

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

Advertisement

No. ICAR-IARI/TGS-DC/2025

Date: 14/07/2025

Online Applications are invited from Indian Citizen in prescribed format from the intending candidates for selection in One-year Skill Enhancement Diploma Course for the session 2025-2026 at ICAR-IARI Assam.

Featured Course:

“Freshwater Aquaculture and Fisheries Management”

Detailed terms and requirements for the course:

- 1) Candidate must be an Indian Citizen as defined in Article 5 to 8 of the Constitution of India. For proof of permanent resident, the Voter Id card of candidate or either his/ her parents or other proof (Aadhar card) must be submitted.
- 2) Candidate must have registered their name in Employment Exchange Office and registration number along with the date must be mentioned in the Application.
- 3) Essential Qualification: H.S.L.C or equivalent (10+2 examination) passed from any recognized Board/Council.
- 4) Age: 18 years and above as on 01.07.2025.
- 5) Total Nos. of Seat: 20 (Twenty)
- 6) The course will be conducted at ICAR-IARI Assam, Dirpai Chapori, Gogamukh-787035, Dhemaji district, Assam and its associated centres, farms, institutes etc.
- 7) The total course fee is Rs. 15,000/-, which needs to be paid on or before joining the course.
- 8) The mode of instruction will be Offline and Non-Residential.
- 9) The preferred language of instruction will be in English, Hindi & Assamese (need based).
- 10) Accommodation and food charges for the trainees will be extra and are to be borne by the participants as per the expenditure incurred.

Other general conditions & Mode of selection:

- 1) The applicants must attain minimum of 50% marks in 10th and 12th with the relaxation of 5% marks for the candidates under SC/ST/PwBD category.
- 2) Reservation: The Reservation Rule of Govt. of India will apply against the seats.
- 3) Selection will be made on the basis of Weightage of Scores: Academic (80%, out of which (10th: 40%, and 12th: 40%) and Personal Interview (20%).
- 4) The Application form may be collected from the website of ICAR-IARI Assam <https://www.iari.res.in> and the completed application forms should be submitted by

the applicant through online in the prescribed format (PDF format) and send in email: **iaridiplomafish@gmail.com** with effect from 15/07/2025. The last date of submission of online Application is upto Midnight of 15/08/2025. Mobile number and email of candidate may be uploaded in the online application.

Disclaimer:

- 1) No T.A./D.A. will be provided for taking part in the admission process.
- 2) Filling the application form does not guarantee admission to the course.
- 3) ICAR-IARI reserves the right to admit students.
- 4) All rights regarding the admission process are reserved by The Director, ICAR-IARI.
- 5) The selected applicants will be contacted in their contact details and email IDs as provided in the application form. Non-response to phone calls and emails by the applicants will automatically lead to cancellation of their candidature.

Documents to be uploaded:

- a) For Age proof, HSLC certificate/ Admit Card issued by recognized Board/ Council.
- b) Voter Id Card of the candidates either his/ her parents/ other proof must be submitted.
- c) All Education certificate of qualifying examination(s).
- d) Recent Passport size Photograph.
- e) Caste certificate from Competent Authority.

Sd/-
Jt. Director (Admin) cum Registrar
ICAR-IARI Assam

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**APPLICATION FOR ADMISSION TO ONE YEAR SKILL
ENHANCEMENT DIPLOMA COURSE ON "FRESHWATER
AQUACULTURE AND FISHERIES MANAGEMENT"**

Affix a
passport photo

1. Full Name (in Block Letter) _____

2. Name of father/Guardian/Husband _____

3. (a) Address for correspondence (in Block Letters)

_____ Pin code _____

Phone No: _____ Email I.D: _____

(b) Permanent Address (in Block Letter)

_____ Pin code _____

Phone No: _____ Email I.D: _____

4. (a) Date of Birth _____ (b) Age _____

(c) Nationality _____ (d) Sex _____

5. Category _____

6. Academic Qualifications:

Qualifi- cations	Discipline	Passing Year	Name of School/ College	University/ Board	Percentage /CGPA
10					
10+2					
Degree					
Others					

