



LEARNING CENTRE

IN CONTROLLED ENVIRONMENT AGRICULTURE (CEA)

Contact:
99605 48005

Location: Opp. Pratit Baalaji Temple, A/p. Devadi,
Kapurhol-Narayanpur Rd, Devadi, Pune - 412205

About Us

Nutrifresh stands at the forefront of India's Controlled Environment Agriculture space, pioneering a new era of agricultural innovation. We are dedicated to addressing three key challenges through our commitment to sustainable practices: enhancing food security, adapting to the unpredictability of seasonal changes, and adapting to the effects of climate change.

50+

**Acres
Operational Land**

50+

**In-House
Agronomist**

2600+

**Tons of Annual crop
production**

40+

**Different
SKUs**

5+

**Farm
Locations**

10+

**Years of
farming experience**



Vision

- We aspire to be a global leader in creating a resilient agricultural ecosystem. Our focus on climate resilience, sustainability, and environmental responsibility drives us to leverage advanced technology for agile solutions.
- We aim to create a thriving future for agriculture that benefits both people and the planet by fostering community development.



Mission

- At Nutrifresh, our mission is to expand our operations to 300 acres by leveraging an indigenized technology stack and optimizing our processes for maximum efficiency. We are dedicated to empowering 20,000+ farmers through our Cluster Development Program, providing them with the tools and resources necessary to flourish.
- By developing in-house technology and fostering skill development, we aim to create sustainable agricultural practices that enhance productivity and improve livelihoods. In collaboration with the Government of India, we hope to create numerous clusters around urban areas to continually provide fresh produce, maintain maximum nutritive value, decrease the need for cold chain and improve efficiency. By fostering a culture of collaboration and continuous improvement, we strive to create lasting value for our stakeholders and contribute positively to the communities we serve.

Hands on program for aspirational CEA Learner

This comprehensive residency program is designed for business professionals aspiring to set up their own farms or for college students eager to explore the field of Controlled Environment Agriculture (CEA) and grasp its intricate nuances. Nutrifresh, one of India's leading CEA companies, renowned for its operational excellence and streamlined processes, is proud to share its expertise with those looking to embark on a journey in CEA. Through this unique program, participants will gain hands-on experience by leveraging our advanced operational setup, enabling them to understand every detailed aspect of the industry in-person. Unlike conventional books, classrooms, or online courses, this one-of-a-kind program offers learners an unparalleled opportunity to immerse themselves in day-to-day operations and absorb insights that can only be acquired through real-world exposure.

“Our mission is clear: To offer immersive, hands-on experience through this course, equipping learners with practical knowledge and skills to excel in meaningful and successful careers in the CEA industry”

Sanket Mehta

Co-Founder and CEO, Nutrifresh



Why CEA?

Controlled Environment Agriculture (CEA) is a farming technique that uses technology to optimize crop growth, enabling year-round production of high-quality, nutrient-rich produce. Methods like hydroponics, aeroponics, and vertical farming improve efficiency, conserve water and energy, and reduce waste. CEA tackles challenges like land scarcity, climate change, and food security by producing more with fewer resources and minimal chemical use. As a sustainable solution, CEA represents the future of agriculture, addressing global food needs while managing environmental and resource constraints responsibly.



**Barren Land Usage
Increased**



**Water
Conservation**



**Higher Crop
Yields**



**Residue-Free
Produce**

Who is it for?

The Learning Center is for aspiring professionals, entrepreneurs, students, and business leaders passionate about Controlled Environment Agriculture (CEA). It provides hands-on experience at Nurtifresh's 53 acres farm, guided by experts in farm operations, unit economics, and scaling strategies. This program equips participants with the knowledge and skills to excel in the CEA industry.



Students



**Aspiring
Entrepreneurs**



**Business
Professionals**



Program Highlights

For The Industry, By The Industry

Learn from real farm case studies and industry experts providing tailored mentorship, sharing insights from building and managing large-scale hydroponic farms while resolving your queries.



Exposure Across Stakeholders

We connect you with key players in the Nutrifresh supply chain, from suppliers to buyers, providing valuable insights into every component of the process for a comprehensive understanding.

