



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

ड्राफ्ट्समैन

A Draughtsman (Draftsman) is the technical artist who turns the ideas of engineers and architects into precise drawings and plans — preparing, correcting and documenting the plans for buildings, roads and bridges is their core...



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-6375

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

A Draughtsman (Draftsman) is the technical artist who turns the ideas of engineers and architects into precise drawings and plans — preparing, correcting and documenting the plans for buildings, roads and bridges is their core job. Working on software like AutoCAD, they understand measurements, scales and construction risks. It is a skilled, technical and respected career that leads to private-company jobs as well as government posts in Railways, PWD and the Survey of India.

2 At a glance

Minimum qualification	Class 12 + ITI (NSQF Level 5)
Course duration	About 1–2 years (ITI Draughtsman)
Starting salary	₹12,000–18,000/month
Work mode	Design and drawing work in office/site

3 What you need

INTERESTS

- Interest in drawing, design and blueprints
- Enjoy working on computers and software (AutoCAD)
- A leaning towards maths, measurement and geometry

ABILITIES

- Attention to fine detail while working
- Spatial imagination and accuracy
- Ability to work comfortably in a team

KEY SKILLS

- Making technical drawings by hand and on software
- Using AutoCAD / Computer-Aided Design (CAD)

- Reading and interpreting plans, maps and blueprints
- Understanding drafting standards and civil concepts
- Documentation and drawing-file management
- Correct use of measurements, scales and dimensions
- Identifying the construction process and its risks

4 How to get there

- 1 Complete Class 10/12 (better with science and maths).
- 2 Join an ITI in the Draughtsman (Civil) or Draughtsman (Mechanical) trade.
- 3 After age 18, complete the NSQF Level 5 Draughtsman course/certification.
- 4 Gain and practise proficiency in AutoCAD and other CAD software.
- 5 Add experience through internship or apprenticeship at a construction/architecture firm.
- 6 In Rajasthan, prepare through RSLDC/PMKVY and for Railways/PWD draughtsman recruitment.

MAIN EXAMS

- NCVT/SCVT ITI trade exam (AITT)
- Railways (RRB), PWD and SSC draughtsman recruitment exams

5 Where to study

GOVERNMENT INSTITUTES

- राष्ट्रीय कौशल विकास निगम (NSDC) — All-India network (<https://www.nsdcindia.org/find-nsdc-training-centre>)
- सरकारी औद्योगिक प्रशिक्षण संस्थान (ITI) – ड्राफ्ट्समैन ट्रेड — Various districts of Rajasthan
- राजस्थान कौशल एवं आजीविका विकास निगम (RSLDC) — Jaipur, Rajasthan (<https://livelihoods.rajasthan.gov.in/rsldc/>)
- एनआईओएस व्यावसायिक प्रशिक्षण केंद्र — Online / locate nearest centre (<https://voc.nios.ac.in/registration/locate-study-centre>)

PRIVATE INSTITUTES

- CADD Centre — Jaipur and other Rajasthan cities (<https://www.caddcentre.com/>)
- Bhartiya Skill Development University (BSDU) — Jaipur, Rajasthan (<https://www.bsdu.in/>)

ONLINE

- Autodesk – AutoCAD लर्निंग — Online (<https://www.autodesk.in/products/autocad/>)
- स्किल इंडिया डिजिटल हब — Online (<https://www.skillindiadigital.gov.in/>)

FEES

At government ITIs and under NSDC/RSLDC schemes this course is free or very low-cost. Courses at private CAD/AutoCAD institutes (like CADD Centre) can cost roughly ₹15,000–50,000.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in/fresh/onlineInstituteSearchIndex>)
- Buddy4Study – ITI/Vocational Scholarships (<https://www.buddy4study.com/article/iti-scholarships>)
- SJE Rajasthan Scholarships (<https://sje.rajasthan.gov.in/>)

6 What the work is like

WHERE YOU WORK

Construction agencies, architecture firms, civil engineering companies, design consultancies and government construction departments.

WORK CULTURE

Typically 5-6 days a week, 8-9 hours a day; shift duty and overtime can occur. Most work is on a computer in the office, with occasional site visits. This field also offers opportunities for persons with disabilities.

WHO HIRES

- | | |
|---|--|
| • Architecture and interior design firms | • Civil engineering and construction companies |
| • Indian Railways (RRB Draughtsman), CPWD and Rajasthan PWD | • Survey of India, Military Engineer Services (MES) and defence establishments |
| • Defence PSU design departments (e.g. HAL, BEL, BHEL) | • Design/CAD outsourcing and consultancy companies |

DEMAND (2026)

The expansion of infrastructure, smart cities and real estate keeps demand for skilled draughtsmen steady. Besides private firms, Indian Railways, PWD, the Survey of India and defence establishments regularly recruit draughtsmen, offering strong government-job opportunities too.

7 Career growth

- 1 Draughtsman
- 2 Senior Draughtsman
- 3 Design/CAD Team Lead
- 4 Design Manager / Production Head

EARNINGS

Starting	₹12,000–18,000/माह
Mid level	₹20,000–35,000/माह
Senior level	₹40,000–60,000+/माह

Per NCS, an entry-level draughtsman earns roughly ₹10,000–15,500/month; per PayScale this grows with experience. Government jobs (Railways/PWD) offer better pay scales, allowances and stability than the private sector.

8 The good parts · The challenges

The good parts

- Technical, respected and less physically demanding work
- Strong government-job opportunities in Railways/PWD/defence
- CAD skills open paths to grow in engineering and design

The challenges

- Long hours seated at a screen
- Demands great precision and zero errors
- Requires constantly updating software and technical skills

9 Real-life journeys

Xenophon Das

India's Mechanical Engineering CAD competitor at WorldSkills Kazan 2019

Xenophon Das mastered technical drawing and Computer-Aided Design (CAD) so well that he was selected to represent India in the 'Mechanical Engineering CAD' skill at the 45th WorldSkills Competition in Kazan, Russia in 2019, competing against the world's best young draughtsmen and designers. His achievement shows how drawing and CAD skills can take a young person to national and international stages.

WorldSkills India · <https://worldskillsindia.co.in/kazan2019.php>

Shweta Ratanpura

First Indian woman to win a WorldSkills medal (Bronze, Graphic Design)

Shweta Ratanpura from Maharashtra made history at age 22 — winning a bronze medal in Graphic Design Technology at the 45th WorldSkills Competition in Kazan, Russia in 2019, becoming the first Indian woman to win a medal at this international event. This is a field of design and technical drawing, and her success inspires every girl who wants to pursue a skill-based career like draughtsman, CAD or design.

Cosmopolitan India · <https://www.cosmopolitan.in/celebrity/features/story/shweta-ratanpura-creates-history-becoming-first-indian-woman-win-medal-658181-2019-09-02>

10 Sources & further reading

1. Rajasthan Career Guidance – Draughtsman — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%a1%e0%a5%8d%e0%a4%b0%e0%a4%be%e0%a4%ab%e0%a5%8d%e0%a4%9f%e0%a5%8d%e0%a4%b8%e0%a4%ae%e0%a5%88%e0%a4%a8/>
2. DGT – Draughtsman (Civil) Syllabus — https://dgt.gov.in/sites/default/files/Draughtsman%20Civil_CTS2.0_NSQF-4.pdf
3. PayScale – Draughtsman Salary — <https://www.payscale.com/research/IN/Job=Draughtsman/Salary>
4. National Career Service (NCS) — <https://www.ncs.gov.in/>
5. National Scholarship Portal — <https://scholarships.gov.in>



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