

Government of India
Central Institute of Fisheries, Nautical & Engineering Training (CIFNET)

PROSPECTUS

VESSEL NAVIGATOR COURSE (VNC)
&
MARINE FITTER COURSE (MFC)

CIFNET

Central Institute of Fisheries, Nautical & Engineering Training (CIFNET), erstwhile Central Institute of Fisheries Operatives (CIFO), was established in 1963 at Kochi to meet the trained manpower needs of ocean going fishing vessels and that of fishing industry, by the Govt. of India. Subsequently two units of CIFNET were established, at Chennai, Visakhapatnam in 1968 and 1981 respectively, for meeting the additional requirement of manpower necessitated by the expansion of marine fishing industry with large number of fishing vessels in their fleet. The name was later upgraded consistent with its functions as 'Central Institute of Fisheries Nautical & Engineering Training' (CIFNET). CIFNET is the only national institute of its kind in the country to meet the training requirements of technical and certified personnel such as Skippers, Mates, Engineers, Engine Drivers of ocean-going fishing vessels as stipulated in the Merchant Shipping (Amendment) Act. 1987. CIFNET is also responsible for developing the required technical manpower for supporting shore establishments.

The key objectives of the Institute are:

- To create technical manpower for the operation of Ocean going fishing vessels
- To create trained manpower to manage fishery establishments
- To provide training for technical teachers of Maritime States and Union Territories for manning their fishermen training centres
- To assist developing nations in the South-east Asia, Middle-east and African regions to create technical manpower for development of Marine Fisheries sector
- To provide technical consultancy service in all its related matters with special reference to technical manpower requirements.

FACILITIES

Infrastructure

The Institute has well developed permanent infrastructure facilities at its three centres which houses the class rooms, laboratories, workshop, Nautical-Chart

practice hall, Simulator (ERS&N) centre, Craft & Gear practical, Library, Hostel, Recreation and other amenities.

CIFNET at its Headquarter at Kochi and its Units at Chennai & Visakhapatnam have well equipped facilities for imparting training and other related activities of the Institute.

Training Vessels

A detailed study of Nautical and Fishing Sciences is the core objective of the programme which requires sea exposure. For providing adequate sea training as per the curriculum, the institute has three ocean-going fishery training vessels based one at each centre. The overall length of the vessels ranges from 28 to 34 metres with Horse Power ranging from 600 to 750 BHP.

Departments

Each one of our Institutes at the above centres have the following Departments:-

Department of Fisheries Technology

The Department has ultra modern infrastructure for fishing gear repairs, fabrication and training. The Department imparts theoretical and practical classes on Fishing gear materials and design, Fishing technique, Fishery Biology, Deck Equipments etc. Fabrication, repairs and maintenance of fishing gears required for the training vessels of the Institute is also undertaken by this department. This Department is also equipped with a fishing gear and fishery biology laboratory.

Department of Nautical Science

The Department of Nautical Science has well equipped facilities at all the three centres of CIFNET for imparting theoretical as well as practical training in Seamanship, Navigation, Marine Meteorology and Oceanography. It has excellent visual aids for onshore training. The Department is also equipped with modern navigational equipments and has a spacious navigation hall for conducting chart practical and passage planning.

Department of Marine Engineering

Division comprises of various disciplines of engineering such as Marine Engines, Marine Auxiliaries, Electrical, Electronics, Computer Application, Fishing Craft Technology, Refrigeration and Hydraulics. Well established Workshop and Laboratories on the above disciplines are available with the institute to impart a systematic practical training to the students during their course of study.

Marine Engineering Workshop

A well-equipped workshop is available for maintenance and repairs of the training vessels of the Institute. It also provides practical training with the special emphasis on machining, welding, smithy, fitting, carpentry and IC engine refitting.

Training Section

Training section of the Institute coordinates all the training activities of the Institute. Selection of candidates by conducting entrance examinations, interviews, curriculum development, planning, programming and conducting various training courses are dealt by the section. It is also providing employment guidance for the post-institutional trainees.

