



तकनीशियन- डेंटल/रेडिएशन थेरेपी/एनेस्थीसिया/डायलिसिस/ऑपरेशन थिएटर/ब्लड बैंक/विजन/पंचकर्म

A medical technician assists doctors and nursing staff with various clinical procedures in hospitals and clinics. This field covers several specializations - dental technician, radiation therapy technician, anaesthesia...



Scan for everything on this career

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

career.gsssjethantri.in/#/career/voc-6389

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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

A medical technician assists doctors and nursing staff with various clinical procedures in hospitals and clinics. This field covers several specializations - dental technician, radiation therapy technician, anaesthesia technician, dialysis technician, operation theatre (OT) technician, blood bank technician, vision (ophthalmic) technician, and panchakarma technician. Each specialization uses different equipment and procedures, but all share the core role of providing hands-on technical support to doctors during patient care. Entry is through an NSQF-recognised diploma or certificate course after completing Class 12 in the Science stream, and the field offers steady employment opportunities in hospitals, diagnostic centres, dialysis units, blood banks, and clinics.

2 At a glance

Minimum qualification	Class 12 (Science stream)
Minimum Age	18 years
Training Level	NSQF Level 4
Specializations	Dental, Radiation Therapy, Anaesthesia, Dialysis, OT, Blood Bank, Vision, Panchakarma

3 What you need

INTERESTS

- Interest in helping people and a spirit of service
- Interest in biology/human anatomy and medical science
- Interest in working in fast-paced clinical settings like hospitals

ABILITIES

- A natural inclination to help everyone
- Ability to follow clear instructions from doctors and senior staff precisely
- Strong attention to detail and cleanliness/safety standards

KEY SKILLS

- Knowledge of human anatomy and basic medical terminology
- Infection control, hygiene, and equipment sterilization
- Record-keeping and report documentation
- Teamwork with doctors, nurses, and other medical staff
- Operating specialization-specific equipment (dialysis machines, OT equipment, radiation/X-ray machines, dental instruments)
- Sensitive and clear communication with patients
- Staying calm and acting promptly in emergencies (basic life support)

4 How to get there

- 1 Complete Class 12 in the Science stream (with Biology) and reach 18 years of age
- 2 Choose your preferred specialization - dental, radiation therapy, anaesthesia, dialysis, OT, blood bank, vision, or panchakarma technician
- 3 Enrol in an NSQF Level 4 recognised training institute (NSDC/JSS/NIOS) or a paramedical diploma college
- 4 Complete classroom learning along with hospital/clinical internship
- 5 Clear the NSQF assessment exam and get certified by the Healthcare Sector Skill Council
- 6 Register with the Rajasthan State Allied and Healthcare Council (formerly Rajasthan Paramedical Council) and apply for jobs

MAIN EXAMS

- Class 12 Science is the mandatory eligibility; admission to diploma colleges (e.g., RUHS/SMS Medical College) may be merit- or entrance-exam based, while NSDC/JSS/NIOS skill courses begin with direct enrolment, ending with the Healthcare Sector Skill Council's NSQF assessment exam and registration with the state paramedical/allied-health council.

5 Where to study

GOVERNMENT INSTITUTES

- NSDC प्रशिक्षण केंद्र खोजक (National Skill Development Corporation) — Centres across India, including Rajasthan (<https://nsdcindia.org/find-nsdc-training-centre>)

- जन शिक्षण संस्थान (Jan Shikshan Sansthan) - NSDC सहयोगी केंद्र — Centres across districts of Rajasthan (<https://nsdcindia.org/find-nsdc-training-centre-jss/>)
- NIOS व्यावसायिक शिक्षा अध्ययन केंद्र (NIOS Vocational Study Centres) — Centres located across India (<https://voc.nios.ac.in/registration/locate-study-centre>)
- राजस्थान यूनिवर्सिटी ऑफ हेल्थ साइंसेज़ (RUHS) - डिप्लोमा इन मेडिकल लैब टेक्नोलॉजी — Jaipur, Rajasthan
- एस.एम.एस. मेडिकल कॉलेज - डिप्लोमा इन मेडिकल लैब टेक्नीशियन — Jaipur, Rajasthan (<https://www.shiksha.com/college/s-m-s-medical-college-jaipur-63113/course-diploma-in-medical-lab-technician-1017707>)
- राजस्थान स्टेट एलाइड एंड हेल्थकेयर काउंसिल (पंजीकरण एवं पाठ्यक्रम नियामक निकाय) — Jaipur, Rajasthan (<https://rsahcouncil.org/our-courses/>)
- राजकीय मेडिकल कॉलेज, कोटा - डिप्लोमा इन मेडिकल लैबोरेट्री टेक्नोलॉजी — Kota, Rajasthan (<https://collegedunia.com/college/10492-government-medical-college-kota/diploma-in-medical-laboratory-technology-dmlt-3391>)

PRIVATE INSTITUTES

- गीतांजलि यूनिवर्सिटी - डिप्लोमा इन ऑपरेशन थिएटर टेक्नोलॉजी — Udaipur, Rajasthan (<https://www.geetanjaliuniversity.com/programmes/diploma-in-operation-theatre-technology>)
- जगन्नाथ यूनिवर्सिटी (JNU) जयपुर - DMLT व OT टेक्नोलॉजी डिप्लोमा — Jaipur, Rajasthan (<https://www.jnujaipur.ac.in/programmes/diploma-and-certificate/dmlt>)
- निर्वाण यूनिवर्सिटी - डिप्लोमा इन मेडिकल लैबोरेट्री टेक्नोलॉजी — Jaipur, Rajasthan (<https://www.nirwanuniversity.ac.in/diploma-programmes/diploma-in-medical-laboratory-technology-dmlt>)
- रावत कॉलेज - DMLT — Kota, Rajasthan (<https://www.rawatcollege.in/academic/dmlt>)

