



SAARTHI • सारथी

करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

वैज्ञानिक सहायक

Scientific assistants provide hands-on support to teams of scientists in research institutes and departments. They handle technical tasks such as running instruments, recording observations, collecting data and helping with...



Scan for everything on this career

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

career.gsssjethantri.in/#/career/scientific-assistant

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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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

Scientific assistants provide hands-on support to teams of scientists in research institutes and departments. They handle technical tasks such as running instruments, recording observations, collecting data and helping with experiments, for example at the India Meteorological Department.

2 At a glance

Minimum qualification	B.Sc/Diploma (Physics/Electronics/Computer)
Selection exam	SSC Scientific Assistant (IMD)
Work mode	Lab/office, shifts possible
Starting salary	₹44,900–55,000/month

3 What you need

INTERESTS

- Interest in science and technology
- Comfortable working to clear instructions
- Enjoy analysing problems and situations

ABILITIES

- Close attention to detail
- Discipline and accuracy
- Aptitude for handling technical equipment

KEY SKILLS

- Operating laboratory instruments
- Basic understanding of electronics
- Weather / technical observation
- Data collection and recording
- Computer and software use
- Teamwork and coordination

4 How to get there

- 1 Complete 10+2 in Science (Physics, Chemistry, Maths).
- 2 Do a B.Sc in Physics / Computer Science / IT.
- 3 Or complete a diploma in Electronics and Telecommunication.
- 4 Clear the SSC Scientific Assistant (IMD) examination.
- 5 An M.Sc in a related subject widens opportunities.

MAIN EXAMS

- SSC Scientific Assistant (IMD)
- ISRO/DRDO technical recruitment exams
- GATE (Physics/Electronics)

5 Where to study

GOVERNMENT INSTITUTES

- University of Rajasthan — Jaipur, Rajasthan (<https://www.uniraj.ac.in>)
- Mohanlal Sukhadia University — Udaipur, Rajasthan (<https://www.mlsu.ac.in>)
- Central University of Rajasthan — Ajmer, Rajasthan (<https://www.curaj.ac.in>)
- Hindu College, University of Delhi — New Delhi (<https://www.hinducollege.ac.in>)
- Madras Christian College — Chennai

PRIVATE INSTITUTES

- SRM Institute of Science and Technology — Tamil Nadu
- Parul University — Vadodara
- Christ University — Bengaluru

ONLINE

- SWAYAM / NPTEL (Meteorology) — Online (<https://swayam.gov.in>)
- IGNOU (Distance) — Online (<https://www.ignou.ac.in>)
- Udemy (Weather & Electronics) — Online (<https://www.udemy.com>)

FEES

Course fees range roughly from ₹20,000 to ₹3,05,000, and are much lower in government colleges. (Figures are indicative.)

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Buddy4Study (<https://www.buddy4study.com>)
- Rajasthan SJE Scholarships (<https://sje.rajasthan.gov.in>)
- Vidya Lakshmi Education Loans (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

India Meteorological Department, ISRO, DRDO, research laboratories, universities and industrial labs.

WORK CULTURE

Mostly desk and laboratory work. Usually 5-6 days a week, 7-8 hours a day. Places like the weather department may run shift systems.

WHO HIRES

- | | |
|--|---|
| • India Meteorological Department (IMD) | • Indian Space Research Organisation (ISRO) |
| • Defence Research and Development Organisation (DRDO) | • CSIR laboratories |
| • Universities and research institutes | • Private technical and industrial labs |

DEMAND (2026)

There is steady government demand for technical assistants in weather forecasting, space and defence. Regular SSC recruitment keeps opportunities open.

7 Career growth

- 1 Scientific Assistant
- 2 Senior Scientific Assistant
- 3 Scientific Officer
- 4 Senior Scientific Officer

EARNINGS

Starting	₹44,900–55,000/माह
Mid level	₹70,000–95,000/माह
Senior level	₹1,20,000+/माह

At IMD, pay starts around 7th Pay Commission Level-6 and rises with promotion. Figures are indicative.

8 The good parts · The challenges

The good parts

- Stable government job after graduation/diploma
- Work with advanced scientific equipment
- A promotion path towards becoming a Scientific Officer

The challenges

- Shift work and occasional overtime
- Highly competitive recruitment exams
- Work is instruction-driven with less independence

9 Real-life journeys

Tessy Thomas

Scientist, DRDO; 'Missile Woman of India'

From a modest family, Tessy Thomas studied electronics and rose to become a DRDO scientist and Project Director of the Agni-5 missile. She is the first Indian woman to head a major missile project.

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

K. Sivan

Former Chairman, ISRO; 'Rocket Man of India'

The son of a mango farmer, K. Sivan studied in Tamil-medium government schools and became the first graduate in his family. Through sheer hard work he studied aeronautical engineering, joined ISRO in 1982, and contributed to missions from the PSLV programme to the Chandrayaan-2 lunar mission, eventually becoming Chairman of ISRO. His journey is an example of rising from a humble background to the very top.

Wikipedia · https://en.wikipedia.org/wiki/K._Sivan

10 Sources & further reading

1. Rajasthan Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/>
2. India Meteorological Department — <https://mausam.imd.gov.in>
3. Staff Selection Commission (SSC) — <https://ssc.gov.in>
4. National Scholarship Portal — <https://scholarships.gov.in>



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