Library

The Institute library is adequately equipped with technical-scientific books and reputed journals on Nautical Science, Marine Engineering, Fishing Craft Technology, Fishing Gear Technology, Workshop Technology, Electrical Technology, Electronics, Computer Science, Fishery Biology, Fish handling, Marine Meteorology, Oceanography, Refrigeration, Hydraulics etc. at its three centres.

Courses offered

Regular Courses & Ancillary courses

The Institute has been conducting two trade courses viz. Vessel Navigator & Marine Fitter Course of 2 years duration, which is formulated under Craftman Training scheme of NCVT, New Delhi since 2006. These two trades are started with the view of producing practical Trades man in the Marine Sector and manpower for the Deck side and Engine side of the fishing vessel The successful candidates, after obtaining requisite sea service will become competent to appear the respective competency examinations conducted by the Mercantile Marine Department, Director General of Shipping, Ministry of Shipping, Govt. of India.

In addition, the Institute is also conducting ancillary courses viz. Shore Mechanic Course (12 months), Advanced Diploma in Fishing Gear Technology (12 months) and Fishery Teacher Training Course (6 months) for the benefit of personnel who are managing the shore establishments of the Fisheries Organisations.

Statutory Courses

A Number of preparatory courses such as Elementary Fishing Technology Course, Advanced Fishing Technology Course and Radar Observers Course, are mandatory for obtaining the competency certificates issued by MMD, D.G. Shipping. CIFNET is the sole agency in India approved by the DG Shipping for the conduct of Elementary Fishing Technology and Advanced Fishing Technology courses.

Refresher Courses for examination

Preparatory coaching classes are essential for the candidates appearing for Competency examinations to update their knowledge. CIFNET organises refresher training courses for Mate Fishing Vessel Examination, Engine Driver Fishing Vessel Examination, Skipper Gr. II Examination, Engineer Fishing Vessel Examination to enable the candidates to face the examination with confidence and courage.

Training for foreign nationals

The Institute also arranges Special training programmes for Foreign Nationals from countries like Nigeria, Zambia, Tanzania, Ghana, PDR Yemen, Myanmar, Laos, Sri Lanka, Bangladesh, Maldives, Philippines, Oman etc. under various schemes like FAO Fellowship, CFTC, SCAAP, ESCAP, ITEC, Colombo Plan etc. Thus over the years the Institute came out as a nodal Institution in the South-east Asia for training the personnel of the fishing fleet and offering Special training in Nautical, Fisheries and Engineering disciplines.

Short term Training programmes

The Institute's facilities in the field of Nautical, Fisheries and Engineering Technology are utilised for tailor-made short term courses for the specific requirement of the participants as categorised here under.

- Short term and extension training programmes for Fishermen
- Tailor made programmes conducted for sister organisations
- Refresher courses for serving officials of fishery organisations
- Orientation courses for new entrants of fishery and financial institutions
- Refresher courses for college faculties
- Short term courses for graduate, post graduate students of Fishery colleges, B.Tech. and M.Tech. students of Engineering colleges.

The Technical expertise, training and infrastructure facilities of CIFNET are being utilised to the optimum level by conducting various short term training programmes for the students fraternity during last few years. The ITI / ITC, Graduates, Post Graduates students and students of the Engineering Colleges had the opportunity to attend these specially designed sandwich programmes and were able to absorb gainful practical knowledge.

• **For Under Graduates/Post Graduate students of Fishery colleges**

- Fisheries Technology
- Fishery Biology
- Refrigeration & Equipment Engineering
- Fishing Vessel Engineering
- Seamanship & Navigation
- Oceanography & Meteorology

• **For M.Tech. / B.Tech Students**

- Marine Diesel Engine and associated system
- Marine Engineering
- Marine Refrigeration
- Marine Electro Technology
- Power Generation and Distribution onboard ships
- Marine Electronic equipments and Power supplies

Vessel Navigator Course (VNC) and Marine Fitter Course (MFC)

The Vessel Navigator and Marine Fitter courses are two new trade courses started by NCVT under Craftsman Training Scheme by DGET, Ministry of Labour, New Delhi. These two courses are started with a view of producing practical tradesman in the Marine sector and manpower for the deck side and engine side of the fishing vessels. These courses are of two years duration.