ONLINE

- NIOS व्यावसायिक शिक्षा (ऑनलाइन पंजीकरण/स्टडी सेंटर लोकेटर) — Online / distance (<https://voc.nios.ac.in/registration/locate-study-centre>)
- NSDC skill India डिजिटल पोर्टल — Online (<https://www.skillindiadigital.gov.in/>)
- ADCC अकादमी - डायलिसिस तकनीशियन कोर्स (NSDC सहयोगी) — Online / Hyderabad-based (<https://nsdc.adccacademy.com/dialysis-technician>)

FEES

Most government skill-development courses under NSDC/Jan Shikshan Sansthan/NIOS are free or available at minimal cost. In contrast, formal DMLT or other paramedical diploma courses at colleges/universities (e.g., RUHS, SMS Medical College, private universities) typically cost around ₹20,000 to ₹1,00,000+ per year, depending on the institute and specialization.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (National Scholarship Portal) (<https://scholarships.gov.in/fresh/onlineInstituteSearchIndex>)
- Buddy4Study - ITI/पैरामेडिकल छात्रों के लिए छात्रवृत्तियाँ (<https://buddy4study.com/article/iti-scholarships>)

6 What the work is like

WHERE YOU WORK

Hospitals, clinics, diagnostic and pathology labs, dialysis centres, blood banks, eye-care hospitals, and panchakarma/Ayurveda centres.

WORK CULTURE

Typically 8-9 hours a day, 5-6 days a week. Shift duty (morning/evening/night) is common, and overtime is often required, especially in emergency or OT duty. Opportunities also exist for candidates with disabilities in certain roles (e.g., lab/record-based work).

WHO HIRES

- Government hospitals and district hospitals
- Private hospitals and multi-specialty healthcare chains
- Diagnostic and pathology lab chains
- Dialysis centres (e.g., organisations like NephroPlus, DCDC Kidney Care)
- Blood banks and organisations like the Red Cross
- Health centres linked with NGOs/health missions (e.g., National Health Mission - NHM)
- ESIC, Railway & military hospitals (AFMS); RPSC/RSMSSB recruitment

DEMAND (2026)

Demand for trained medical technicians in India is steadily rising due to the expansion of hospitals and diagnostic services, population growth, and lifestyle-related diseases (such as kidney disease requiring dialysis) - especially in tier-2/3 cities and rural Rajasthan.

7 Career growth

- 1 Assistant Medical Technician
- 2 Executive Medical Technician

EARNINGS

Starting	₹14,600/माह
Mid level	₹18,000-20,000/माह
Senior level	₹25,000+/माह

Source: According to Indeed India (indeed.com), the indicative salary for a medical technician ranges from ₹14,600 to ₹25,000/month; the average salary for a laboratory technician was found to be around ₹16,500/month, ranging from ~₹13,000 (junior) to ~₹18,800/month (senior) - broadly consistent with this range. Actual pay depends on specialization, city, and employer (government/private).

8 The good parts · The challenges

The good parts

- Job-ready skills can be gained relatively quickly after Class 12
- Opportunities for stable employment in an essential sector like healthcare
- Fulfilling work connected to community service, directly helping patients

The challenges

- High work pressure due to shift duty, overtime, and emergency situations
- Starting salary can be relatively low, especially in the private sector
- Occupational risk of exposure to infections, radiation, or blood/bodily fluids

9 Real-life journeys

Arisha Fatima

Dialysis Technician

Despite facing a physical disability and the loss of her father, Arisha Fatima completed a Dialysis Technician diploma. After training and a hospital internship, she now works as a dialysis technician at a private hospital in New Delhi and has become financially independent.

Tech Mahindra SMART Academy (NSDC-affiliated skill training partner) · <https://www.smart-academy.in/success-stories/>

Chanchal**Operation Theatre (OT) Technician**

Chanchal completed her Operation Theatre Technician training at Delhi Academy and served at Safdarjung Hospital during the COVID-19 pandemic, playing an important role as part of the OT team during emergency conditions.

Tech Mahindra SMART Academy (NSDC-affiliated skill training partner) · <https://www.smart-academy.in/success-stories/>

Himanshu Rajora**Dialysis Technician**

After completing Class 12, Himanshu Rajora was unsure about his career direction. On learning about Tech Mahindra SMART Academy for Healthcare in Delhi, he enrolled in the Diploma in Dialysis Technician (DIDT) programme. During his on-the-job training at Jaypee Hospital, his performance impressed his supervisors so much that he received a job offer just six months into training. Himanshu now frequently recommends the Academy's healthcare programmes to his friends.

Tech Mahindra SMART Academy (NSDC-affiliated skill training partner) · <https://www.smart-academy.in/success-stories/>

10 Sources & further reading

1. Rajasthan Career Guidance Portal - Technician (source page) — <https://cg.rajasthan.gov.in/careerguidance/hi/career/तकनीशियन-डेंटल-रेडिएशन-थ/>
2. Indeed India - Medical Technician Salaries — <https://in.indeed.com/career/medical-technician/salaries>
3. Rajasthan State Allied and Healthcare Council - Course List — <https://rsahcouncil.org/our-courses/>
4. NSDC - Find Training Centre — <https://nsdcindia.org/find-nsdc-training-centre>
5. National Scholarship Portal — <https://scholarships.gov.in/fresh/onlineInstituteSearchIndex>

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