

THE GRADUATE SCHOOL
INDIAN AGRICULTURAL RESEARCH INSTITUTE
(A Deemed to be University under section 3 of UGC Act, 1956)
NEW DELHI-110012

File No. ICAR-IARI/TGS/Skill Development Course .2025

Date: 22/05/2025

Applications are invited for admission to following Skill Development Course at ICAR-IARI, New Delhi:

Featured Courses:

1. Greenhouse Hydroponic and Aeroponic Farming.

Detailed Terms and Requirements for the courses:

- **Greenhouse Hydroponic and Aeroponic Farming**
 - **Duration:** 3 Months (Three Months).
 - **Number of Students Intake:** 20 (UR-9, OBC-5, SC-3, ST-1, EWS-2, PwBD-1*)
 - **Fee for the course:** 15000 /- (Fifteen Thousand only).
 - **Age Limit:** 50 Years (Maximum)
 - **Eligibility/ Education Requirement:** Minimum Eligibility 10th and above.
 - **Place of Program/Venue:** Centre for Proacted Cultivation Technology (CPCT), ICAR-IARI, New Dehi.
 - **Mode of Training (Offline/Residential):** Non-Residential
 - **Language:** Hindi/English
- **Other General Conditions:**
 - **Mode of Selection:**
 - (i). Minimum 60% marks or 6.0 out of 10.0 OGPA throughout the academic career (10th/12th and UG) with relaxation of 10% marks for the candidates for SC/ST/PwBD category.
 - (ii). Reservation of seats for OBC-NCL, SC, ST and Persons with Benchmark Disability (PwBD) category as per Government of India rules.
 - (iii). The candidate needs to fill the Performa and send the filled in Performa along with all degree documents (10/12/UG/PG/any other diploma/certificate course) to In-charge CPCT (incharge_cpct@iari.res.in) and skilldevelopmentcourseiari@gmail.com.
- **Date of Start of Application:** 1st August, 2025
- **Last Date of filling Application:** 31th August, 2025

- **Mode of Application:**

- (i). *Scanned copy of filled application form along with the educational marksheets/degree may be sent to In-charge CPCT (incharge_cpct@iari.res.in) and skilldevelopmentcourseiari@gmail.com.*

Disclaimer:

- No T.A./D.A. will be provided for taking part in the admission process.
- Filling the application form does not guarantee admission to the course. IARI reserves right to admit students.
- All rights regarding the admission process are reserved by The Director, IARI.

Note: Any further queries can be mailed upon In-charge CPCT (incharge_cpct@iari.res.in) and skilldevelopmentcourseiari@gmail.com.

(P K Jain)

JD (Admin.) & Sr. Registrar

**The Graduate School
ICAR-Indian Agricultural Research Institute
New Delhi-110012**

**APPLICATION FOR ADMISSION TO THREE
MONTHS SKILL DEVELOPMENT COURSE**

**Affix your
passport size
photo here**

1. Name of the Skill Development Course applying for _____

2. Full Name (in Block Letter) _____
3. Name of Father/Guardian/Husband _____
4. (a) Address for correspondence (in Block Letters) _____

Pin Code _____ Phone No.: _____ Email ID: _____
(b) Permanent Address (in Block Letters) _____

5. (a) Date of Birth _____
(b) Age _____
(c) Nationality _____
(d) Sex _____
6. Category _____

7. Academic Qualifications

Qualification	Discipline	Passing Year	Name of School/College	University	Percentage/ CGPA
10th					
10+2/ Diploma					
Degree					
Others					

- 8. I declare that the particulars given above are correct and that I will, if admitted, abide by the rules & regulations of IARI.**

Place: _____

Date: _____

Signature of the Applicant



Skill Development Course on

Greenhouse Hydroponic and Aeroponic Farming

2025-2026

3 Months
Offline mode



Background

Smart urban farming is now very popular among growers/farmers mainly in and around the big cities. Its core principle is to grow high value horticultural crops in some protected structures with the hydroponics/soilless/Aeroponic system integrated with efficient irrigation and fertigation system. This type of farming is full of modern technologies involving Greenhouse / Hydroponics / Sensors/Automation/Fertigation/Light etc. This type of farming is popular throughout the world mainly among young professionals from varied sectors like farming, engineering, business etc. Due to continuous requirement of high value nutritious horticultural crops throughout the year mainly in and around the big cities, hydroponics-based farming is very popular as it has the potential to achieve it. Many start-ups related to hydroponics-based farming are coming up covering entire supply chain for providing quality horticultural produce to common citizens. Hydroponics based farming has two important components dealing with engineering and plant biology. Knowledge and skill in both components are integral for its success. Detail information and skill require related to structure, irrigation and fertigation management, Light, IPM and GAP, micro climate for its success.