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

Place: _____

Date: _____

Signature of the Applicant

ONE YEAR SKILL ENHANCEMENT DIPLOMA COURSE IN FRESHWATER AQUACULTURE AND FISHERIES MANAGEMENT



Division of Animal, Poultry & Fisheries Sciences
ICAR - INDIAN AGRICULTURE RESEARCH INSTITUTE
Dirpai Chapori, Gogamukh -787035
Dhemaji, Assam

2025-2026

iaridiplomafish@gmail.com

Genesis

North east comprises eight land locked states and have vast varied fish resources in the form of reservoirs, tanks and ponds, beels, Oxbow lakes and other derelict waters covering 4.8 lakh ha water spread area excluding rivers and streams which is estimated at 20,875 km. The two main river systems are Brahmaputra in the North and Barak towards south. The region is rich in freshwater fish species and is regarded as one of the World's hotspots for freshwater fish biodiversity. Fish consumption accounts for more than 95% in this area but there is significant imbalance between demand and supply of fish. Average fish productivity of NE India is about 1.5 MT/ha/year below national average of 3 MT/ ha/ year. The region is deficient in fish production, hence there is an urgent need to increase fish production from the available resources to fill the gap in sustainable manner. The shortage of qualified technical manpower in the aquaculture farms and hatcheries is having a cascading effect on aquaculture in the entire country, as major tasks related to fish health, water quality management, feeding management, and breeding and hatchery operation are crucial in today's modern form of aquaculture practice, especially given the growing demand for fish and fish seed. In view of this, a year-long skill enhancement diploma course in **“Freshwater Aquaculture and Fisheries Management”** is being introduced and is expected to provide qualified manpower to the aquaculture industry in the years to come.

About ICAR

The Indian Council of Agricultural Research (ICAR) is an autonomous organization under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture and Farmers Welfare, Government of India. Formerly known as the 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 Agriculture. The ICAR has its headquarters in New Delhi. The Council is the apex body for co- ordination, guiding, and managing research 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 systems in the world.

About ICAR- IARI Assam

ICAR-IARI, Assam, instituted on May 26, 2017 in Dhemaji district of Assam by the H'ble Prime Minister, has been doing noteworthy development to cater the needs in agricultural research and education not only for North-east India but also to serve as the seat of learning in higher agricultural education in the entire South East Asia. It aims to promote excellence, foster high standard research for holistic agrarian development and orient the educational programme towards future needs and opportunities. The research and outreach programs are henceforth framed herewith keeping in mind the requirements to promote entrepreneurial skills for commercialization of agriculture in the region through different diploma courses.

About Division of Animal, Poultry & Fisheries Sciences

The Division of Animal, Poultry & Fisheries Sciences encompasses seven specializations, with four positions focused on Animal Science and three on Fisheries Science. The main objective of the Division include the characterization of indigenous animal and fish resources, livelihood improvement through integrated animal-fish farming systems, and the development of production technologies for commercially important indigenous fish and animal resources. The Division also pursues genetic improvement of local animal and poultry breeds to support sustainable livelihoods and analyzes existing integrated farming systems to enhance the production of livestock, piggery, fish, and horticultural crops for livelihood enhancement. Additionally, it focuses on capacity building for farming communities by promoting best management practices in piggery and fish farming. The Division aims to promote excellence, foster high-standard research, and align educational programs with future needs and regional opportunities. Furthermore, it strengthens formal and non-formal training to develop entrepreneurial skills and advance the commercialization of animal husbandry and aquaculture in the region.



Eligibility	:	The course is open for 12 th pass candidate from a recognized board of India (ICSE, CBSE, SSC, IB).
No. of seats	:	20 seats per year.
Age	:	Minimum of 18 years and above.
Course Registration	:	The total course fee is 15,000. The total course fee has to be paid on or before joining the course.
Time and Duration	:	The duration of the course is one year. The academic session will start on 01 October 2025 and end on 30 September 2026
Diploma awarding organisation:	:	ICAR-IARI Assam
Venue:	:	The course will be conducted at ICAR IARI Assam, Dirpai Chapori, Gogamukh, Dhemaji, Assam and its associated centres, farms and institutes.
Mode of training:	:	Offline and Non-Residential
Language	:	: English, Hindi and Assamese (need based)
Selection Criteria:	:	<p>(i) Minimum 50% marks (10th and 12th) with relaxation of 5% marks for the candidates for SC/ST/PwBD category.</p> <p>(ii) Weightage of Score: Academic (80%, out of which (10th - 40%, and 12th - 40%)) and Personal Interview (20%).</p> <p>(iii) Reservation of seats: As per the rule of Govt. of India.</p>
Disclaimer:	:	<ul style="list-style-type: none"> • 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.
Date of start of application:	:	15/07/2025
Last date of filling application	:	15/08/2025
How to Apply:	:	Scanned copy of the filled application form along with the educational mark sheets/degree may be sent to iaridiplomafish@gmail.com