CIFNET has been approved by DGET, Ministry of Labour for starting of the trades. These courses were started for the first time in India in CIFNET. The courses are of residential nature.

On successful completion of the above courses they will be gaining Academic and practical experience in the specialized subjects like Navigation, Marine Engineering so that they will be able to get wider opening at the shore establishments, fishing vessels, marine crafts etc.

VESSEL NAVIGATOR COURSE	
Theory	Practical & Viva voce
1. General English	
2. Applied Mathematics	
3. Fishing Gear Material, Accessories and Design	Practical
4. Seamanship, Safety and Watch Keeping	12. Chart Work 13. Fishing Gear
5. Elementary Marine Engineering	Viva Voce
6. Employability Skills	14. Seamanship and Navigation
7. Naval Architecture & Ship Construction	15. Fishing Gear Technology
8. Fishing Technique	16. Onboard Training-Navigational aspects and Fisheries
9. Marine Fisheries, Fish Processing & Fish Finding Equipments	Report
10. Practical Navigation	17. Report on Onboard Training-Navigational Aspects and Fisheries
11. Marine Meteorology & Basic Principles of Oceanography	
MARINE FITTER COURSE	
Theory	Practical & Viva voce
1. General English	16. Workshop Practical – I
2. Applied Mathematics	17. Workshop Practical and Viva Voce – II
3. Marine Engines	18. Onboard Practical on all Engg. System Operation & Maintenance
4. Workshop Technology	Report
5. Engineering Drawing	19. Onboard Training – Operation, Trouble-shooting & Maintenance
6. Marine Electrical Technology	
7. Basic Electronics & Instrumentation	

8. Employability Skills	of Marine Engines, Auxiliaries
9. General Engineering Knowledge	and Other Machineries &
10. Naval Architecture and Ship Construction	Equipments
11. Machine Drawing	
12. Hydraulics and Deck Machineries	
13. Fishing Technology	
14. Seamanship and Navigation	
15. Heat Engines and Refrigeration	

Mode of study

Theory:- The theory papers are handled by well experienced faculties of the Institute who have proven practical track records in their field of study. The classes are handled with modern teaching aids like Multi-media, Internet, Overhead projectors, live models etc.

Practical:- The curriculum gives special emphasis on practical aspects in Nautical science, Fishery Biology, Fishing Craft Technology, Fishing Gear etc. Practical exposures are given to the students in the well established laboratories.

On-board training:- The onboard practical training is an opportunity to students to get acquainted with the operation and maintenance of the vessel which is the unique nature of this course.

Method of Evaluation

Observation of progress : I, II, III&IV Internal/
record Model examinations

Semester Examinations : All India Trade Test
Semester Examinations
will be conducted by the
NCVT.

Certificate to be : After the successful
awarded completion of the course
Certificate will be
awarded by NCVT.

Minimum Attendance : 90%

Career profile

After successful completion of the two years trade courses, the candidates will be able to choose their career on board fishing vessel or shore establishments dealing with Fishing gear manufacturing, Maintenance and shore Workshops.

No. of Seats

Course	No. of seats			Remarks
	Kochi	Chennai	Visakha- patnam	
Vessel Navigator	16	16	16	15% of seats are reserved for Scheduled Caste and 7 1/2% for Scheduled Tribe candidates.
Marine Fitter	16	16	16	

** The candidates who do not pass in atleast one subject/paper of the I Terminal examination held at the end of first year, will not be eligible to get the stipend during second year till completion of training..*

Mode of selection

Through Entrance Examination which will be conducted by CIFNET at Kochi, Chennai, Visakhapatnam, Delhi, Kolkata, Puri, Patna, Mangalore, Port Blair, Pondicherry and Kakinada.

Eligibility Criteria

Entry : Pass in 10th Standard or equivalent examination with **50% marks in Maths and Science** separately for VNC and just pass for MFC. Attested copy of mark list of 10th Std. or equivalent examination should be enclosed with application even if candidate possesses higher qualification. The candidates who are appearing 10th examination during **March 2017** are also eligible to apply. However the selection will be made only through marks obtained in 10th and entrance examination.

