



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

तेल प्रौद्योगिकीविद्

Oil technologists work on the exploration, processing and quality of oil and gas - in both labs and the field. It is a key technical field in the energy industry.



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-4666

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

Oil technologists work on the exploration, processing and quality of oil and gas - in both labs and the field. It is a key technical field in the energy industry.

2 At a glance

Minimum qualification	12th (Science) + degree in Oil/Chemical/Petroleum Technology
Work mode	Lab, office and drill sites; tough conditions
Demand	Steady - in oil, gas and energy industry
Top earning	Manager/director: Rs 80,000-1.5 lakh+/month

3 What you need

INTERESTS

- Curiosity about how things work
- Experiments and field work
- Interest in science, chemistry and maths

ABILITIES

- Analytical thinking
- Precision and safety awareness
- Ability to work in tough environments

KEY SKILLS

- Understanding of oil and gas processing
- Quality and safety standards
- Data reporting
- Chemical/lab analysis
- Equipment and process knowledge
- Teamwork

4 How to get there

- 1 Pass 10+2 in science stream.
- 2 Clear JEE/REAP for B.Tech/B.E. in Oil/Petroleum/Chemical Technology.
- 3 Get practical lab and plant experience.
- 4 Build industry experience through internships.
- 5 Do M.Tech or industry certifications to specialise.

MAIN EXAMS

- JEE Main / JEE Advanced
- REAP (Rajasthan)
- GATE (Chemical/Petroleum)

5 Where to study

GOVERNMENT INSTITUTES

- MBM University — Jodhpur, Rajasthan
- Rajasthan Technical University (RTU) — Kota, Rajasthan
- CIPET — Jaipur, Rajasthan
- Institute of Chemical Technology — Mumbai
- Rajiv Gandhi Institute of Petroleum Technology — Amethi

PRIVATE INSTITUTES

- Manipal University Jaipur — Jaipur, Rajasthan
- NIMS University — Jaipur, Rajasthan
- UPES — Dehradun

ONLINE

- NPTEL/SWAYAM (Petroleum/Chemical) — Online (<https://nptel.ac.in>)
- Coursera/Udemy (Oil & Gas) — Online

FEES

Course fees are about Rs 3-12 lakh (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

Oil and gas industry, refineries, research labs, offices and drill sites.

WORK CULTURE

Lab and office work with drill-site travel; long, tough hours possible. Opportunities exist for persons with disabilities.

WHO HIRES

- | | |
|--|--------------------------------------|
| • ONGC, Oil India | • Indian Oil, BPCL, HPCL |
| • Reliance, Cairn-Vedanta | • Refineries and petrochemical firms |
| • Oilfield service firms (Schlumberger etc.) | • Quality and research labs |

DEMAND (2026)

Focus on energy security and domestic exploration keeps steady demand for skilled oil technologists in 2026, though the sector is cyclical.

7 Career growth

- 1 Associate Engineer
- 2 Senior Engineer, Oil Technology
- 3 Manager
- 4 Director

EARNINGS

Starting	₹30,000-45,000
Mid level	₹55,000-90,000
Senior level	₹1,00,000-1,50,000+

Monthly pay; varies by company (PSU/private) and experience. 2026 levels, indicative.

8 The good parts · The challenges

The good parts

- Good pay and PSU benefits
- Technical and field experience
- Stable career in energy industry

The challenges

- Tough and remote site conditions
- Cyclical industry and market risk
- Long hours and travel

9 Real-life journeys

Keshav Dev Malaviya

Oil technology expert, father of India's petroleum industry

With an oil technology degree from HBTI Kanpur, Keshav Dev Malaviya laid the foundation of oil exploration in India and was central to building institutions like ONGC and Oil India.

Wikipedia · https://en.wikipedia.org/wiki/Keshav_Dev_Malaviya

Sushma Rawat

ONGC Director (Exploration), petroleum geologist

Starting as a geologist in the Cauvery Basin in 1989, Sushma Rawat rose over 33 years to become ONGC's Director (Exploration), leading the adoption of advanced seismic technologies.

ONGC India · <https://ongcindia.com/web/eng/w/sushma-rawat-takes-charge-as-ongc-director>

10 Sources & further reading

1. Rajasthan Career Guidance: Oil Technologist — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%a4e0%a5%87%e0%a4%b2-%e0%a4%aa%e0%a5%8d%e0%a4%b0%e0%a5%8c%e0%a4%a6%e0%a5%8d%e0%a4%af%e0%a5%8b%e0%a4%97%e0%a4%bf%e0%a4%95%e0%a5%80%e0%a4%b5%e0%a4%bf%e0%a4%a6%e0%a5%8d-oil-technologist/>
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.

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