



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

जीआईएस विशेषज्ञ

GIS specialists analyse land, cities and resources using maps, satellite images and spatial data. With smart cities, drone surveys and navigation apps, it is a rising 2026 career.



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-6977

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri · ब्लॉक समदड़ी · बालोतरा (Block Samdari · Balotra)

www.gsssjethantri.in · career.gsssjethantri.in



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

GIS specialists analyse land, cities and resources using maps, satellite images and spatial data. With smart cities, drone surveys and navigation apps, it is a rising 2026 career.

2 At a glance

Minimum qualification	Bachelor's in geoinformatics/geography/computers
Work mode	Desk job + field surveys
Demand	High (smart cities, drones, navigation)
Top earning	Up to ₹1.8 lakh/month at senior level

3 What you need

INTERESTS

- Interest in maps and geography
- Keeping things organised and planning
- Solving problems

ABILITIES

- Sense of shape and space
- Working with software and instruments
- Understanding numbers, data and graphs

KEY SKILLS

- ArcGIS and QGIS software
- GPS/DGPS and drone surveying
- Spatial databases and data analysis
- Remote sensing and satellite image analysis
- GIS automation with Python
- Cartography and map design

4 How to get there

- 1 Complete Class 12 in science (PCM) or arts (geography-maths)
- 2 Do B.Tech geoinformatics/computer science or B.Sc/BA geography
- 3 Do a PG diploma or master's in GIS and remote sensing
- 4 Earn certificates from free IIRS-ISRO online courses
- 5 Intern with government departments or geospatial companies

MAIN EXAMS

- JEE Main / REAP (Rajasthan) for B.Tech
- CUET for B.Sc/BA
- GATE (Geomatics Engineering paper) for M.Tech

5 Where to study

GOVERNMENT INSTITUTES

- IIT Jodhpur — Jodhpur, Rajasthan (<https://www.iitj.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- MBM University — Jodhpur, Rajasthan (<https://www.mbm.ac.in>)
- University of Rajasthan — Jaipur, Rajasthan (<https://www.uniraj.ac.in>)
- Mohanlal Sukhadia University — Udaipur, Rajasthan

PRIVATE INSTITUTES

- Poornima University — Jaipur, Rajasthan
- Amity University — Jaipur, Rajasthan

ONLINE

- IIRS-ISRO Outreach Programme — Online (Dehradun) (<https://www.iirs.gov.in>)
- IGNOU — Distance education, New Delhi (<https://www.ignou.ac.in>)

FEES

About ₹20,000-2 lakh per year in government institutes; up to ₹7 lakh in private ones; many IIRS online courses are free.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Rajasthan SJE Scholarship Portal (<https://sje.rajasthan.gov.in>)
- AICTE Student Schemes (Pragati/Saksham) (<https://www.aicte-india.org>)

6 What the work is like

WHERE YOU WORK

Government agencies, private companies, NGOs, research institutes and startups.

WORK CULTURE

Mostly desk-based data and mapping work with occasional field surveys; often 6 days a week, 8-9 hours; contract roles also exist.

WHO HIRES

- | | |
|--|--|
| • ISRO, NRSC and Survey of India | • Revenue, town planning and water resources departments |
| • Esri India and MapmyIndia | • Smart City and AMRUT projects |
| • Drone survey and geospatial startups | • International NGOs and consulting firms |

DEMAND (2026)

National Geospatial Policy, SVAMITVA drone surveys and location-based services are driving strong demand for GIS professionals in 2026.

7 Career growth

- 1 GIS analyst
- 2 GIS cartographer
- 3 GIS developer
- 4 GIS project manager
- 5 Remote sensing specialist

EARNINGS

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

Monthly salary; GIS developers with programming skills earn more.

8 The good parts · The challenges

The good parts

- Growing opportunities in both government and private sectors
- Interesting mix of technology and geography
- Affordable entry via free courses like IIRS

The challenges

- Many entry-level jobs are contractual
- Long hours of detailed on-screen data work
- Need to keep learning new software

9 Real-life journeys

Rohan Verma

CEO of MapmyIndia (Mappls), builder of India's own digital maps

Rohan Verma built Mappls-MapmyIndia, India's homegrown digital mapping platform used in millions of vehicles and apps. He believes geospatial technology holds a big future for Indian youth.

The Week · <https://www.theweek.in/theweek/business/2025/02/22/mapmyindia-ceo-rohan-verma-interview.html>

Rashmi Verma

Digital Mapping Specialist, Co-founder of MapmyIndia

Raised in Bareilly, Rashmi Verma studied engineering at Roorkee and dreamed of building India's first digital maps. Long before Google Maps arrived, she travelled city by city collecting road data and co-founded MapmyIndia. The digital mapping technology she built now guides millions of Indians every day.

YourStory · <https://yourstory.com/2020/10/techie-tuesday-rashmi-verma-mapmyindia-digital-maps-google>

10 Sources & further reading

1. Rajasthan career guidance portal - GIS Specialist — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%9c%e0%a5%80%e0%a4%86%e0%a4%88%e0%a4%8f%e0%a4%b8-%e0%a4%b5%e0%a4%bf%e0%a4%b6%e0%a5%87%e0%a4%b7%e0%a4%9c%e0%a5%8d%e0%a4%9e-%e0%a4%ad%e0%a5%8c%e0%a4%97%e0%a5%8b%e0%a4%b2%e0%a4%bf%e0%a4%95/>
2. IIRS-ISRO outreach programme — <https://www.iirs.gov.in>
3. Esri India - GIS resources — <https://www.esri.in>
4. National Career Service (NCS) portal — <https://www.ncs.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.

career.gsssjethantri.in