



**SKILL DEVELOPMENT TRAINING
PROGRAMME
ON
FISH NUTRITION AND FEEDING
STRATEGIES
(16-22 September, 2025)**



**KOLKATA CENTRE
ICAR-Central Institute of Fisheries Education
32 GN Block, Sector V, Salt Lake City, Kolkata- 700091**

BACKGROUND

Feed-based aquaculture has enormous potential for increasing food supply, nutritional security, and employment generation. However, feed accounts for the 60-70% of the total operational cost. Therefore, the improved efficiency of feed conversion and nutrient utilization of cost effective and eco-friendly feed can ensure the enhanced productivity for profitable aquaculture. In this regard, meeting the nutritional requirements of the fish and effective feed management practice can be the crucial factors. Keeping these facts in mind, this training aims to impart scientific and practical knowledge to the stakeholders for feed development and feed-based aquaculture.

In this backdrop, the ICAR-CIFE, Kolkata Centre plans to organize a training programme on “Fish Nutrition and Feeding Strategies” for the benefit of various stakeholders who are involved in aquaculture sector and who interested for the entrepreneurship in commercial feed manufacturing.

OBJECTIVES

- To impart knowledge on fish nutrition and feed formulation
- To impart knowledge on farm-made and formulated aquafeed preparation
- To impart knowledge on on-farm feeding management strategies.

COURSE CONTENTS

THEORY

- Present status and need of feed-based aquaculture in India
- Potential feed ingredients for aquafeed
- Quality evaluation of aquafeed and ingredients
- Anti-nutritional factors in plant-based ingredients and their remedial measure
- Feeding biology and nutrient requirement of fin and shell fish
- Feed additives for aquafeed
- Feed formulation and preparation of farm-made and formulated feed
- Commercial feed mill operation
- Storage of aquafeed and ingredients
- On-farm feeding management strategies in aquaculture
- Water quality in relation to feed and feeding
- Broodstock nutrition
- Larval nutrition
- Management of nutritional diseases in aquaculture
- Nutrigenomic approaches in fish nutrition
- Marketing of fish feed and ingredients

PRACTICAL

- Proximate analysis of feed and ingredients

- Demonstration on formulation and preparation of aquafeed
- Analysis of water quality parameters
- Assessment of water stability of pellets

VISIT

- Feed mill
- Progressive fish farms
- KVKs

ABOUT ICAR-CIFE KOLKATA CENTRE

The ICAR-CIFE, Kolkata Centre has historical relevance in generating skilled human resources in the field of fisheries education in India. It was established in 1947 as Inland Fisheries Training Centre (IFTC) in Barrackpore, West Bengal and this was the only centre which had provided training facilities for state fisheries departments. During 1997-98, the Centre was shifted to its present premises in Salt Lake City, Kolkata. The Centre was conducting one-year post-graduate certificate course on “Inland Fisheries management and Administration” which was upgraded to one year semester pattern “Post-Graduate Diploma in Inland Fisheries and Aquaculture Management (PGDIF & AM).

Besides, the centre is offering skill development training programmes to the different stakeholders on different aspects of aquaculture. The Centre is equipped with basic scientific instruments and wet lab facility to carry out research activities. The Centre has adequate facilities for boarding

and lodging in the hostel for both male and female trainees.

HOW TO REACH

ICAR-CIFE, Kolkata centre is located in the Sector-V of Salt Lake City, Kolkata. The Centre is well connected with Road, Rail and Air. Netaji Subhash Chandra Bose International Airport at Dumdum is only 16 km away.

The distance between the Centre and railway stations of Howrah and Sealdah are 18 and 10 km, respectively. Frequent bus and taxi services are available throughout the day from any parts of the city. The Niccopark, Benfish, Meen Bhawan and National Council of Science Museum are located nearer to the Centre. The nearest bus stoppage is Swasthya Bhawan.



ELIGIBILITY FOR TRAINING

Aspiring fish farmers, entrepreneurs, professionals, officials, students, researchers and other engaged in fisheries sector are eligible.

COURSE FEE

Rs.2000/- + 18% GST (Rs. 360/-) = Rs. 2360/-per participant as course fee should be paid to the account of “ICAR CIFE SUB UNIT KOLKATA” payable at State Bank of India, SLEC Branch, Salt Lake, current account no. 10224931725, IFSC

SBIN0009985. Payment should be made on or before 30th August, 2025 for confirmation of participation.

BOARDING AND LODGING


Boarding and lodging for the participants will be arranged in the hostel of ICAR-CIFE, Kolkata Centre. The boarding and lodging charges will be Rs.300/- (Rupees three hundred only) per person per day which are to be borne by the participants.


Medium of Instruction: English and Hindi

HOW TO APPLY


The applicant has to apply online through CASH Portal (<https://www.cife.edu.in/CASH-Training-Portal/public/index.php/trainees-login>) on or before **30th August, 2025**. The detailed process of online application is mentioned below.

Step-by-Step Guide: How to Apply for Training on ICAR-CIFE CASH Portal

 Step 1: Open the Registration Page
Go to the official portal:

 <https://www.cife.edu.in/CASH-Training-Portal/public/index.php/trainees-login>

Step 2: Register Yourself

- Click on “**Register Yourself**” below the login form.
- Fill in the required details:
- Full Name in **English and Hindi** ( *Ensure spelling is correct—same will appear on your certificate*)
- Email ID and Mobile Number
- Date of Birth, Gender, Qualification, Caste, Trainee category, etc.
- Create your **own password**
- ☒ Click **Submit** to complete your registration.


 Step 3: Login to Portal

- Use your **registered Email ID** and **created Password** to log in.
- If you forget your password, click “**Forgot Password**” – the new password will be sent to your registered email.

 Step 4: Apply for a Program

- After login, click on “**Apply for Program**”

- Browse the list of available trainings.
- Select your **desired training program**.

 Step 5: Pay the Training Fee

- Make an **online payment of ₹2360/-** to the below account:
A/C Name: ICAR (CIFE Sub Unit), Kolkata
A/C No.: 10224931725
Bank: State Bank of India
Branch: Salt Lake Electronic Complex
IFSC Code: SBIN0009985
Type: Current Account
- Save the **payment receipt** (screenshot or PDF).

Step 6: Upload Receipt & Complete Application

- Attach the **payment receipt** in the form.
- Fill in all remaining required fields.
- Review your application details.
- Finally, **submit** the application.

Note: In case of any kind of query related to online application, you may contact at shivaji@cife.edu.in (Dr. Shivaji- 7894252006)

Programme Leader

Dr. N.P. Sahu

Director

ICAR-CIFE, Mumbai

Programme Director

Dr. T.K. Ghoshal

Principal Scientist & Head

ICAR-CIFE, Kolkata Centre

Programme

Coordinators

Dr. Parimal Sardar

Principal Scientist

(parimalsardar@cife.edu.in;
9163420051)

&

Dr. D. K. Singh

Scientist

(dilipkumarsingh@cife.edu.in;
9836740344)

Correspondence

Head

**ICAR-Central Institute of
Fisheries Education Kolkata
Centre, 32 GN Block, Sector V
Salt Lake City
Kolkata -700091 Phone: 033-
23573893**

Email: kolkata@cife.edu.in