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करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

भूगोलवेत्ता

Geographers study the earth, landscapes, climate and human settlements, offering solutions in urban planning, environment and disaster management. GIS and satellite data are central to modern geography.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/socst-4565

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

Geographers study the earth, landscapes, climate and human settlements, offering solutions in urban planning, environment and disaster management. GIS and satellite data are central to modern geography.

2 At a glance

Minimum qualification	Class 12 (arts/science) + bachelor's in geography/earth science; PG in GIS helps
Work mode	Office and computer work plus fieldwork and travel
Demand	Growing - in GIS, smart cities, climate and disaster management projects
Top earning	₹1.8 lakh+/month at senior GIS/survey manager level

3 What you need

INTERESTS

- Interest in geography, maps and nature
- Comfort with computers and new technology
- Like analysing and interpreting data

ABILITIES

- Spatial thinking and observation
- Skilled communication
- Analytical and mathematical ability

KEY SKILLS

- GIS software (QGIS, ArcGIS)
- Cartography and surveying
- Remote sensing and satellite image analysis
- Statistical data analysis

- Fieldwork and data collection
- Report writing and presentation

4 How to get there

- 1 Complete Class 12 in arts or science; take geography.
- 2 Do a bachelor's (BA/BSc) in geography/earth science.
- 3 Pursue a master's in geography, GIS-remote sensing, urban planning or climatology.
- 4 Take GIS certificate courses from institutes like IIRS Dehradun.
- 5 Start with internships/jobs in survey agencies, urban bodies or GIS firms; PhD for research.

MAIN EXAMS

- CUET (UG/PG) for university admission
- UGC NET/JRF (geography) for teaching and research
- GATE (geomatics) for technical PG courses

5 Where to study

GOVERNMENT INSTITUTES

- University of Rajasthan (Department of Geography) — Jaipur, Rajasthan
- Jai Narain Vyas University — Jodhpur, Rajasthan
- Mohanlal Sukhadia University — Udaipur, Rajasthan
- Delhi School of Economics/Miranda House, University of Delhi — New Delhi
- Indian Institute of Remote Sensing (ISRO) — Dehradun, Uttarakhand
- Jawaharlal Nehru University (CSRD) — New Delhi

PRIVATE INSTITUTES

- NIMS University — Jaipur, Rajasthan
- Banasthali Vidyapith — Tonk, Rajasthan
- Symbiosis Institute of Geoinformatics — Pune, Maharashtra

ONLINE

- IGNOU (M.A. Geography, distance) — Distance education
- IIRS-ISRO free online GIS/remote sensing courses — Online

FEES

Course fees roughly ₹3,000 to ₹1,50,000; much lower at government universities and IGNOU. Varies by institute.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- Rajasthan CM Higher Education Scholarship (HTE) (<https://hte.rajasthan.gov.in>)
- Vidya Lakshmi Education Loan Portal (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

State/central government departments, urban planning bodies, engineering-architecture firms, GIS companies, schools, colleges and research institutes.

WORK CULTURE

Travel to remote places to collect data and observe landscapes; computer-based analysis otherwise. Opportunities exist for persons with disabilities.

WHO HIRES

- | | |
|---|--|
| • Survey of India and ISRO centres | • Rajasthan town planning department and smart city projects |
| • GIS/mapping firms - Esri India, Genesys, MapmyIndia | • Environment and disaster management agencies |
| • Schools, colleges and universities | • International organisations and research projects |

DEMAND (2026)

Demand for GIS-skilled geographers is rising fast in 2026 with smart cities, Jal Jeevan Mission, climate studies and drone-based mapping.

7 Career growth

- 1 Survey/Cartographic technician
- 2 GIS specialist/Land surveyor

- 3 GIS supervisor
- 4 Survey manager/Department head

EARNINGS

Starting	₹25,000-40,000
Mid level	₹50,000-90,000
Senior level	₹1,00,000-1,80,000

Pay rises quickly with GIS/remote-sensing skills and experience; UGC pay scales apply in teaching.

8 The good parts · The challenges

The good parts

- Work connecting nature, technology and society
- GIS skills open doors in many industries
- The excitement of fieldwork and travel

The challenges

- Tough fieldwork in remote areas
- Slow growth in purely academic posts
- Need to keep learning new technology

9 Real-life journeys

Chandra Shekhar Balachandran

Geographer - founder-director of The Institute of Geographical Studies

After two decades of study and work in the US, Dr. Chandra Shekhar Balachandran returned to India and founded TIGS in Bengaluru in 2000, popularising geography among school children by linking it to life.

Pothi.com interview · <https://pothi.com/blog/2020/10/08/interview-chandra-shekhar-balachandran-tigs/>

Prof. Anu Kapur

Professor of geography - Delhi School of Economics, University of Delhi

Prof. Anu Kapur studied geography from bachelor's to PhD and became a professor at the University of Delhi; her books on disasters and India's geography won the 2012 Amartya Sen Award.

Department of Geography, University of Delhi · <https://sites.google.com/geography.du.ac.in/web/people/faculty-members/prof-anu-kapur>

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.

- Curator
- Cartographer

11 Sources & further reading

1. Rajasthan Career Guidance portal - Geographer page — <https://cg.rajasthan.gov.in/careerguidance/hi/career/geographer-%e0%a4%ad%e0%a5%82%e0%a4%97%e0%a5%8b%e0%a4%b2%e0%a4%b5%e0%a5%87%e0%a4%a4%e0%a5%8d%e0%a4%a4%e0%a4%be/>
2. National Career Service portal — <https://www.ncs.gov.in>
3. National Scholarship Portal — <https://scholarships.gov.in>
4. UGC - list of recognised universities — <https://www.ugc.gov.in>
5. NIRF institute rankings — <https://www.nirfindia.org>



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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