



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

वर्टिकल फार्मिंग विशेषज्ञ

A vertical farming specialist grows crops in stacked layers using little land and water. With hydroponics and aeroponics they make fresh vegetables and fruit possible even in dry regions like Rajasthan.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/vertical-farming-specialist

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 vertical farming specialist grows crops in stacked layers using little land and water. With hydroponics and aeroponics they make fresh vegetables and fruit possible even in dry regions like Rajasthan.

2 At a glance

Minimum qualification	Class 12 + modern-farming experience
Core tech	Hydroponics/Aeroponics
Route	Skill training / self-practice
Starting salary	₹25,000–40,000/month

3 What you need

INTERESTS

- Interest in modern tech and innovation
- Interest in plants and farming
- Organising and planning

ABILITIES

- Working with equipment and software
- Sense of shape and space
- Understanding relationships between things

KEY SKILLS

- Operating hydroponics and aeroponics
- Nutrient solution and pH management
- Climate-controlled indoor farming
- Sensors and automation
- Crop selection and planning
- Pest-free production
- Marketing and supply chain

4 How to get there

- 1 Pass Class 12 (preferably Science)
- 2 Get training in hydroponics/vertical farming
- 3 Do a university course or internship in agri/horticulture
- 4 Gain hands-on experience with a small setup
- 5 Take a farm job or start your own venture

MAIN EXAMS

- ICAR AIEEA (Agri/Horticulture UG-PG)
- Rajasthan Joint Agriculture Entrance

5 Where to study

GOVERNMENT INSTITUTES

- MPUAT — Udaipur (<https://www.mpuat.ac.in/>)
- SKN Agriculture University — Jobner, Jaipur (<https://www.sknu.ac.in/>)
- CAZRI — Jodhpur
- IHITC — Jaipur
- Agriculture University Kota — Kota

PRIVATE INSTITUTES

- Vidya Bhawan Society — Udaipur
- Banasthali Vidyapith (women) — Newai, Tonk
- Suresh Gyan Vihar University — Jaipur

ONLINE

- ICAR e-Krishi Shiksha / eCourses — Online
- SWAYAM — Online
- IGNOU — Online/Distance

FEES

Most government programmes are free; special training costs roughly ₹5,000 to ₹10,000 per year. Hydroponics setup costs are separate.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- Rajasthan SJE Scholarship Portal (<https://sje.rajasthan.gov.in/>)
- Buddy4Study (<https://www.buddy4study.com>)

6 What the work is like

WHERE YOU WORK

Indoor growth chambers, greenhouses, container/pod farms and urban rooftop farms.

WORK CULTURE

Both field and technical work; 6 days, 8-9 hours; overtime possible; strong scope for self-employment.

WHO HIRES

- | | |
|--|---|
| • Hydroponics & vertical-farm startups | • Protected-cultivation and nursery firms |
| • Hotel, retail and export suppliers | • Agritech companies |
| • Agri universities and research centres | • Self-employment (urban/rooftop farms) |

DEMAND (2026)

Water scarcity, urbanisation and demand for exotic vegetables are driving fast growth in vertical and hydroponic farming in India; it is especially useful for Rajasthan's dry areas.

7 Career growth

- 1 Hydroponic Technician
- 2 Farm Manager
- 3 Horticulturist/Agri Scientist
- 4 Supply-chain/Venture Manager

EARNINGS

Starting	₹25,000–40,000/माह
Mid level	₹45,000–70,000/माह
Senior level	₹1,00,000+/माह

Salaries about ₹3-6 lakh per year; successful hydroponic entrepreneurs can earn up to ₹10-15 lakh per acre per year.

8 The good parts · The challenges

The good parts

- High yield with little land and water
- Year-round, pesticide-free produce
- Strong startup/entrepreneurship scope

The challenges

- High initial setup cost
- Needs technical know-how and constant monitoring
- Dependence on power and equipment

9 Real-life journeys

Sona Misra

Hydroponic entrepreneur (NutriLeafz), Mathura

Biotechnologist Sona Misra turned saline, barren land in Mathura into a thriving hydroponic farm. Growing lettuce, coloured bell peppers and exotic vegetables, she earns about ₹15 lakh per acre a year.

30Stades · <https://30stades.com/farming/woman-biotechnologist-turns-saline-barren-land-into-hydroponic-farm-earns-rs-15-lakh-per-acre-11179082>

Mohit Nijhawan

Microgreens/hydroponic entrepreneur (Greenu)

Leaving a corporate job, Mohit Nijhawan started hydroponic microgreens with just ₹30,000 and a rented 100 sq ft space. Now growing over 75 varieties, he does business of about ₹12 lakh a month.

The Better India · <https://thebetterindia.com/farming/step-by-step-hydroponic-farming-tips-from-successful-entrepreneur-growing-microgreens-11027936>

10 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/>
2. Protected cultivation subsidy scheme — <https://www.myscheme.gov.in/schemes/gh>



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