About ICAR

The Indian Council of Agricultural Research (ICAR) is an autonomous organization under the Department of Agricultural Research and Education (DARE), Ministry of Agricultural and Farmers Welfare, Government of India. Formerly known as Imperial Council of Agricultural Research, it was established on 16 July 1929 as a registered society under the societies registration act, 1860 In pursuance of the report of the Royal Commission on Agricultural. The ICAR Has its headquarters at New Delhi. The council is the apex body for coordinating, guiding and managing reasearch and education in agriculture including horticulture, fisheries and animal sciences in the entire country. With 113 ICAR institutes and 74 agricultural universities spread across the country this is one of the largest national agricultural system in the world



About ICAR-IARI

The Indian Agricultural Research Institute (IARI), known as the Pusa Institute, was founded in 1905 at Pusa, Bihar, through a donation from American philanthropist Henry Phipps. Initially called the Agricultural Research Institute (ARI), it was later renamed the Imperial Agricultural Research Institute before moving to New Delhi in 1936. Post-independence, it became IARI. Today, IARI's vision focuses on leading science-driven sustainable agriculture to ensure food, nutrition, and livelihood security. The institute is dedicated to pioneering research in crop productivity and quality, resource-efficient farming technologies, and agricultural education. It continues to be a cornerstone of agricultural research, fostering innovation in post-harvest technology, biotechnology, and integrated crop management while addressing the challenges of unfavorable agricultural conditions.

About CPCT

The Centre was established in the year 1998-99 as demonstration farm and commissioned as Indo- Israel project in January 2000 as a project undertaken jointly by the government of India, through Department of Agricultural Research & Education (DARE) & ICAR and the Government of the State of Israel, through the Centre of International Cooperation (MASHAV) & CINADCO. The project farm was aimed to demonstrate different technologies for intensive and commercially oriented peri- urban cultivation of horticulture crops for improved quality and productivity. The centre was established to act as a nodal centre of R&D work, training and transfer of technology on the above aspects. The project was established to demonstrate peri-urban, high technology methods of growing flowers, vegetables and fruits. Collaboration with Govt. Of Israel was concluded in 2004 and the unit was re-designed as Centre for Protected Cultivation technology (CPCT).

Educational Eligibility

Age	Educational Qualification	Tuition Fee	Certificate Awarding Organization
Maximum age 50 years	Minimum Eligibility to apply:10th and above	Rs. 15,000/-	ICAR-IARI

Selection Criteria

Minimum Eligibility to apply (10th and above)

Participants need to be register and pay a fee to attend certificate course

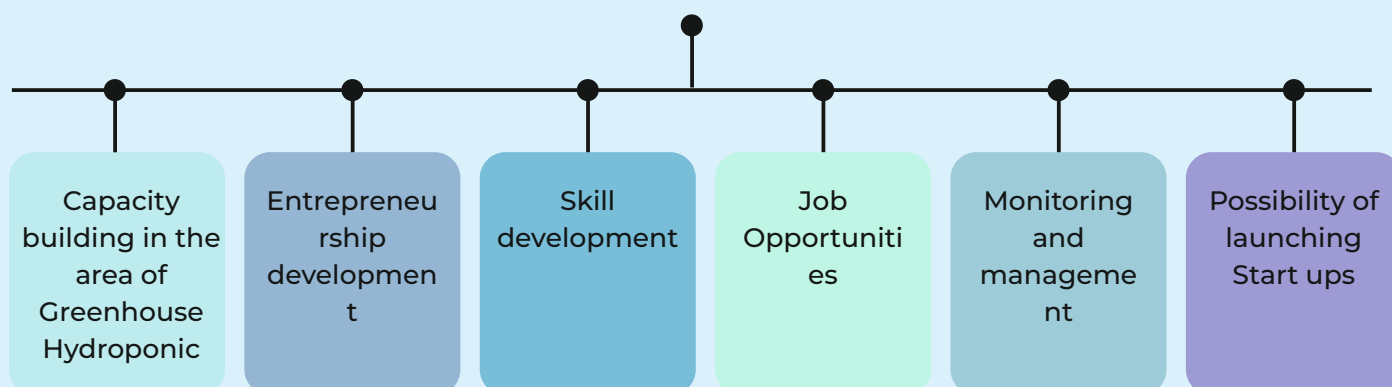
Reservation for category as per Govt. of India rules (OBC/SC/ST)

