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करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

सूचना प्रौद्योगिकी इंजीनियर

An Information Technology (IT) Engineer builds, runs and secures the software, networks, databases and systems that every industry now depends on. They code, solve problems and innovate. It is a flexible, high-demand and...



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-4624

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 Information Technology (IT) Engineer builds, runs and secures the software, networks, databases and systems that every industry now depends on. They code, solve problems and innovate. It is a flexible, high-demand and well-paying career.

2 At a glance

Minimum qualification	B.Tech/degree in IT/Computer Science
Work mode	Office & work-from-home, fixed hours
Demand	Very high — AI, cloud & data
Top earning	₹2,50,000+/month

3 What you need

INTERESTS

- Interest in computers, coding and tech
- Building new things and innovating
- Enjoying problem-solving

ABILITIES

- Logical, analytical thinking
- Ability to keep learning
- Good verbal communication

KEY SKILLS

- Programming (Python, Java, C++)
- Databases and SQL
- Cloud and DevOps
- Problem-solving and teamwork
- Web and software development
- Networking and cybersecurity
- Data structures and algorithms

4 How to get there

- 1 Pass 10+2 with science/math.
- 2 Do a B.Tech or degree in IT/Computer Science/CSE/ECE.
- 3 Clear an entrance test (JEE Main/REAP etc.).
- 4 Build a portfolio through projects, internships and coding practice.
- 5 Start as a junior IT/software engineer.
- 6 With experience and certifications, move to senior, lead and management roles.

MAIN EXAMS

- JEE Main / REAP (bachelor's entry)
- GATE (master's and PSU jobs)

5 Where to study

GOVERNMENT INSTITUTES

- मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान (MNIT) — Jaipur, Rajasthan
- राजस्थान तकनीकी विश्वविद्यालय (RTU) व संबद्ध कॉलेज — Kota, Rajasthan
- राजकीय पॉलिटेक्निक महाविद्यालय (आई.टी. डिप्लोमा) — Jaipur & others, Rajasthan
- दिल्ली प्रौद्योगिकी विश्वविद्यालय (DTU) — New Delhi

PRIVATE INSTITUTES

- मणिपाल यूनिवर्सिटी जयपुर — Jaipur, Rajasthan
- वेल्लोर प्रौद्योगिकी संस्थान (VIT) — Vellore, Tamil Nadu
- बिड़ला प्रौद्योगिकी संस्थान (BIT) — Mesra, Jharkhand

ONLINE

- SWAYAM/NPTEL (कंप्यूटर विज्ञान व आई.टी.) — Online (<https://swayam.gov.in>)
- Coursera (आई.टी. व प्रोग्रामिंग) — Online (<https://www.coursera.org>)

FEES

About ₹30,000-2,00,000/year in government institutes and ₹1,50,000-4,00,000/year in private ones; diplomas are cheaper.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल / National Scholarship Portal (<https://scholarships.gov.in>)
- Buddy4Study (<https://www.buddy4study.com>)
- विद्यालक्ष्मी शिक्षा ऋण / Vidya Lakshmi Education Loan (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

IT specialists are needed in tech, finance, e-commerce, medicine, defence and almost every sector, with opportunities across India.

WORK CULTURE

IT engineers work mainly from office or home; usually fixed hours with extra work near deadlines. Full-time, part-time and freelance options exist, sometimes with rotational shifts. Opportunities exist for persons with disabilities.

WHO HIRES

- | | |
|---|---|
| • IT services firms (TCS, Infosys, Wipro) | • Product and software companies |
| • Startups and fintech | • Banks, e-commerce and telecom |
| • Government IT and e-governance | • Global capability centres (GCCs) and MNCs |

DEMAND (2026)

Rapid growth in AI, cloud, data, cybersecurity and digital transformation keeps demand for skilled IT engineers very high in 2026.

7 Career growth

- 1 Junior IT/Software Engineer
- 2 Senior IT Engineer/Developer
- 3 Team Lead
- 4 Project Manager, IT
- 5 Architect/Technical Director

EARNINGS

Starting	₹25,000-45,000/माह
Mid level	₹60,000-1,20,000/माह
Senior level	₹2,50,000+/माह

Source: PayScale and NCS, 2026; much higher in product companies, abroad and specialist roles.

8 The good parts · The challenges

The good parts

- Very high demand and good pay
- Work-from-home and flexibility
- Fast growth and global opportunities

The challenges

- Pressure to keep learning new tech
- Long hours near deadlines
- Long hours in front of a screen

9 Real-life journeys

Praveen Bankhede

Software Engineer, Perpetual Block (Pune)

Son of farmers from Karajgaon village in Betul, Madhya Pradesh, Praveen Bankhede walked 3 km to school and helped in the fields; after a B.Tech and many rejections, he learned full-stack development and became a software engineer — today the highest earner in his family.

Newton School · <https://www.newtonschool.co/post/from-farmers-son-to-software-engineer-the-inspiring-journey-of-praveen-bankhede>

Nagalakshmi

Android Developer, GlobalFair

Raised in a farming family in Andhra Pradesh and schooled in a Telugu-medium government school, Nagalakshmi taught herself Android development after college and became the first working woman from her village, clearing three companies within six weeks despite early rejections.

Masai School · <https://www.masaischool.com/blog/android-development-at-masai-made-nagalakshmi-the-first-working-woman-from-her-village/>

Rutuja Kumthekar**Software Developer, Light & Wonder**

Eldest daughter of tailors who work from home in Kolhapur, Rutuja Kumthekar got no campus placement, so she built industry skills on her own and is now a software developer at an international gaming-tech company.

Newton School · <https://www.newtonschool.co/post/the-story-of-rutuja-how-a-tailors-daughter-became-a-software-developer>

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.

- Civil Engineer
- Agricultural Engineer
- Aeronautical Engineer

11 Sources & further reading

1. Rajasthan Career Guidance — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%b8%e0%a5%82%e0%a4%9a%e0%a4%a8%e0%a4%be-%e0%a4%aa%e0%a5%8d%e0%a4%b0%e0%a5%8c%e0%a4%a6%e0%a5%8d%e0%a4%af%e0%a5%8b%e0%a4%97%e0%a4%bf%e0%a4%95%e0%a5%80-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8/>
2. AICTE — <https://www.aicte-india.org>
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**

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