



## Contents

- IHT ANNOUNCES JOB ORIENTED SPECIALIZED DIPLOMAS IN HORTICULTURE IN COLLABORATION IN DR. RAJINDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, BIHAR
- E-TRAININGS PROGRAMMES
- UPCOMING E-TRAININGS

## **IHT announces Job Oriented Specialized Diplomas in Horticulture in Collaboration in Dr. Rajindra Prasad Central Agricultural University, Pusa, Bihar**

Horticulture isn't just becoming a farmer. Modern horticultural practices involve an intimate understanding of food systems, natural resources. World is experiencing changes across various facets of life – personal and professional, at a speed never seen before. Everywhere we look we see that technology is involved in horticulture crop production at the same time there is dearth of skilled manpower in India and abroad in Hi Tech Horticulture. The manpower has to be there with the skills to handle future food systems to preserve food security. Climate Change may alter how we feed the world, but new technologies and initiatives can lead us to path of prosperity in the world with respect to food and environment.

Rising to the needs Institute of Horticulture Technology established in 2009 embedded the curricula of various diploma programmes with such futuristic and emerging technologies as are contemporary and would build the competence of youth and to have a head start in their careers. Employment oriented diplomas in various specializations in horticulture of two year durations (DPH) and Post Graduate Diploma(PGD) of one-year duration have been started by Institute of Horticulture Technology under joint technical, academic and certification arrangements with Dr. Rajindra Prasad Central Agricultural University, Pusa, Bihar which ranks among top ten Govt. Universities preceded by Tata Institute of Social Sciences, Mumbai

A 10th pass with science for DPH and graduate candidate for PGD from science/ horticulture/agriculture streams can avail the benefit of these diplomas.

IHT will be pivotal for the aspiring students in moving ahead on the path of making their dreams come true. As such the institute has announced Diploma and Post Diploma in Horticulture with specializations in Landscaping, Protected Cultivation of Vegetables and Cut flowers, Innovative Young Plant Production, Organic Farming and others. With such specializations, students will be ready to jump to work for the industry without any additional training requirements from the Industry.

Key focus of the program will be job ready curriculum with special focus on Futuristic technologies combined with core skills necessary in Horticulture crop production. Lot of emphasis is being given to change the adoption curve of new technologies, so that students can match with the skills required by the employers. IHT aims to be the educating and equipping students to become the "Most preferred potential employees for any corporate.

Early adoption of technology will be one of the key Mantra which is being facilitated through Professional Certifications which has been integrated with the regular curriculum. Institute of Horticulture Technology is known for its world class faculty and enabling dream jobs for the students. IHT has established Centre of Excellence in Greater Noida, which makes it a landmark for prospective students. The Centre is the place where students will be undertaking Hands On trainings in greenhouse technology and allied subjects which are in line with the requirements of the Horticulture in India. Customized skills will be the defining characteristics of the program, which means that every student matters to us and can have flexibility in choosing the electives as per her / his passion.

## E-TRAININGS PROGRAMMES

With an increasing number of states and in between initially in March - April whole country closing, as a response to the COVID-19 pandemic, IHT through e – training programmes shared its expertise and resources to stakeholders and interested persons by keeping the doors of learning open in the challenging times.

IHT established distance trainings - quality e- training programmes to build competencies of the trainees. The trainees besides the interactive lectures with the experts of IHT had a virtual tour of the Hi Tech Infrastructure like Hydroponics Greenhouses, Protected Cultivation, Micro Irrigation and other related facilities in different programmes.

### Protected Cultivation of Vegetable Crops

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. Institute have successfully completed e-training program on “Protected Cultivation of Vegetable Crops” for 5 days for entrepreneurs’ from different states of India. Participants were provided e-training 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 very useful being practical oriented which helped in understanding the technologies involved in the protected cultivation and developing their entrepreneurial skills.



## Mushroom Cultivation

Participants from different states of India showed their interest in 3 days' mushroom cultivation- e-training program. The major components of the course were interactive lectures on structure for mushroom cultivation and cultivation practices for button mushroom, preparation of compost for mushroom cultivation, spawn production, methods of seed/spawn sowing in grow bags, casing and methods of casing preparation, methods of irrigation for mushroom cultivation and application of fungicide /insecticide.



## Commercial Hydroponics



Institute successfully organized various 3 and 5 days e-training programs on "Commercial Hydroponics", for the entrepreneurs and students from Maharashtra, Uttar Pradesh, Delhi, Rajasthan, Karnataka and many other states. The participants found the training very informative and found the information shared by faculty of IHT of great importance and also felt the training a great learning experience. During training trainees were explained in detail about water quality analysis for open & closed loop, plant nutrition management, nursery

production, seeds identification, climate control in greenhouse, cladding materials, training-pruning, physiological disorders of hydroponics crops and greenhouse pest management.

## Production Technology of Greenhouse Vegetable Crops

e-Training programs for entrepreneurs' on "Production technology of Greenhouse Vegetable Crops" were also conducted during the period. The trainees were explained about the significance of standard operating procedures- SOP's to be adopted during nursery production. Interactive lectures were provided on protected cultivation of various vegetable crops. 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.





## Home Gardening, Kitchen Gardening, Balcony and Terrace Gardening

The e-training program for entrepreneurs/students on various gardening courses like Home Gardening, Kitchen Gardening, Balcony and Terrace Gardening was conducted. The trainees were acquainted with knowledge for maintaining lawns, trees, shrubs, ground covers, soil and nutrition requirements of plants, pests and diseases and their control and drainage. The major training sessions were Quality 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.



### Upcoming e-Trainings

S. No.	Title	Date	Duration
1.	Home Gardening	5th August	2 Days
2.	Protected Cultivation	11th August	3 Days
3.	Homestead Mushroom Cultivation	5th August	2 Days

Customized courses also offered on demand



ISO 9001 : 2008

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