



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

फॉरेंसिक इंजीनियर

Forensic engineers scientifically investigate events like bridge collapses, fires, machine failures or accidents to find the cause. Their reports are used in courts, insurance claims and safety improvements.



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-4698

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

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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

Forensic engineers scientifically investigate events like bridge collapses, fires, machine failures or accidents to find the cause. Their reports are used in courts, insurance claims and safety improvements.

2 At a glance

Minimum qualification	Bachelor's in engineering/forensic science; master's preferred
Work mode	Lab and office work; visits to incident sites
Demand	Growing — driven by new forensic-evidence laws and NFSU expansion
Top earning	Senior experts/consultants ₹1,50,000+ per month

3 What you need

INTERESTS

- Enjoying science and investigation
- Solving puzzles and problems
- Curiosity about how things fail

ABILITIES

- Keen attention to detail
- Ability to do scientific analysis with computers
- Logical and analytical thinking

KEY SKILLS

- Materials and structural failure analysis
- CAD/simulation software
- Photography and scene mapping
- Evidence collection and documentation
- Report writing and expert testimony
- Basic understanding of legal procedure

4 How to get there

- 1 Pass Class 12 Science with Physics, Chemistry and Maths
- 2 Do B.Tech/B.Sc in civil/mechanical/electrical engineering or forensic science
- 3 Enter engineering college via JEE Main or REAP
- 4 Do M.Tech/M.Sc in forensic science/forensic engineering (NFSU etc.)
- 5 Gain internships and experience in forensic labs, insurance or consulting firms
- 6 Apply for FSL/government recruitment exams or private expert roles

MAIN EXAMS

- JEE Main/Advanced (B.Tech admission)
- NFSU entrance test (NFAT)
- RPSC/FSL recruitment exams
- REAP — Rajasthan engineering admission
- GATE (M.Tech admission)

5 Where to study

GOVERNMENT INSTITUTES

- National Forensic Sciences University (NFSU) — Gandhinagar (campuses in Delhi, Bhopal etc.) (<https://nfsu.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://mnit.ac.in>)
- Rajasthan Technical University — Kota, Rajasthan (<https://www.rtu.ac.in>)
- MBM University — Jodhpur, Rajasthan (<https://www.mbm.ac.in>)

PRIVATE INSTITUTES

- Vivekananda Global University — Jaipur, Rajasthan
- Amity University — Jaipur, Rajasthan
- Parul University — Vadodara, Gujarat

ONLINE

- SWAYAM (फॉरेंसिक साइंस कोर्स) — Online (<https://swayam.gov.in>)

FEES

B.Tech/M.Sc fees in government institutes are about ₹30,000-1,00,000 per year; up to ₹1-2.5 lakh per year in private institutes.

SCHOLARSHIPS

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

6 What the work is like

WHERE YOU WORK

State/central forensic science laboratories, insurance companies, law firms, engineering consultancies, government investigation agencies.

WORK CULTURE

Mostly lab/office work 5-6 days a week; site visits can come anytime. Opportunities exist for persons with disabilities too.

WHO HIRES

- | | |
|---|--|
| • State Forensic Science Laboratory (FSL), Jaipur | • Central Forensic Science Laboratories (CFSL) |
| • Insurance companies (claim investigation) | • Engineering consulting firms |
| • CBI/police investigation units | • Independent expert/consultant practice |

DEMAND (2026)

Demand is rising steadily as new criminal laws make forensic investigation mandatory in serious crimes and infrastructure failure probes increase.

7 Career growth

- 1 Junior/project engineer
- 2 Forensic engineer/scientific officer
- 3 Senior engineer/assistant director
- 4 Deputy director/principal consultant
- 5 Director/independent expert

EARNINGS

Starting	₹25,000-45,000
Mid level	₹60,000-1,00,000
Senior level	₹1,20,000-2,00,000

Monthly estimates (2026); government posts follow pay scales, private experts also charge per case.

8 The good parts · The challenges

The good parts

- Direct contribution to society and justice
- Every case is new — work never gets boring
- Opportunities in both government and private sectors

The challenges

- Pure forensic engineering posts are still limited in India
- Pressure of court deadlines
- Distressing scenes at accident sites

9 Real-life journeys

Dr. J. M. Vyas

Founding Vice-Chancellor, National Forensic Sciences University; Padma Shri

Active in forensic investigation for 50 years, Dr. J. M. Vyas began at Gujarat FSL and built NFSU, the world's first forensic sciences university. He was honoured with the Padma Shri in 2022.

Wikipedia · https://en.wikipedia.org/wiki/J._M._Vyas

Dr. Hemlata Pandey

Forensic odontologist, Mumbai

Dr. Hemlata Pandey is one of India's few full-time forensic odontologists, helping police identify remains and solve crimes through dental analysis. Trained abroad, she has pioneered this emerging field in India.

TEDx Talks (TEDxMithibaiCollege) · <https://www.youtube.com/watch?v=BLjx6y6PKck>

10 Sources & further reading

1. Rajasthan Career Guidance Portal — Forensic Engineer — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%ab%e0%a5%8b%e0%a4%b0%e0%a5%87%e0%a4%82%e0%a4%b8%e0%a4%bf%e0%a4%95-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af%e0%a4%b0-forensic-engineer/>
2. National Forensic Sciences University (NFSU) — <https://nfsu.ac.in>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. SWAYAM portal (online courses) — <https://swayam.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