Blended Learning

Combine classroom-based theory with hands-on experience, guided by farm heads, as you actively engage in day-to-day operations, gaining practical knowledge alongside academic learning.



State-Of-The-Art Infrastructure

This program is unique, featuring one of the largest hydroponic farms in the country, where every aspect of hydroponics is taught. It includes a specialized COE between Ministry of Agriculture & Farmers Welfare, Horticulture Dept, Indian Govt & The Dutch Government

Career Opportunities & Support

Upon completing the Learning Center program, you'll have the opportunity to explore employment at Nutrifresh or start your own farm, with guidance from Nutrifresh's experts and the comprehensive CDP program ensuring your success.



Course Structure

Learn directly from industry experts with over 100+ years of combined experience, bringing unparalleled insights and real-world expertise to your training.

- **Live Sessions**
- **Learning Modules with Lifetime Access**
- **Hands-On Practical Experience**
- **State-of-the-Art Infrastructure**
- **Best Practices in Farm Operations**
- **Business Insights and Profitability**
- **Data-Driven Agricultural Practices**
- **Industry-Led Demonstrations**
- **Networking and Industry Connections**
- **Scalable Outcomes**



Program Runway

1



Land Selection

The foundation of any successful CEA project is selecting the right land. Various factors must be considered for optimal site selection.

- Location and Soil
- Water Availability
- Accessibility and Infrastructure
- Climatic and Weather
- Legal and Environmental Clearance
- Rent or Buy the Property
- Risk Assessment

2



Introduction to Protected Cultivation

Protected Cultivation (PC) refers to farming practices conducted in controlled environments to enhance productivity and sustainability.

- What is PC?
- History
- Environmental Benefits
- Global Trends
- Commercial Farming in India

3



Types of Greenhouse Structures

Explore various greenhouse structures designed to cater to specific climatic conditions and crop requirements.

- NVPH (Naturally Ventilated Poly House)
- CCPH (Climate Controlled Poly House)
- Shade Net House
- Aphid Proof/Insect Net House
- Glass House
- Retractable Roof
- Walk-in Tunnel
- Plastic Tunnel

4



Crop Selection

Choosing the right crops is critical for commercial success in CEA farming.

- Farm Conditions
- Marketability and Profitability
- Crop-Specific Technology
- Farming System
- Availability and Cost of Planting Material
- Availability and Cost of Labor

5



Agronomy (Part-1)

Agronomy encompasses the science and practice of crop production in CEA.

- Soil and Soilless Cultivation
- Plant Physiology and Morphology
- Nursery Management
- Transplanting
- Greenhouse Management
- Irrigation and Fertigation Management
- Plant Nutrition Management

6



Agronomy (Part-2)

Agronomy encompasses the science and practice of crop production in CEA.

- Scouting (AI Devices)
- Spray Schedule
- Cultural Practices
- Data Collection
- Day-Wise Scheduling
- Harvest Management
- Crop Rotation (ACP)

7



Integrated Pest Management (IPM)

A sustainable approach to pest management combining multiple strategies.

- What is IPM?
- Types of Pests and Diseases
- Set Action Thresholds
- Monitor and Identify Pests
- Prevention
- Control Methods

8



Warehouse, Post-Harvest, & Logistics

Efficient post-harvest and supply chain management to maintain quality and reduce waste.

- Inwarding and Inventory Management
- QM and Packaging
- Logistics and Supply Chain
- Waste Management
- Labor Management
- Reports and Documentation

9



Technology & Automation

Leveraging technology to enhance productivity and efficiency in CEA.

- Climate Automation
- Irrigation Automation
- Fertigation Automation
- Data and Dashboards
- Seeding and Machinery

10



Cost Economics

Understand the financial dynamics of running a CEA operation.

- CAPEX and OPEX
- Soil and Soilless Systems

11



Bank Loans & Subsidy

Learn how to prepare a Detailed Project Report (DPR) to secure funding and navigate the loan approval process & Discover various subsidy programs available for CEA such as-

NHB, AIF, PKSY, NADS, KUY, NHM, AMIF, PM-Kusum, PMSY-Micro Irrigation Fund, and RKVY.