Syllabus

FAFM-1 Principle of Aquaculture

- Aquaculture systems
- Aquaculture methods
- Aquaculture resources
- Species selectivity
- Site selection criteria

FAFM-2 Freshwater Aquaculture

- Carp culture
- Integrated fish farming
- Freshwater prawn farming
- Open water aquaculture
- Pond management

FAFM-3 Aquatic Environment Management

- Concept on water quality
- Water chemistry analysis
- Properties of pond soil
- Soil quality analysis
- Soil & water quality management

FAFM-4 Feeding & Feed Management

- Principles of fish nutrition
- Types of fish feeds
- Feed composition & analysis
- Feed manufacturing
- Fish feeding management

FAFM-5 Fish Hatchery Management

- Broodstock management
- Hatchery models & designs
- Carp & catfish breeding
- Induced breeding
- Seed packaging & transport

FAFM-6 Ornamental Fish Farming

- Ornamental fishes of India
- Aquarium fabrication
- Ornamental fish breeding
- Water quality management
- Fish feed & feeding

Syllabus

FAFM-7 Fish Health Management

- Diseases in fish
- Causes of fish diseases
- Preventive & therapeutic measures
- BMP in aquaculture
- Quarantine management

FAFM-8 Live Food Organisms

- Live feeds & their value
- Planktons & periphytons
- Pond treatment for live food
- Pure culture techniques
- Hatching, storage & feeding

FAFM-9 Integrated Farming System

- Components in IFS
- Housing in management
- Selection of breeds
- Feed, hygiene management
- Bio-security & disease management

FAFM-10 Harvest & Post-Harvest Management

- Fish harvesting systems
- Fish handling & processing
- Value added fish products
- By-products & waste utilization
- Storage, packaging & marketing

FAFM-11 Business & Financial Management

- Support services in fisheries
- Project formulation
- Fish based enterprises
- ICT, laws in fisheries
- Business plan

FAFM-12 Field Experience Programme

- Fish farm & market visits
- Aquarium fabrication & keeping
- Hands on fish breeding
- Preparation of fish products
- Fish craft & gear maintenance

Learning outcomes:

- ❖ Participants will acquire practical insights into fish farming techniques, pond management, water quality assessment and disease control.
- ❖ Participants will develop hands-on skills related to fish breeding, hatchery operations, and feed management.
- ❖ The program will emphasize sustainable aquaculture and fisheries practices, teaching participants how to minimize environmental impact and conserve resources.
- ❖ Participants will be well-prepared to meet the growing demand for quality fish and fish seed.
- ❖ The participants will also be trained in post-harvest management of fish, integrated fish farming practices and ornamental fish trade.
- ❖ Participants will learn problem-solving strategies specific to fish farming challenges, enabling them to address real-world issues effectively.
- ❖ The course will foster an entrepreneurial mindset, encouraging participants to explore business opportunities within the aquaculture sector.

Employment Opportunities

Aquaculture Technicians

Fish Farm Managers

Hatchery Managers

Entrepreneur

Research and Development

NGO or Extension Work

Fish Feed Production and
Marketing

Processing and Export Sector

Consultancy Services

Evaluation Pattern

Sl. No	Type of Exam	Marks
1	Mid-Term	20
2	Final Theory	30
3	Practical	25
4	Assignment	15
5	Quiz	10



Proforma Form

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COURSE ON FRESHWATER AQUACULTURE AND FISHERIES MANAGEMENT**

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2. Name of father/Guardian/Husband _____

Affix your
passport size
photo here

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_____ Pin code _____

Phone No: _____ Email I.D: _____

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Date: _____

Signature of the Applicant