



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

एसी तकनीशियन

An AC Technician installs, repairs and maintains air-conditioning and refrigeration systems. They diagnose faults, do gas charging and service units to run efficiently. With India's rising heat and booming AC sales, demand for...



Scan for everything on this career

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

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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

An AC Technician installs, repairs and maintains air-conditioning and refrigeration systems. They diagnose faults, do gas charging and service units to run efficiently. With India's rising heat and booming AC sales, demand for this skilled trade is very strong in 2026.

2 At a glance

Minimum qualification	Class 10/12 + ITI
Course duration	6 months – 2 years
Starting salary	₹15,000–22,000/month
Work mode	Field job / self-employment

3 What you need

INTERESTS

- Working with machines by hand
- Interest in electricals and tools
- Finding faults and solving problems

ABILITIES

- Ability to work with tools and instruments
- Being physically active and careful
- Understanding how technical parts connect

KEY SKILLS

- AC installation and de-installation
- Compressor and electrical wiring repair
- Following safety protocols
- Gas leak detection and refilling
- Preventive maintenance and servicing
- Customer service and communication

4 How to get there

- 1 Complete Class 10 or 12 in any stream.
- 2 Do an ITI in Refrigeration & Air Conditioning.
- 3 Take ESSCI's 'Field Technician – Air Conditioner' (ELE/Q3102) certificate.
- 4 Optional: Diploma or B.E. in Refrigeration/AC.
- 5 Check course duration and recognition before enrolling.

MAIN EXAMS

- Rajasthan ITI/SIT merit admission process
- NCVT/SCVT AITT trade examination

5 Where to study

GOVERNMENT INSTITUTES

- Government ITI, Bikaner — Bikaner
- Government ITI, Churu — Churu
- Government ITI, Sawai Madhopur — Sawai Madhopur
- Government Ramchandra Polytechnic College, Jaipur — Jaipur

PRIVATE INSTITUTES

- Maharishi Arvind College of Engineering & Research — Jaipur
- BITS Pilani (RAC/Mechanical streams) — Pilani

ONLINE

- Skill India Digital Hub – RAC courses — Online (<https://www.skillindiadigital.gov.in/>)
- NIMI e-learning (RAC Technician) — Online (<https://www.nimi.gov.in/>)

FEES

Government ITI fees are very low (about ₹3,000–10,000 per year). Private institutes/diplomas can cost ₹10,000–50,000 per year. Many trainings under PMKVY/RSLDC are free.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Buddy4Study (ITI/Vocational) (<https://www.buddy4study.com>)

- SJE Rajasthan Scholarships (<https://sje.rajasthan.gov.in/>)
- Vidya Lakshmi Education Loan Portal (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

Homes, shops, offices, malls, hospitals, factories, service centres and workshops.

WORK CULTURE

A field job with local travel. Around 6 days a week, 8–9 hours daily, with overtime common in summer. With experience you can start your own shop/agency.

WHO HIRES

- Service centres of AC brands like Voltas, Blue Star, Daikin
- Electronics retail and dealer workshops
- Real estate and HVAC contractors
- Indian Railways (RRB ITI/technical-trade recruitment, railway workshops)
- Agniveer scheme (Army technical/tradesman, Navy, Air Force)
- Urban Company and other on-demand service platforms
- Maintenance teams of hotels, hospitals and malls
- Own AC repair business
- Defence & public-sector undertakings (HAL, BEL, BHEL, Ordnance/Munitions India)

DEMAND (2026)

As the climate warms and AC use rises in homes and offices, demand for skilled AC technicians is high in 2026. Hot states like Rajasthan offer year-round work and strong self-employment opportunities.

7 Career growth

- 1 Junior AC Technician
- 2 Senior AC Technician
- 3 Supervisor
- 4 Service Manager / Project Manager
- 5 Own business / Agency owner

EARNINGS

Starting	₹15,000–22,000/माह
Mid level	₹28,000–40,000/माह
Senior level	₹50,000+/माह या स्वरोज़गार से अधिक

Figures are 2026 estimates; income can rise significantly with skill, city and self-employment.

8 The good parts · The challenges

The good parts

- Quick jobs with good demand after short training
- Opportunity to start your own business
- Year-round work in hot states

The challenges

- Physical work with heat, heights and heavy units
- Long hours and overtime in summer
- Safety risks from electricity and gas

9 Real-life journeys

Sachin Shinde

AC technician turned service entrepreneur

Raised in poverty in Mumbai's Worli chawl, Sachin Shinde started as an intern at Blue Star and spent nearly a decade maintaining ACs and refrigerators at BARC. In 1999 he left government service to found 'SPAN SPECTRUM', an AC service company that grew into a multi-crore business.

YourStory · <https://yourstory.com/2016/11/sachin-shinde-ac-repairman-millionaire>

Sumati Badaik

AC & refrigeration technician, workshop owner

Sumati Badaik of Rourkela has about 10 years in the AC service sector and runs her own workshop, 'Laxmi Refrigeration'. Through GIZ Proklima's RAC training she practically learned to prevent gas leakages and service units safely.

Green Cooling Initiative · <https://www.green-cooling-initiative.org/news-media/news/news-detail/2024/10/24/experiences-by-women-technicians-in-the-indian-rac-service-sector>

Priyanka**Air-conditioning service technician**

Priyanka from Ludhiana has worked in air-conditioning service for 8 years. RAC training boosted both her skills and confidence, and she now advises clients on environment-friendly practices.

Green Cooling Initiative · <https://www.green-cooling-initiative.org/news-media/news/news-detail/2024/10/24/experiences-by-women-technicians-in-the-indian-rac-service-sector>

10 If this route does not work out

One exam or one attempt does not close the door. The same subjects also open these routes — entry is usually easier, and you can return to this field later.

- Electrician (General)
- Cold Chain Process Management Specialist
- Community Journalist

11 Sources & further reading

1. Rajasthan Career Guidance – AC Technician — <https://cg.rajasthan.gov.in/careerguidance/>
2. Skill India Digital Hub — <https://www.skillindiadigital.gov.in/>
3. Electronics Sector Skills Council (ESSCI) — <https://www.essc-india.org/>
4. National Scholarship Portal — <https://scholarships.gov.in>

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