* No T.A/D.A will be provided for takign part in admission process

How to Apply

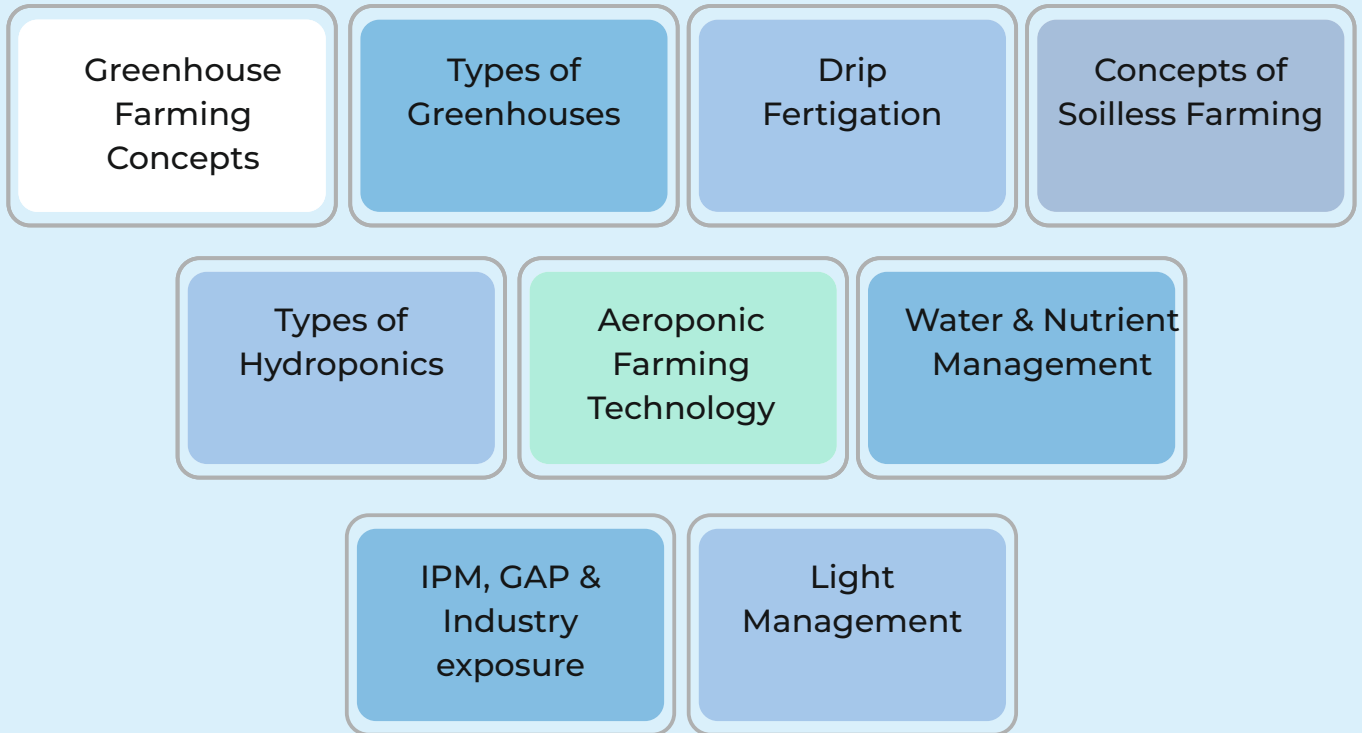
For details refer: <https://www.iari.res.in/bms/latestnews/indexphp>. The candidate need to fill the Performa and send the filled in Performa along with all degree documents (10/12/UG/PG/any other diploma/certificate course) to In-charge Email: incharge_cpct@iari.res.in and skilldevelopmentcourseiari@gmail.com . For further details contact Course Director **Dr. Murtaza Hasan, Principal Scientist, ICAR-IARI, New Delhi, Pusa-110012**, Email: hasaniari40@gmail.com.

