



## Contents

- IHT LAUNCHES JOB ORIENTED DIPLOMA AND CERTIFICATE PROGRAMMES
- CAPACITY BUILDING TRAINING PROGRAMMES
- EXPOSURE VISIT FOR ODISHA, CHHATTISGARH AND BIHAR FARMERS

## IHT LAUNCHES JOB ORIENTED DIPLOMA AND CERTIFICATE PROGRAMMES

Institute of Horticulture Technology has launched new Diploma and Certificate programmes in various disciplines of horticulture that will open new opportunities for employment of youth in public and private sector besides helping them in establishing their own enterprises. The new programme being started are as under-

### DIPLOMA PROGRAMMES (FULL TIME)

- Two Years Diplomas in various fields of Horticulture
- One Year Post Graduate Diplomas in various fields of Horticulture
- Two Year Diploma in Landscape Horticulture and Design

### DIPLOMA AND CERTIFICATE PROGRAMMES (THROUGH OPEN DISTANCE LEARNING)

- One Year Post Graduate Diplomas in various field of Horticulture
- Two Year Post Graduate Diploma in Landscape Horticulture and Design
- Two Year Diploma in Agri-Horti Inputs
- Six Months Certificates in various field of Horticulture

These new study programmes are being undertaken in collaboration and certification with Dr. Rajendra Prasad Agricultural University, Pusa, Bihar and Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, respectively.



## CAPACITY BUILDING TRAINING PROGRAMMES

### 1. Main Campus- Greater Noida

#### 1.1 Hi-tech Horticultural Crop Production Technologies

Institute of Horticulture Technology organized 5 days training programme for the farmers in various districts of Gujarat and Madhya Pradesh on “Hi-Tech Horticultural Crop Production Technologies”. During training farmers were explained standard operating procedures to be adopted during Nursery Production, so that healthy and disease free seedlings can be achieved. Greenhouse Development and its proper utilization attracted the participant most as this helps them to trouble shoot the problems in Greenhouse Management and enhance the efficiency of their vegetable production system. Participants were taken to National Centre of Organic Farming in Ghaziabad, UP. It was good exposure for the farmers as they could gather experience about organic inputs and manage input of organic production system.



Few Glimpse of Gujarat and Madhya Pradesh Farmers Training Program

#### 1.2 Hydroponics Internship

Institute successfully organized one month Internship programs on “Hydroponics” for entrepreneurs from Haryana and Hyderabad. The participants were explained about water quality analysis, plant nutrition management, greenhouse technology- climate control, production technologies for various crops, training and pruning, physiological disorders of hydroponics crops (due to climatic factors and nutrients imbalance), greenhouse pest management and marketing practices of hydroponic crops. Various assignments were also provided to trainees for better understandings. This training is a step towards the upcoming startups being set up by the prospective bio entrepreneurs.

### 1.3 Production Technology of Cut Flower and Vegetables in Greenhouse

Training programs for entrepreneurs' on "Production Technology of Cut Flower in Greenhouse" and "Production technology of Greenhouse- Vegetable" were also conducted in this month. With globalization of markets, shrinking land and climate change, the protected cultivation of high value crops has emerged as the single most important technology for ensuring high productivity, improved quality and profitable returns. The trainees were explained about the significance of following standard operating procedures to be adopted during nursery production. Interactive lectures were provided on the protected cultivation of capsicum, cucumber, tomato, rose, gerbera, carnation, liliun, tuberose, gladiolus, chrysanthemum and anthurium and hands on trainings sessions were conducted in the technology park of the Institute.

Participants were provided hands on trainings in the protected cultivation for vegetables. The major components of the course were soil health management, soil sterilization, solarization, nursery production, soil and soilless bed preparation, amendments, pH, EC correction, mulching, nutrient management, integrated pest management, post-harvest handling, storage in zero energy chambers. The trainees found the program a practical based and helpful in understanding the operations of a protected cut-flower and vegetable production for developing their entrepreneurial skills.

