life Skills

- Certified Business Communication Specialist
- Certified Public Relations Officer

➤ Media

- Certified Advertising Manager
- Certified Advertising Sales Professional

➤ Sales, BPO

- Certified Sales Manager
- Certified Telesales Executive

& many more job related certifications

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