



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

समुद्री तकनीशियन

Marine technicians maintain and repair ship engines, machinery and electrical systems. This hands-on career pays well in the merchant navy, shipyards and ports.



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-6983

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

Marine technicians maintain and repair ship engines, machinery and electrical systems. This hands-on career pays well in the merchant navy, shipyards and ports.

2 At a glance

Minimum qualification	Class 12 (PCM) + marine engineering diploma/degree
Work mode	Technical field work on ships/shipyards, long shifts
Demand	Steady-rising (shipping, port expansion)
Top earning	₹20 lakh/year or more (experienced, foreign vessels)

3 What you need

INTERESTS

- Working on machines with your hands
- Solving technical problems
- Travel and the adventure of life at sea

ABILITIES

- Good grasp of machines and tools
- Sense of shape, space and technical drawings
- Physical and mental toughness in hard conditions

KEY SKILLS

- Marine diesel engine repair
- Maintenance of electrical and electronic systems
- Welding, fitting and machining
- Knowledge of pumps, boilers and hydraulics
- Following safety rules (STCW)
- Teamwork and discipline

4 How to get there

- 1 Pass Class 12 Science with Physics, Chemistry, Maths
- 2 Do a diploma or B.Tech in marine/mechanical engineering
- 3 Take IMU-CET for admission to maritime institutes
- 4 Complete STCW safety training and certification
- 5 Gain sea time as a cadet/junior technician
- 6 Advance via DG Shipping CoC examinations

MAIN EXAMS

- IMU-CET (Indian Maritime University entrance)
- JEE Main / REAP (for B.Tech/diploma)
- DG Shipping CoC exams (for promotion)

5 Where to study

GOVERNMENT INSTITUTES

- भारतीय समुद्री विश्वविद्यालय (IMU) — Chennai/Kolkata/Mumbai campuses (<https://www.imu.edu.in>)
- कोचीन विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय (CUSAT) — Kochi, Kerala (<https://cusat.ac.in>)
- राजस्थान तकनीकी विश्वविद्यालय (RTU) — Kota, Rajasthan (mechanical route)
- राजकीय पॉलिटेक्निक कॉलेज — Jaipur/Jodhpur/Kota, Rajasthan

PRIVATE INSTITUTES

- टोलानी मैरीटाइम इंस्टीट्यूट — Pune, Maharashtra
- वेल टेक विश्वविद्यालय — Chennai, Tamil Nadu

ONLINE

- IGNOU — Distance education, national (<https://www.ignou.ac.in>)

FEES

Diploma about ₹50,000-1.5 lakh/year; marine engineering degree ₹1-3 lakh/year. Varies by institute.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in>)

- राजस्थान सामाजिक न्याय छात्रवृत्ति (<https://sje.rajasthan.gov.in/>)
- विद्या लक्ष्मी शिक्षा ऋण पोर्टल (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

Merchant ships, shipyards, shipping companies, navy/coast guard dockyards, ports.

WORK CULTURE

Confined ship spaces, rough weather and long duties; months-long contracts followed by long leave; overtime common.

WHO HIRES

- Shipping Corporation of India
- Indian Navy/Coast Guard (civilian technicians)
- Port authorities and dredging companies
- Cochin Shipyard and other shipyards
- Foreign shipping lines (Maersk, MSC etc.)
- Offshore oil-gas companies (ONGC)

DEMAND (2026)

Sagarmala, port expansion and global demand for Indian crew keep opportunities for trained technicians rising steadily in 2026.

7 Career growth

- 1 Junior mechanic/technician
- 2 Senior technician
- 3 Mechanical supervisor
- 4 Chief technician
- 5 Marine engineer (with CoC)

EARNINGS

Starting	₹25,000-45,000
Mid level	₹60,000-1,00,000
Senior level	₹1,20,000-1,70,000+

Monthly estimates (2026). Pay on foreign vessels is higher and in dollars; source range ₹3-20 lakh/year.

8 The good parts · The challenges

The good parts

- Good, tax-advantaged earnings at a young age
- Opportunity to travel the world
- Globally demanded skills, overseas jobs

The challenges

- Months away from family at sea
- Work in rough weather with limited facilities
- Physically tiring long shifts

9 Real-life journeys

Dilna K

Lieutenant Commander, Indian Navy (INSV Tarini circumnavigator)

Lt Cdr Dilna K from Kozhikode, Kerala, sailed around the world on the naval vessel INSV Tarini with just one crewmate. Facing cyclones and the freezing seas near Cape Horn, the two women covered more than 25,000 nautical miles over eight months. As a girl she built her strength by drawing water from her home well every single day.

Onmanorama · <https://www.onmanorama.com/news/kerala/2025/05/29/insv-tarini-women-navy-circumnavigation.html>

Jagadhees

Marine engineer, first from his small town to go to sea

From the small town of Dalmiapuram in Tamil Nadu, Jagadhees became the first from his area to choose marine engineering. As a fourth engineer he has sailed to Germany, Brazil and the USA.

The Interview Portal · <https://theinterviewportal.com/2018/07/05/marine-engineer-merchant-navy-professional-interview/>

10 Sources & further reading

1. Rajasthan Career Guidance - Marine Technician — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%b8%e0%a4%ae%e0%a5%81%e0%a4%a6%e0%a5%8d%e0%a4%b0%e0%a5%80-%e0%a4%a4%e0%a4%95%e0%a4%a8%e0%a5%80%e0%a4%b6%e0%a4%bf%e0%a4%af%e0%a4%a8-marine-technician/>
2. Directorate General of Shipping — <https://www.dgshipping.gov.in>
3. Indian Maritime University — <https://www.imu.edu.in>
4. National Career Service (NCS) — <https://www.ncs.gov.in>



And 770+ more careers — the whole portal

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