



ASCI
Agriculture Skill Council of India



Skill Development Training on

"PROTECTED CULTIVATION"

27th August to 20th September, 2018



In Association with

**Directorate of Arecanut and Spices Development
Ministry of Agriculture & Farmers Welfare
(Department of Agriculture, Co-operation & Farmers Welfare)
Government of India**

VENUE

ASPEE College of Horticulture and Forestry

Chief Patron

DR. C. J. DANGARIA

Vice-Chancellor, Navsari Agricultural University, Navsari

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Nodal officer (Mega seed) and Unit Head
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Navsari Agricultural University
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Training Director

Dr. Alka Singh

Head & Associate Professor
Department of Floriculture and Landscape Architecture
ACHF, NAU, Navsari

Training Coordinator

Dr. Sanjeev Kumar

Assistant Professor
Department of Vegetable Science
ACHF, NAU, Navsari

**ASPEE COLLEGE OF HORTICULTURE AND FORESTRY
NAVASARI AGRICULTURAL UNIVERSITY
NAVSARI 396450, GUJARAT**

BACKGROUND INFORMATION

The concept of modern horticultural technologies has widened the horizon of horticulture industry in India. Protected cultivation is one of the new age technologies showing constant growth and rapid expansion in India and worldwide. There has been a great interest in reconciling maximum yields with optimization of resource use efficiency through careful monitoring of environmental parameters and the improvement of cultivation techniques. The crops grown in open conditions are often exposed to varying levels of temperature, humidity, wind flow etc., which ultimately influence the productivity as well as quality of a crop extensively. Protected cultivation possess numerous prospects to manage such climatic variability efficiently and simultaneously fulfills the requirements of vegetable growers in terms of manifold increase in yield as well as quality of the produce. In view of the globalization of international market and tremendous boost and fillip is being observed for export of agricultural produce, so there has been a spurt in the demand for protected cultivation in lieu of quality produce. The phase-wise implementation of protected cultivation in India through financial assistance and mass awareness created about the technology has given a stimulus for better acceptance and adoption of this technology.

Protected farming is economically more rewarding in production of high value, low volume crops, seeds and planting materials, flowers, off-season vegetables. With appropriate structures and plant environment control measures, the constraints of environment prevalent in the region can be overcome allowing almost year-round cultivation, increased productivity by 25-100% and in certain cases even more, as well as conservation of irrigation water by 25-50%. Protected cultivation offers itself as alternate farming method with much higher carrying capacity. Thus, looking into potential of protected cultivation for employment generation, a skill development training program on "Protected Cultivation" will be organized to impart and upgrade skills of farmers, youth on following standards.

:MAJOR ELEMENTS:

- ❖ **AGR/N704: Pre Cultivation Operations in Greenhouse.**
- ❖ **AGR/N705 Cultivation Operations in Greenhouse for Flowers and Vegetables.**
- ❖ **AGR/N706 Harvest and Post Harvest Management in Greenhouse Crops**
- ❖ **AGR/N9903 Maintenance of Health and Safety at Workplace.**

Components:

- Scope, Issues and SWOT analysis of protected cultivation in Gujarat State.
- Greenhouse structures and climate control mechanism.
- Media and Water Management in Greenhouse.
- Status of protected cultivation in Gujarat & Assistance schemes.
- Selection Criteria for Greenhouse Crops.
- Basics of planting under protected culture.
- Plug Tray Nursery raising.
- Nutrient Management for Greenhouse Crops.
- Protected Cultivation of Rose, Gerbera, Orchids, Anthurium, Heliconia, pot plants.
- Protected cultivation of Cucumber, bell pepper, tomato, musk melon, water melon, leafy vegetables.
- Integrated disease and pest management in greenhouse flower and vegetable crops.
- Vegetables grafting: An emerging technology to mitigate soil-borne pathogens.
- Good Agricultural Practices for protected cultivation.
- Post harvest management of greenhouse flower and vegetable produce.
- Market Structure for Greenhouse Crops.
- Economic analysis of greenhouse flower and vegetable crops.
- Project Formulation for protected cultivation.
- Maintenance of health and safety under Protected Environment.

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CALL FOR PARTICIPATION

Interested candidates may submit their application form in prescribed proforma and send nomination form in the prescribed format to Dr. Sanjeev Kumar, Training Coordinator, Assistant Professor, Department of Vegetable Science, ASPEE College of Horticulture & Forestry, Navsari Agricultural University, Navsari by 15th August, 2018.

NUMBER OF PARTICIPANTS: 25

ELIGIBILITY: Minimum qualification Std. 5th Pass

INTIMATION:

The selected candidates would be informed by telephone and email by 21st August, 2018.

BOARDING AND LODGING:

Boarding and lodging will be provided at the University.

ADDRESS FOR CORRESPONDENCE

Dr. ALKA SINGH

Training Director, Skill Development Training

Head & Associate Professor

Department of Floriculture and Landscape Architecture

ASPEE College of Horticulture & Forestry, Navsari Agricultural University, Navsari

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Dr. SANJEEV KUMAR

Training Coordinator

Skill Development Training

Assistant Professor

Department of Vegetable Science

ACHF, NAU, Navsari

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**APPLICATION FORM FOR PARTICIPATION
IN
SKILL DEVELOPMENT TRAINING ON "PROTECTED CULTIVATION"**

1.	Full Name (in block letters)	:	_____
2.	Fathers Name		_____
3.	Mothers Name		_____
4.	Occupation	:	_____
5.	Telephone	:	_____
6.	E mail	:	_____
7.	Caste Category	:	_____
8.	Correspondence Address	:	_____ _____
9.	Permanent address	:	_____ _____
10.	Date of birth	:	_____
11.	Sex: Male/Female	:	_____
12.	Marital status: Married/Unmarried:	:	_____
13.	Qualification and year of passing	:	_____ _____ _____
14.	Experience if any		

Signature of the applicant

Date:

Place:

Enclosures required: Photo copy of Aadhar card, Bank account details and qualification certificate.