



गुणवत्ता आश्वासन इंजीनियर (क्वालिटी एश्योरेंस इंजीनियर)

A Quality Assurance (QA) engineer finds and fixes bugs and errors in a product or software before launch, and works with developers to resolve issues when needed. It is an accessible, fast-growing role in IT—especially in...



Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/quality-assurance-engineer

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श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
Sr. Lecturer, DIET Barmer (Support)



भरत चौधरी

अभिकल्पना व विकास • व्याख्याता (इतिहास)
Designed & developed • Lecturer (History)

विशेष धन्यवाद • SPECIAL THANKS



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व्याख्याता (इतिहास) • रा.उ.मा.वि. कानाना



सुरेश कुमार सैन

व्याख्याता (भूगोल) • रा.उ.मा.वि. रामसीन मूंगड़ा



वनिता कुमारी

व्याख्याता (इतिहास) • रा.उ.मा.वि. रामसीन मूंगड़ा



कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) • रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। • An independent project based on the Government's official career-guidance content.

1 About this career

A Quality Assurance (QA) engineer finds and fixes bugs and errors in a product or software before launch, and works with developers to resolve issues when needed. It is an accessible, fast-growing role in IT—especially in automation testing.

2 At a glance

Minimum qualification	10+2 + CS/IT degree or diploma
Duration	3–4-yr degree (+ testing course)
Starting salary	₹25,000–40,000/month
Work Field	Software, IT services, product companies

3 What you need

INTERESTS

- Interest in computers and software
- Curiosity to find mistakes and flaws
- Enjoy analysing problems

ABILITIES

- Sharp attention to detail
- Analytical thinking
- Teamwork and patience

KEY SKILLS

- Manual testing and test-case design
- Test automation (Selenium/Playwright)
- Bug tracking (JIRA)
- API testing
- Programming basics (Java/Python)
- Understanding of SDLC and STLC

4 How to get there

- 1 Complete 10+2 in any stream
- 2 Do a degree or diploma in CS/IT
- 3 Learn manual and automation testing
- 4 Take a certification like ISTQB (optional)
- 5 Start as a junior QA/tester
- 6 Progress to senior QA and QA lead

MAIN EXAMS

- CUET-UG / JEE-REAP (for degree admission)
- ISTQB certification (skill-based)

5 Where to study

GOVERNMENT INSTITUTES

- University of Rajasthan — Jaipur, Rajasthan
- MNIT Jaipur — Jaipur, Rajasthan
- MBM University — Jodhpur, Rajasthan
- Government Engineering College — Bikaner / Kota, Rajasthan

PRIVATE INSTITUTES

- Manipal University Jaipur — Jaipur, Rajasthan
- Poornima University — Jaipur, Rajasthan
- VIT Vellore — Vellore

ONLINE

- NPTEL SWAYAM – Software Testing — Online (Govt of India)
- Udemy – Quality Assurance — Online (<https://www.udemy.com/course/quality-assurance/>)

FEES

Roughly ₹45,000 in government institutes up to ₹10,00,000 in private ones. Online/testing courses are cheaper.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Buddy4Study (<https://www.buddy4study.com>)
- Vidya Lakshmi Education Loan (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

Software and IT service firms, product companies, and industries such as automotive, medical devices and fintech.

WORK CULTURE

Mainly office/remote desk job; work closely with developers; 5-6 days a week, 8-9 hours, shifts apply. Opportunities exist for persons with disabilities.

WHO HIRES

- TCS / Infosys / Wipro / Accenture
- Software product companies (SaaS)
- Startups and freelance clients
- Amazon / American Express
- Fintech and e-commerce firms

DEMAND (2026)

In 2026 every software product needs quality checks, and demand for automation testing has risen sharply; with certifications it offers an accessible entry into IT.

7 Career growth

- 1 QA Analyst / Engineer
- 2 Senior QA Engineer
- 3 QA Lead / Quality Assurance Lead

EARNINGS

Starting	₹25,000–40,000/माह
Mid level	₹50,000–80,000/माह
Senior level	₹1,20,000+/माह

Engineers with automation and SDET skills earn the most; pay rises quickly with experience.

8 The good parts · The challenges

The good parts

- Accessible entry into IT
- Steady demand in every software product
- Higher pay with automation skills

The challenges

- Work can be repetitive
- Deadline pressure before releases
- Must keep learning new testing tools

9 Real-life journeys

Rahul Shetty

QA automation trainer & engineer; founder, Rahul Shetty Academy

Rahul Shetty is a well-known Indian QA automation trainer with a 15-year track record, whose courses have been taken by over a million QA professionals across 195 countries. He teaches practical skills like Selenium, Playwright, Cypress and API testing to help people become job-ready SDET/automation engineers—a self-made, inspiring example.

Udemy (instructor profile) · <https://www.udemy.com/user/rahul445/>

Sri Priya P Kulkarni

SDET (Software Development Engineer in Test), American Express

Sri Priya P Kulkarni is a dedicated SDET at American Express who is passionate about test automation and quality assurance. BrowserStack honoured her in their '#IconsOfQuality' series as a quality advocate—she is an example of an Indian woman thriving in a hands-on QA/testing role at a major global company.

BrowserStack · <https://www.browserstack.com/blog/honoring-iconsofquality-sri-priya-p-kulkarni/>

10 Sources & further reading

1. Rajasthan Govt Career Guidance – Quality Assurance Engineer — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%97%e0%a5%81%e0%a4%a3%e0%a4%b5%e0%a4%a4%e0%a5%8d%e0%a4%a4%e0%a4%be-%e0%a4%86%e0%a4%b6%e0%a5%8d%e0%a4%b5%e0%a4%be%e0%a4%b8%e0%a4%a8-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af/>
2. ISTQB certification (official) — <https://www.istqb.org/>



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