Learning Outcomes

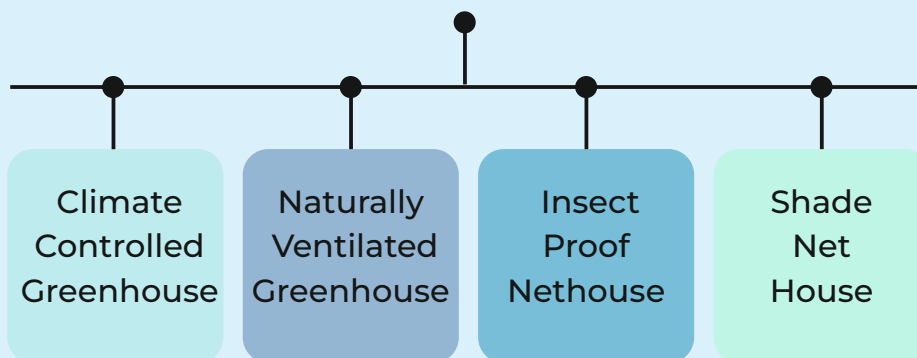


Syllabus

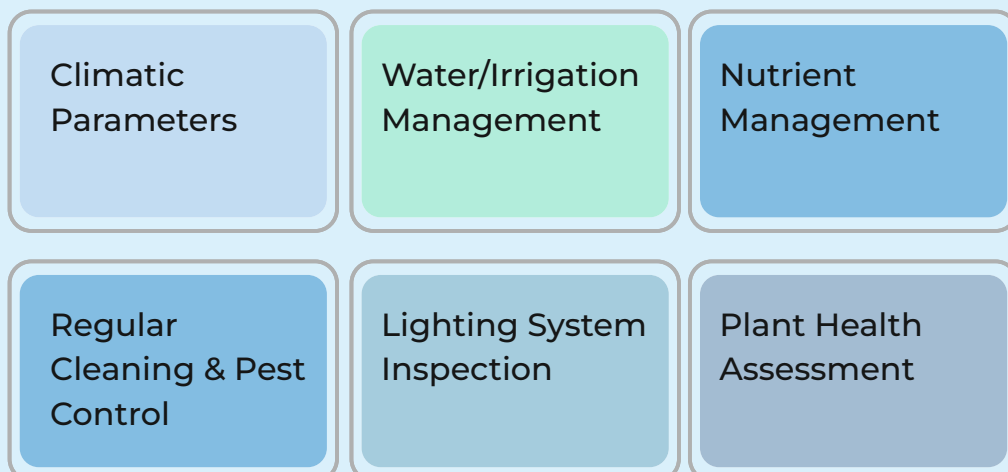
Basic Concepts and Green house Hydroponic and Aeroponic Farming



Broadly protected structures can be classified



Monitoring and Management Greenhouse (Soilless)





SI No.	Course	Mid-Term Thery	Final Theory	Final Practical	Assignment Project Report	Quiz
01	Greenhouse Hydroponic and Aeroponic Farming	15	30	30	15	10
Fees* : Rs.15,000/-				3 Months Duration		
Minimum attendance (%) for appearing in exam:75						
* Total Number of Lecutres: 91 hours' (39 hour Theory + 52 hour Practical)						

Performa Form

The Graduate School ICAR-Indian Agricultural Research Institute New Delhi-110012

Application for Admission to
3 Months Skill Development Course on

Affix your passport
size photo here

1. Name of the Skill Development Course applying for_____

2. Full Name (in Block Letter)_____

3. Name of Father / Guardian/ Husband_____

4. (a) Address for correspondence (in Block Letters)_____

_____ Pin Code_____

Phone No:_____ Email I.D:_____

(b) Permanent Address(in Block Letter)_____

5. (a) Date of Birth _____

(b) Age _____

(c) Nationality _____

(d) Sex _____

6. Category _____

7. Academic Qualifications:

Qualification	Disipline	Passing Year	Name of School/College	University	Precentage/ CGPA
10					
10+2/ Diploma					
Degree					
Others					

8. I declare that the particulars given above are correct and that I will, if admitted, abide by the rules & regulations of IARI.

Place:_____

Date:_____

Signature of the Applicant