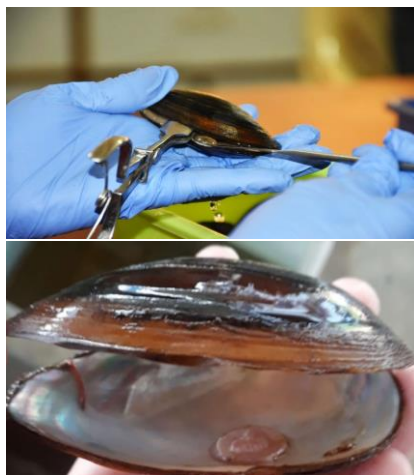




## SKILL DEVELOPMENT TRAINING PROGRAMME ON

## ENTREPRENEURSHIP DEVELOPMENT IN FRESHWATER PEARL FARMING

(1-5 September, 2025)



Organized by

### KOLKATA CENTRE

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

## BACKGROUND

The '*Fisheries and Aquaculture sector*' is recognized as the sunshine sector in Indian agriculture. It facilitates growth of number of subsidiary industries and is the source of livelihood for a large section of economically backward population, especially fishermen, of the country. It helps in increasing food supply, generating adequate employment opportunities and raising nutritional level. Diversification of aquaculture plays a major role. Freshwater Pearl Farming is the important technology and gaining importance for the alternate livelihood of the farmers. In this backdrop, the ICAR-CIFE, Kolkata Centre plans to organize a training programme on "Entrepreneurship Development in Pearl Farming" for the benefit of various stakeholders who are involved in this sector and who are interested for the entrepreneurship in fish breeding and culture.

## OBJECTIVES

- To develop human resource on freshwater pearl culture through hands-on experiential learning process

## COURSE CONTENTS

### THEORY:

- Introduction to freshwater aquaculture
- Introduction to pearl farming
- Understanding the freshwater mussels (anatomy, physiology etc.)
- Nucleus preparation using shell powder
- Nucleus preparation using acrylic materials
- Different types of implantation techniques
- Food and feeding of freshwater mussels
- Nursery and rearing pond management techniques for raising fish with pearl mussels
- FIMTA system of integration
- Health management of freshwater mussels
- Management of water and soil quality for sustainable aquaculture
- Marketing and Future prospectives in pearl farming

## PRACTICAL

- Introduction to surgical instruments.
- Anatomy and physiology of freshwater mussel
- Demonstration of nuclear beads preparation
- Demonstration of mantle cavity implantation
- Demonstration of gonadal implantation
- Demonstration of mantle tissue implantation
- Demonstration of algae culture for feeding of freshwater mussels
- Demonstration of soil and water quality analysis

## 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 (IFTTC) 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)". 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

Students of higher secondary/graduation/PG from Colleges/Universities.

The completed applications may be sent to the HoRC *via* e-mail at [kolkata@cife.edu.in](mailto:kolkata@cife.edu.in).

#### COURSE FEES

Rs. 2360/- (including GST 18%, per participant. Course fee payment should be made in favour of "ICAR (CIFE) Sub Unit, Kolkata" payable at State Bank of India, Kolkata or to the current account no. 10224931725, IFSC SBIN0009985. Payment should be made before start of the training programme for confirmation of participation.

#### TRAVEL ASSISTANCE

Participants interested to attend the training programme will have to arrange their own TA/DA.

#### LODGING AND BOARDING

Lodging and boarding for the participants will be arranged in the hostel of 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

## Application Form for Skill Development Training Programme on **ENTREPRENEURSHIP DEVELOPMENT IN FRESHWATER PEARL FARMING**

**(1-5 September,2025)**

1. Name of the Applicant :
2. Date of birth :
3. Nationality :
4. Gender :
5. Educational qualification:
6. Occupation :
7. Name of the Organization to which you belong :
8. Work Experience :
9. Present Position :
10. Description of your work:
11. Mailing address:
12. Contact: Telephone/Mobile:
13. Fax:
14. Email:

Certified that I have filled up the above form carefully

(Signature of the applicant with date)



#### Programme Leader

**Dr.N.P. Sahu**

Director & Vice-Chancellor  
ICAR-CIFE, Mumbai

#### Course Director

**Dr. T. K. Ghoshal**  
Principal Scientist & Head

#### Course Coordinators

**Mrs. Sweta Pradhan**  
Scientist  
([sweta@cife.edu.in](mailto:sweta@cife.edu.in); 8249019408)  
&  
**Dr. Suman Manna**  
Scientist  
([suman@cife.edu.in](mailto:suman@cife.edu.in); 7982666825)

#### 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](mailto:kolkata@cife.edu.in)