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## Horticulture Field Functionaries of U.S.A and The Netherland Embassy Training in IHT, Greater Noida

Institute of Horticulture Technology conducted the trainings for the deputed Horticulture Field Functionaries by U.S. Embassy New Delhi for up skilling them in modern gardening practices. The two weeks training programme was conducted in July and August 2023.

The Embassy Garden have its unique ability to glowing and shining in springs and summers, peacefully reflective with lots of colours in autumns, and quiet and free from disturbance in winters, the garden is maintained year-round by expert functionaries, who works daily to care for and nurture this magnificent oasis.

IHT has provided training to some horticulture field functionaries of the embassy during last year in IHT Greater Noida campus. The embassy repeated the order for IHT in 2023 and deputed the horticulture field functionaries of the embassy again to IHT for advanced training programmes during July and August 2023.

The trainees were provided Hands on Trainings by the experts of IHT in the quality nursery production, greenhouse technologies, soilless technology- hydroponic, soil health management, macro and micro irrigation, fertigation technology, moisture conservation, integrated pest management, other aspects of landscaping and gardening.

Now The Netherlands embassy has selected Institute of Horticulture Technology for training of their Horticulture Field Functionaries including gardeners, supervisors and managers.

Importance of the trainings is significant as Horticulture Field Functionaries are very important for any landscape or even



*Training session on fertilizer management through fertigation unit*

gardens. They have to plan and grow flowers, trees, shrubs, seedlings, vegetables, prepares soil and sows seeds, plants, seedlings etc. They have to maintain greenhouse for nursery or crop production and display. Indoor plants are another area for which people have developed great interest especially for air purification besides the ornamental value, but for growing these plants needs proper skills and guidance which is provided by IHT, Greater Noida in different training modules.

The Horticulture Field Functionaries from The Netherlands are to attend the Training programmes in October and November 2023.

## Entrepreneurial Capacity Building Trainings

### Commercial Hydroponics

A growing population, shrinking land base and water resources suggest a reinvention of the agrarian process is more than needed. The demand for exotic greens and gourmet salads is at an all-time high and unfortunately, with our horrible weather conditions, it is impossible to get consistent quality greens and herbs all-year round. With hydroponics we are able to grow exotic greens and herbs all-year round, and with consistent quality always.

Institute successfully organized trainings programs for prospective entrepreneurs on “Commercial Hydroponics” during the month. The trainees were explained the importance of the water quality and its analysis for open & closed loop systems. The trainees went through training sessions with regard to crop varieties, seeds identification, nursery production, plant nutrition management, training-pruning, physiological disorders of hydroponics crops and greenhouse pest management. The trainees interacted with the greenhouse experts for knowing about various components of the greenhouses and climate control in greenhouse.

### Production Technology of Vegetables Production in Greenhouse

Training programs for entrepreneurs’ on “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, and other high value vegetables 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.



*Glimpses of hands on training on nursery production, crops production technology and micro irrigation for protected cultivation*



## Technology Demonstrations

Citrus is one of the most popular fruit crops of the world. It is cultivated in around 140 countries, including many in the Asia-Pacific. During recent years, there has been significant increase in the citrus production mainly on account of its increased use as nutritious and healthy drink. Citrus is infected by more than 15 virus or virus-like diseases, including citrus greening, citrus tristeza, citrus tatter leaf and citrus exocortis that severely affect its production as well as quality.

Control of these diseases has become possible through the use of disease-free nursery seedlings. Institute of Horticulture Technology has made significant progress towards clean plant production in citrus using an integrated approach of STG-based disease-free seedling production for the establishment of mother block the ultimate aim is to provide certified bud wood free from CTV and Greening disease.

IHT, Mandira, Assam organized training programme for Production of Quality Planting Material by Grafting for framers of Assam which was followed by distributing planting material to farmers for field demonstration in the respective area for growers. .



## Iht Education

Institute of Horticulture Technology provides training on latest technologies in protected cultivation of vegetable, flowers and modern young plant production in protected conditions. The objective of different courses offered acquaint the technical manpower for horticulture crop production by adopting latest technologies.

These trainings are the step towards the upcoming startups being set up by the prospective entrepreneurs. For starting greenhouse crop production people need some trainings for the better understanding of the technology. These training programs help in enhancing the competence level and talent of the trainees. These courses aims to develop ability to grow crops in greenhouse and the challenges in it. These courses are relevant and valuable as a foundation for any person interested in modern horticulture crop production technologies. The institute organizes many training programs include greenhouse crop production. landscape training, cut-flower production, and commercial hydroponics.



## UPCOMING TRAINING PROGRAMMES

S. No.	Title	Duration	Mode of Training
01	Landscape Horticulture	2 Week	Online cum Offline
02	Commercial Hydroponics	2 Week	Online cum Offline
03	Online Basic Hydroponic	3 Days	Online
04	Protected Cultivation of Vegetables Crops	1 Week	Online and Offline

**\*Customized courses are also offered on demand.**

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