12



Regulatory

Understand and comply with key certifications and guidelines.

- APEDA
- Global GAP

Meet the Experts

Our team comprises seasoned professionals with extensive expertise in Controlled Environment Agriculture (CEA) and related fields. With decades of combined experience across financial planning, business economics, supply chain management, engineering, and farm operations, we bring a holistic approach to CEA. Our experts have successfully managed and established large-scale farms, implemented cutting-edge technologies, optimized operations, and driven market linkages for sustainable growth. Dedicated to excellence, we specialize in creating innovative solutions to advance the agriculture industry and ensure the success of modern farming ventures.



Ashok Kumar
CEA Expert



Ganesh Nikam
Co-Founder | CFO



Mrunmayi Dharu
ESG Coordinator



Prajakta Bhosale
Operations



Prashanth D.
Sales & Procurement



Ranjeet Karpe
COO - Post Harvest



Sanket Mehta
Co-Founder | CEO



Sunilkumar Nair
Operations



Vaibhav Deshpande
Operations



Vishal Parse
SCM and Warehouse



Yogesh Memane
COO - Pre Harvest

Gain valuable insights and real-world perspectives through guest lectures by experienced bankers, consultants, and esteemed professors from renowned organizations.



Nutrifresh Learning Centre –

What's Next After Completing Your Course?

Completing your Learning Centre course is just the beginning of your journey in modern farming. We're committed to supporting you beyond the classroom, helping you put your skills into action and explore multiple opportunities. Here's what comes next:

1. Extended Support for Farm Set-Up

We provide continuous guidance to help you transition from learning to doing. This includes:

- Resource library with step-by-step manuals and crop-specific growing guides.
- Expert contacts for soil testing, irrigation solutions, greenhouse suppliers, and farm equipment vendors.
- Best practice recommendations tailored to your region and climate.

This extended support ensures you have reliable advice at every stage of your farm's growth.

2. End-to-End Farm Set-Up via Consultancy

Our consultancy service offers a complete farm development package, including:

- Feasibility studies and crop planning.
- Greenhouse or open-field infrastructure design.
- Irrigation and fertigation system installation.
- Training for your farm staff.

With our experts managing the process from start to finish, you can focus on learning and business strategy while we handle the technical execution.

3. Contract Farming

Join our contract farming program to produce crops that Nutrifresh buys directly from you. Benefits include:

- Guaranteed offtake and assured pricing.
- Supply of seeds, inputs, and technical know-how.
- Ongoing agronomy support to maintain quality standards.

This model reduces your market risk and ensures steady income.

4. Sales & Marketing Support

We help you connect your produce to the right markets through:

- Branding and packaging guidance.
- Access to our wholesale and retail network.
- Participation in Nutrifresh-organized farmer's markets and events.

With our support, your produce stands out in a competitive market and reaches more buyers.

5. Internship Opportunities

Work alongside our team of expert agronomists, farm managers, and supply chain specialists. Internships offer:

- Hands-on exposure to commercial farming operations.
- Learning opportunities in technology-based agriculture.
- Real-world experience to enhance your career prospects.

6. Work With Us

Join the Nutrifresh family as a full-time team member in roles such as farm operations, research, marketing, and supply chain. This is your chance to:

- Apply your skills in a professional agricultural setting.
- Grow your career in a high-potential industry.
- Contribute to our mission of delivering fresh, sustainable produce to consumers.

Program Details

Course Start

Please Refer to the Google form for program start dates

Duration

7 Days

Program Hours

100+ learning hours & live sessions

How to enroll for the program?



Corporate Office

4th Floor, Rama Platina,
Above KFC, Opp. P. L. Deshpande
Garden, Sinhagad Road,
Parvati, Pune - 411030

Marketing Office

A-1107, O2 Commercial Premises
Co-Op Society Limited, Minerva
Industrial Estate, Opp. Asha Nagar,
Mulund (W), Mumbai - 400080



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