



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

ऑटोमोबाइल इंजीनियर

An automobile engineer designs, develops, manufactures and tests cars, buses, trucks and two-wheelers. In the electric vehicle (EV) era, the field is changing fast and creating new opportunities.



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-4688

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 automobile engineer designs, develops, manufactures and tests cars, buses, trucks and two-wheelers. In the electric vehicle (EV) era, the field is changing fast and creating new opportunities.

2 At a glance

Minimum qualification	Diploma or B.Tech/BE (Automobile/Mechanical)
Work mode	Office + plant/assembly line
Demand	High — EV and auto manufacturing boom
Top earning	₹2,00,000+ per month (senior level)

3 What you need

INTERESTS

- Deep interest in vehicles and machines
- Designing things creatively
- Paying attention to detail

ABILITIES

- Logical and critical thinking
- Good command of maths and physics
- Hands-on work and technical aptitude

KEY SKILLS

- Vehicle design and CAD software
- Engine, powertrain and EV technology
- Manufacturing processes and quality control
- Testing and troubleshooting
- Project and team management
- Continuous learning of new technology

4 How to get there

- 1 After Class 10, take Science (PCM) or join a polytechnic diploma

- 2 Pass Class 12 with Physics, Chemistry, Maths
- 3 Do B.Tech in Automobile or Mechanical Engineering via JEE Main/REAP
- 4 Do internships and projects with auto companies
- 5 Optionally take GATE for M.Tech or specialise in EVs

MAIN EXAMS

- JEE Main / JEE Advanced
- REAP (Rajasthan engineering admission)
- GATE (higher studies/PSUs)

5 Where to study

GOVERNMENT INSTITUTES

- Rajasthan Technical University (RTU) — Kota, Rajasthan (<https://rtu.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://mnit.ac.in>)
- Government Polytechnic Colleges (Diploma) — Jaipur/Jodhpur/Ajmer, Rajasthan
- VJTI — Mumbai, Maharashtra
- NIT Tiruchirappalli — Trichy, Tamil Nadu

PRIVATE INSTITUTES

- Manipal University Jaipur — Jaipur, Rajasthan (<https://jaipur.manipal.edu>)
- Poornima College of Engineering — Jaipur, Rajasthan (<https://poornima.edu.in>)
- VIT — Vellore, Tamil Nadu (<https://vit.ac.in>)
- SRM Institute of Science and Technology — Chennai, Tamil Nadu

ONLINE

- NPTEL (Automobile Engineering) — Online (<https://nptel.ac.in>)
- SWAYAM — Online (<https://swayam.gov.in>)

FEES

B.Tech fees are about ₹60,000-1,00,000 per year in government colleges; ₹1,00,000-2,50,000 per year in private ones. Diploma is much cheaper.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Vidya Lakshmi Education Loan (<https://www.vidyalakshmi.co.in>)

- Buddy4Study (<https://www.buddy4study.com>)
- Rajasthan CM Higher Education Scholarship (<https://sje.rajasthan.gov.in>)

6 What the work is like

WHERE YOU WORK

Vehicle manufacturers, production plants, service stations, design and motorsport companies, insurance and transport corporations, research labs.

WORK CULTURE

Mostly office and plant work; assembly-line and site visits are common. Hours vary with deadlines. Opportunities exist for persons with disabilities.

WHO HIRES

- Maruti Suzuki, Tata Motors, Mahindra
- EV companies (Ola Electric, Ather etc.)
- Rajasthan Roadways and transport departments
- Hero, Bajaj, TVS (two-wheelers)
- Auto component firms (Bosch, Motherson)
- Research bodies (ARAI etc.)

DEMAND (2026)

India is among the world's largest vehicle markets; in 2026 demand for engineers in EVs, hybrids and auto components remains high.

7 Career growth

- 1 Graduate/Process Engineer
- 2 Project Engineer
- 3 Senior Engineer
- 4 Product/Manufacturing Engineer
- 5 Engineering Manager

EARNINGS

Starting	₹20,000-40,000
Mid level	₹50,000-1,00,000
Senior level	₹1,00,000-2,00,000+

Pay is higher in EV and R&D roles; figures are monthly and indicative.

8 The good parts · The challenges

The good parts

- Large industry with wide job options
- Exciting new opportunities from the EV revolution
- Entry possible even via diploma

The challenges

- Relatively low starting salary
- Shifts and physical work in plants
- Hiring affected by market slowdowns

9 Real-life journeys

Poonam Singh

Automobile Mechanic and Supervisor

Poonam Singh of Meerut became India's first woman to finish an ITI automobile mechanic course and apprenticeship, winning a President's award. She worked as a supervisor at a Maruti Suzuki service centre — the first woman in her family with a formal job.

Motoroids · <https://www.motoroids.com/news/meet-poonam-singh-indias-first-iti-certified-lady-car-mechanic-and-presidents-medal-winner/>

Dr. Pawan Kumar Goenka

Automotive Engineer, led Scorpio development

Born in Harpalpur, Madhya Pradesh, Pawan Goenka studied mechanical engineering at IIT Kanpur. After R&D at General Motors, he led the Scorpio's development at Mahindra and rose to MD; he received the Padma Shri.

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

10 Sources & further reading

1. Rajasthan Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%91%e0%a4%9f%e0%a5%8b%e0%a4%ae%e0%a5%8b%e0%a4%ac%e0%a4%be%e0%a4%87%e0%a4%b2-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af%e0%a4%b0-automobile-engineer/>
2. Automotive Research Association of India (ARAI) — <https://www.araiindia.com>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. National Scholarship Portal — <https://scholarships.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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