### 1.4 Home Gardening

Training program for entrepreneurs/students on "Home Gardening" was conducted in January. A gardener is responsible for maintaining lawns, trees, shrubs, ground covers; he needs to be aware of the soil and nutrition requirements of plants, pests and diseases and their control and drainage. Gardeners also need to acquire skills in grafting, pruning, weeding and harvesting of flowers, fruits and vegetables. The major training sessions were Planting Material, Nursery Production, Plant Propagation, Types of Gardens, Kitchen /Terrace/Vertical Gardening, planning and Designing of Greenhouse Technology related to Landscape Horticulture, Soil health management, Bed preparation, Moisture conservation, Soil solarization, Bonsai making, Irrigation and Fertigation, Disease, Pest and Nutrient Management, Training and Pruning in Garden Plants, Establishment and Maintenance of Lawn and Turf, Culture of Floral Display, Maintenance of Garden and Container Gardening. The trainees found the program very useful being practical oriented with hand on experience.



Hands on Training in Gardening Practices

## EXPOSURE VISIT FOR ORRISA, CHHATTISGARH AND BIHAR FARMERS

Institute organized an exposure visits cum training for the farmers of Odisha to Raipur, Chhattisgarh, during the visit they have showed Indira Gandhi Krishi Vishwavidyalaya Chhattisgarh, Center for Excellence for Horticulture, Precision Farming Development Centre, Fully Automated Hi-Tech Nursery Production Facility in Bana Raipur, Tissue Culture Lab. and Agricultural Museum Chhattisgarh. The exposure visit was organized to provide an opportunity to the farmers to interact with eminent horticulture scientists and progressive farmers and farms of Raipur to see various new technologies, practices carried in protected cultivation of vegetables and other horticultural crops. The farmers opined that the visit was very useful and they were learned about various advanced technologies for solving the problems related to crop production.

Similarly, an outside state exposure visit programs was conducted by IHT for the farmers from different districts of Jharkhand and Bihar to Nashik, Maharashtra. The exposure visit was undertaken to provide an opportunity to the farmers to interact with eminent horticulture scientists and progressive farmers to see various new technologies, practices carried in cultivation of vegetables and other horticultural crops. The farmers along with IHT expert visited to NHRDF Nashik with the purpose of getting more knowledge about onion and garlic cultivation. They also visited Sahyadri farms for practically seeing the technology being used for cultivation of grape and rose under polyhouse, cultivation of marigold and other crops in the open fields. Farmers also visited to historical places of Nashik, Maharashtra like Panchavati, Tapovan, Shirdi Sai Darbar, Trimbakeshwar Jyotirlinga and Godavari Udgam Sthal.

### Upcoming Trainings in February, 2020

Date	Course Code	Type of Course	Topic	Duration
4 <sup>th</sup> Feb	IHT-102	Supervisor Level3	Production Technology of Greenhouse Vegetable Crops	6 Months
	IHT-508	Exploratory Course	Mushroom Production Technology	5 Days
11 <sup>th</sup> Feb	IHT-302	Standard Course	Production Technology of Cut Flowers in Greenhouse	5 Days
	IHT-301	Startup Course	Plug Nursery Production - Flowers and Ornamentals	3 Days
18 <sup>th</sup> Feb	IHT-504	Special Course	Commercial Hydroponics	3 Days
	IHT-304	Standard Course	Urban Landscaping	5 Days
25 <sup>th</sup> Feb	IHT-508	Exploratory Course	Mushroom Production Technology	5 Days
	IHT-504	Special Course	Commercial Hydroponics	3 Days

Customized courses also offered on demand



**इंस्टीट्यूट ऑफ हॉर्टीकल्चर टेक्नोलॉजी**  
**Institute of Horticulture Technology**  
 Recognised by Ministry of Agriculture & Farmers Welfare, Government of India

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