



# SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

## डेयरी टेक्नोलॉजिस्ट

Dairy technologists handle the processing, quality and technology of turning milk into curd, paneer, ghee and ice cream. In India, the world's largest milk producer, it is a solid 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-4611](https://career.gsssjethantri.in/#/career/eng-4611)

### 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

Dairy technologists handle the processing, quality and technology of turning milk into curd, paneer, ghee and ice cream. In India, the world's largest milk producer, it is a solid career.

## 2 At a glance

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Minimum qualification | 12th PCM/PCB + B.Tech (Dairy Technology)        |
| Work mode             | Plant, lab and office; shifts possible          |
| Demand                | Steady - from dairy and food processing growth  |
| Top earning           | General manager/unit head: Rs 1-1.5 lakh+/month |

## 3 What you need

### INTERESTS

- Interest in experiments and food science
- Connection with the rural-agriculture sector
- Focus on quality and detail

### ABILITIES

- Analytical thinking
- Process discipline
- Working in a team

### KEY SKILLS

- Milk processing technology (pasteurisation etc.)
- Dairy microbiology and chemistry
- Packaging and cold chain management
- Quality testing and food safety (FSSAI norms)
- Operating plant machinery
- New product development

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## 4 How to get there

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- 1 Pass 10+2 with Physics, Chemistry, Maths/Biology.
- 2 Enter B.Tech (Dairy Technology) via Rajasthan JET/ICAR exam.
- 3 Do in-plant training at a dairy plant (Saras, Amul).
- 4 Optionally specialise with M.Tech from NDRI.
- 5 Get jobs in dairy cooperatives, private firms or bodies like FSSAI.

### MAIN EXAMS

- Rajasthan JET (Agriculture)
- ICAR AIEEA (UG)
- NDRI/ICAR PG entrance exam

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## 5 Where to study

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### GOVERNMENT INSTITUTES

- College of Dairy & Food Science Technology (MPUAT) — Udaipur, Rajasthan
- ICAR-National Dairy Research Institute (NDRI) — Karnal, Haryana (<https://ndri.res.in>)
- RAJUVAS (Dairy/Animal Science) — Bikaner, Rajasthan
- Anand Agricultural University — Anand, Gujarat
- SMC College of Dairy Science (Kamdhenu University) — Anand, Gujarat

### PRIVATE INSTITUTES

- NIMS University — Jaipur, Rajasthan
- Mansinhbhai Institute of Dairy & Food Technology — Mehsana, Gujarat
- Parul University (Diploma) — Vadodara, Gujarat

### ONLINE

- NPTEL/SWAYAM (Food & Dairy Technology courses) — Online (<https://nptel.ac.in>)

### FEES

Full course about Rs 40,000-1.5 lakh in government colleges; Rs 2-6 lakh in private. Varies by institute.

**SCHOLARSHIPS**

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

**6 What the work is like**

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**WHERE YOU WORK**

Dairy plants, milk cooperatives (Saras, Amul), food processing companies, quality control labs, research institutes and colleges.

**WORK CULTURE**

Around 8 hours daily with a team across office-lab-plant; morning/night shifts possible in plants. Opportunities exist for persons with disabilities.

**WHO HIRES**

- |                                 |                                           |
|---------------------------------|-------------------------------------------|
| • Saras Dairy (RCDF, Rajasthan) | • Amul / Mother Dairy                     |
| • Nestle / Britannia / Hatsun   | • Dairy startups (Country Delight etc.)   |
| • NDDB and FSSAI                | • Dairy equipment and packaging companies |

**DEMAND (2026)**

In 2026 demand is steadily growing with value-added products (cheese, probiotics, A2 milk) and food processing investment; Rajasthan is among India's top milk-producing states.

**7 Career growth**

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- 1 Dairy technologist / trainee
- 2 Shift officer
- 3 Plant/quality manager
- 4 General manager
- 5 Head of dairy unit

## EARNINGS

|              |                  |
|--------------|------------------|
| Starting     | ₹18,000-30,000   |
| Mid level    | ₹40,000-70,000   |
| Senior level | ₹90,000-1,50,000 |

Monthly pay; cooperatives offer allowances and stability, private firms faster growth. 2026 levels, indicative.

## 8 The good parts · The challenges

### The good parts

- Steady demand in the world's largest milk market
- Jobs available near villages and small towns
- A niche branch with less competition

### The challenges

- Morning/night shifts in plants
- Modest starting salary
- Pressure of strict hygiene-quality rules

## 9 Real-life journeys

### Dr. Verghese Kurien

**Father of the White Revolution; builder of Amul and NDDB**

Sent to the US on a government dairy engineering scholarship, Kurien returned to build Amul with the farmers of Anand. His Operation Flood made India the world's largest milk producer; his birthday is National Milk Day.

Wikipedia · [https://en.wikipedia.org/wiki/Verghese\\_Kurien](https://en.wikipedia.org/wiki/Verghese_Kurien)

### Dr. Amrita Patel

**Former Chairman, National Dairy Development Board (NDDB); Padma Bhushan**

A veterinary science graduate who joined Amul in 1965, Amrita Patel chaired NDDB from 1998 to 2014, leading the world's biggest dairy development programme and bringing lakhs of women milk producers into the cooperative movement.

Wikipedia · [https://en.wikipedia.org/wiki/Amrita\\_Patel](https://en.wikipedia.org/wiki/Amrita_Patel)

## 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: Dairy Technologist — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%a1%e0%a5%87%e0%a4%af%e0%a4%b0%e0%a5%80-%e0%a4%9f%e0%a5%87%e0%a4%95%e0%a5%8d%e0%a4%a8%e0%a5%8b%e0%a4%b2%e0%a5%89%e0%a4%9c%e0%a4%bf%e0%a4%b8%e0%a5%8d%e0%a4%9f-dairy-technologist/>
2. ICAR-National Dairy Research Institute — <https://ndri.res.in>
3. NPTEL (free online courses) — <https://nptel.ac.in>
4. National Career Service (NCS) — <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](https://career.gsssjethantri.in)