



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

सिविल इंजीनियर

Civil/structural engineers design and build roads, bridges, buildings, dams and metros. It is one of the largest and most stable engineering fields, tied to nation-building.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/eng-4664

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri · ब्लॉक समदड़ी · बालोतरा (Block Samdari · Balotra)

www.gsssjethantri.in · career.gsssjethantri.in



सुशील कुमार शर्मा

प्रधानाचार्य, रा.उ.मा.वि. जेठन्तरी · मास्टर ट्रेनर
Principal, GSSS Jethantri · Master Trainer



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



सुरेन्द्र सिंह राठौड़

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

Civil/structural engineers design and build roads, bridges, buildings, dams and metros. It is one of the largest and most stable engineering fields, tied to nation-building.

2 At a glance

Minimum qualification	12th PCM + B.Tech/B.E. in Civil
Work mode	Site and office; usually 5-6 days
Demand	High - in infrastructure, metro and construction
Top earning	Project Manager/GM: Rs 1.5-3 lakh+/month

3 What you need

INTERESTS

- Building structures and buildings
- Field and practical work
- Interest in maths and design

ABILITIES

- Logical and critical thinking
- Team leadership and attention to detail
- Strength in advanced maths

KEY SKILLS

- Structural design and analysis
- Understanding of construction materials
- Project and cost management
- Software like AutoCAD/STAAD-Pro
- Surveying and site management
- Communication and team leadership

4 How to get there

- 1 Pass 10+2 with Physics, Chemistry, Maths.

- 2 Clear JEE Main/Advanced or REAP for B.Tech/B.E. (Civil).
- 3 Build site internships and software skills.
- 4 Prepare for campus placement or government exams (JE/AE).
- 5 For specialisation, do M.Tech in Structural or GATE for PSU.

MAIN EXAMS

- JEE Main / JEE Advanced
- REAP (Rajasthan)
- GATE (Civil)
- Rajasthan AE/JE recruitment

5 Where to study

GOVERNMENT INSTITUTES

- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- MBM University — Jodhpur, Rajasthan
- CTAE (MPUAT) — Udaipur, Rajasthan
- IIT Roorkee — Roorkee

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan
- NIMS University — Jaipur, Rajasthan
- GITS Udaipur — Udaipur, Rajasthan

ONLINE

- NPTEL/SWAYAM (Structural Engineering) — Online (<https://nptel.ac.in>)
- Udemy (Structural Engineering) — Online

FEES

About Rs 2-4 lakh in government institutes and Rs 4-7 lakh in private ones (full course); varies by institute.

SCHOLARSHIPS

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

- SJE Rajasthan Scholarships (<https://sje.rajasthan.gov.in>)

6 What the work is like

WHERE YOU WORK

Local bodies, government departments (PWD, Railways), water/power/gas firms, construction contractors and consultancies.

WORK CULTURE

Local travel to sites and team management; usually 5-6 days, 8-9 hours. Flexible hours if self-employed. Opportunities exist for persons with disabilities.

WHO HIRES

- Government departments (PWD, Railways, Metro)
- Construction and infra companies
- Consultancy and design firms
- L&T, Tata Projects
- Real estate developers
- Water resources and irrigation departments

DEMAND (2026)

Expansion of metros, highways, smart cities and housing keeps demand for civil engineers high in 2026, in both government and private sectors.

7 Career growth

- 1 Civil/Structural Engineer
- 2 Senior Civil Engineer
- 3 Project Manager
- 4 Assistant General Manager
- 5 Head of Division/Company

EARNINGS

Starting	₹20,000-40,000
Mid level	₹50,000-1,00,000
Senior level	₹1,50,000-3,00,000+

Monthly pay; varies by government/private, location and experience. 2026 levels, indicative.

8 The good parts · The challenges

The good parts

- Stable and respected career
- Good government job opportunities
- Pride in visible, lasting construction

The challenges

- Tough conditions on site
- Project deadline pressure
- Lower pay at entry level initially

9 Real-life journeys

E. Sreedharan

Civil engineer, 'Metro Man of India'

Civil engineer E. Sreedharan changed the face of India's public transport by delivering giant projects like the Konkan Railway and Delhi Metro on time and budget; he is called the 'Metro Man'.

Wikipedia · https://en.wikipedia.org/wiki/E._Sreedharan

Shakuntala Bhagat

India's first woman civil engineer

Becoming India's first woman civil engineer with her 1953 degree, Shakuntala Bhagat co-founded Quadricon and designed over 200 bridges worldwide, including in tough Himalayan terrain.

The Better India · <https://www.thebetterindia.com/250265/india-first-woman-civil-engineer-shakuntala-bhagat-mumbai-iit-quadricon-bridge-construction-womens-day-ros174/>

10 Sources & further reading

1. Rajasthan Career Guidance: Civil/Structural Engineering — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%b8%e0%a4%bf%e0%a4%b5%e0%a4%bf%e0%a4%b2-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af%e0%a4%b0%e0%a4%bf%e0%a4%82%e0%a4%97-%e0%a4%b8%e0%a5%8d%e0%a4%9f%e0%a5%8d%e0%a4%b0%e0%a4%95/>
2. AICTE — <https://www.aicte-india.org>
3. NPTEL (free online courses) — <https://nptel.ac.in>
4. National Career Service (NCS) — <https://www.ncs.gov.in>



And 770+ more careers — the whole portal

Interest and aptitude tests, government jobs, skill courses and a CV builder — free, no login, and it works offline.

career.gsssjethantri.in