



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

इलेक्ट्रिक वाहन तकनीशियन

An Electric Vehicle Technician inspects, repairs and maintains EV batteries, motors, wiring and software. With more EVs on the road in 2026, skilled technicians are in short supply and high demand.



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-6972

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

An Electric Vehicle Technician inspects, repairs and maintains EV batteries, motors, wiring and software. With more EVs on the road in 2026, skilled technicians are in short supply and high demand.

2 At a glance

Minimum qualification	ITI or polytechnic diploma after Class 10/12
Work mode	Hands-on field and workshop work
Demand	Very high; EV service centres opening in every city
Top earning	₹60,000+ per month as senior technician or own workshop

3 What you need

INTERESTS

- Working with your hands
- Solving problems
- Organising things and planning

ABILITIES

- Working with machines, tools and software
- Ability to inspect with attention to detail
- Understanding numbers, data and graphs

KEY SKILLS

- Checking and repairing EV battery packs and BMS
- Following high-voltage safety rules
- Understanding wiring and charging systems
- Servicing electric motors and controllers
- Using diagnostic tools and multimeters
- Customer handling and keeping service records

4 How to get there

- 1 After Class 10, join ITI (Mechanic Electric Vehicle/Electrician trade)
- 2 Or after Class 12 (Science), do a polytechnic diploma in Electrical/Automobile
- 3 Take an EV technician certificate course from ASDC/Skill India
- 4 Do an apprenticeship or training at an EV company service centre
- 5 With experience, become a senior technician or open your own EV workshop

MAIN EXAMS

- Rajasthan ITI admission (merit based)
- Rajasthan polytechnic admission process

5 Where to study

GOVERNMENT INSTITUTES

- Government ITIs of Rajasthan — All districts including Jaipur, Jodhpur, Kota
- Government Polytechnic College Jaipur — Jaipur, Rajasthan
- Rajasthan Technical University — Kota, Rajasthan
- IIT Jodhpur — Jodhpur, Rajasthan (<https://www.iitj.ac.in>)

PRIVATE INSTITUTES

- Manipal University Jaipur — Jaipur, Rajasthan
- BITS Pilani — Pilani, Rajasthan
- ASDC Affiliated EV Training Centres — Across India (<https://asdc.org.in>)

ONLINE

- IGNOU — Distance education
- Skill India Digital EV Courses — Online

FEES

Government ITI/polytechnic fees are very low (a few thousand rupees a year); private EV certificate courses cost ₹20,000 to ₹1 lakh.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)

- Rajasthan SJE 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

EV service centres, workshops and garages, automobile manufacturers, fleet and charging companies.

WORK CULTURE

It is a field job; local travel and shifts possible; 6 days a week, 8-9 hours; you can also start your own business.

WHO HIRES

- EV service networks of Tata Motors, Mahindra and Maruti
- E-rickshaw and e-bus operator companies
- Multi-brand EV workshops and startups
- Ola Electric, Ather, TVS and Bajaj
- Battery swapping and charging companies
- Self-employment with your own EV repair workshop

DEMAND (2026)

By 2026 India has over 6 million EVs on the road and every brand needs trained technicians; service centres are opening even in small towns.

7 Career growth

- 1 Trainee / Junior Technician
- 2 Senior Technician
- 3 Service Manager
- 4 Field Engineer / Workshop Owner

EARNINGS

Starting	₹15,000-25,000
Mid level	₹25,000-40,000
Senior level	₹40,000-60,000

Approximate monthly pay; earnings can be higher with your own workshop or battery repair expertise.

8 The good parts · The challenges

The good parts

- Quick employment with low education cost
- Fast-growing field with job security
- Opportunity to start your own business

The challenges

- Care needed with high-voltage equipment
- Physical effort and standing work
- Repeated retraining as technology changes

9 Real-life journeys

Omkar Thale

EV retrofit innovator, founder of Autobat E-moto

Omkar Thale from Panvel, Maharashtra hand-converted a petrol Activa into a dual petrol-electric vehicle running 85 km per charge. Seeing his work, investors put in Rs 1 crore and 500 retrofit kits were built.

The Better India · <https://thebetterindia.com/252342/omkar-thale-convert-petrol-electric-vehicle-activa-retrofit-innovation-arai-icat-him16/>

Manjulata Patel

Vehicle electrician, Indore

Manjulata Patel, a former nurse from Indore, took four months of training to repair vehicles' electrical components and nearly tripled her income. This vehicle-electrician skill is the direct ladder to becoming an EV technician.

Asia News Network · <https://asianews.network/electricians-e-rickshaw-drivers-indian-women-challenge-patriarchy-with-non-traditional-jobs/>

10 Sources & further reading

1. Rajasthan Govt Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%87%e0%a4%b2%e0%a5%87%e0%a4%95%e0%a5%8d%e0%a4%9f%e0%a5%8d%e0%a4%b0%e0%a4%bf%e0%a4%95-%e0%a4%b5%e0%a4%be%e0%a4%b9%e0%a4%a8-%e0%a4%a4%e0%a4%95%e0%a4%a8%e0%a5%80%e0%a4%b6%e0%a4%bf%e0%a4%af%e0%a4%a8/>
2. Automotive Skills Development Council (ASDC) — <https://asdc.org.in>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. PM E-DRIVE Scheme (Ministry of Heavy Industries) — <https://pmedrive.heavyindustries.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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