Age limit : 16 to 20 years as on 1st August, 2017. Upper age limit relaxable to Scheduled Caste/Scheduled Tribe candidates by 5 years. Attested copy of Age/Date of birth certificate is to be enclosed with the application. SC/ST candidates who claim relaxation of age should submit along with the application, attested copy of community certificate from REVENUE Authorities specifying that they belong to Scheduled Caste/ Scheduled Tribe, failing which age relaxation will not be granted. There is no age limit when employed candidates are sponsored for training. However no relaxation in educational qualification is granted to the sponsored candidates also.

Physical Fitness : Candidates should be physically fit for strenuous work on board fishing vessels.

Vision : In the case of Vessel Navigator Course, the candidates should pass the prescribed eye test conducted by Approved Doctors of DG Shipping, before admission.

Stipend : Rs.1500/- per month (for open selection candidates only) on submission of Surety Bond for Rs.20,000/- at the time of admission.

Medium of instruction : English

Uniform : Uniform for theoretical and practical classes are compulsory. All trainees are directed to purchase the uniforms after joining the institute to avoid colour shade differences.

Hostel Facilities

The course is residential. The students will be provided Hostel facility within the campus.

Fee structure for 1st Year

Details	Amount Rs.	Remarks
Tuition fee	1800	Annually(@ Rs.150/- per month)
Caution Deposit	2000	At the time of admission
Sports fee	400	Annually
Magazine fee	200	
Council fee	25	
Hostel Rent	2400	@ Rs.200/- per month
Hostel Mess Deposit	3,000	At the time of admission
Vessel Mess Deposit	2,100	At the time of admission
Study tour Deposit	1,600	At the time of admission
Computer & internet facility	400	Annually
Swimming Fee	500	Annually (At the time of admission)
Lab Fee	250	At the time of admission
Total	14675/-	

1. *Mess Dues will be payable on monthly basis.*
2. *Examination fee is payable before Each Semester Trade examinations as per DGET norms.*
3. *Fee for the second year has to be paid at the beginning of the year.*
4. *If the fees are not paid within the stipulated dates, the trainees have to remit the fees with fines / super fines as the case may be.*

Entrance Examination

The Entrance Examination will be conducted in English at Kochi, Chennai, Visakhapatnam, Delhi, Kolkatta, Puri, Patna, Mangalore, Port Blair

, Ponicherry and Kakinada from **10.00 to 12.00hrs.** on **17.06.2017** (tentative date). All eligible candidates who submit proper applications in time will be called for Entrance Examination. The candidates who are not able to download the Hall tickets by **13.06.2017** they may contact CIFNET office at Kochi/Chennai/Visakhapatnam and also refer institutes web site to get the latest information.

Entrance examination will be of Objective type, which covers the topics of **Maths, science subjects and English language**

Instructions for filling of online application form

1. Read instructions for filling up online application form carefully
2. Candidate can save and proceed at each step of application.
3. Fill up all fields with the correct information. Mandatory fields are marked with Red Asterisks. You will have the liberty to edit certain fields as directed by the format including Address, Mobile number and qualification/marks etc.
4. After each save the candidate can discontinue filling of application, if she/he wishes and the same can be continued after some time. However the saved data will not be erased.
5. Keep a digitalized photograph & signature (max. 80KB memory, 30mmX45mm in size) in a formal dress against plain background, Avoid to take photographs in T-shirts, Tops, Fleshy clothing .
6. Assistance for filling/submission of application to the students also will be provided at helpdesk in the office of CIFNET, Kochi/Chennai/Visakhapatnam.
7. If any difficulties for submission of application, please contact over phone (9488706945/8281992008/9447576137) or through e-mail (admission@cifnet.gov.in)
8. Intermediate communication, if any will be communicated to you through sms/e-mail

9. Hall ticket can be generated after the approval of this office
10. After submission of application successfully, Take the print out generated by the Computer and forward the same along with Demand Draft towards application fee and copy of following certificates to the address mentioned below
 1. Attested copy of age certificates
 2. Attested copy of 10th Marks list
 3. Attested copy of community certificate, if SC/ST (SSLC)
 4. One self addressed/stamped (Rs. 10/-) envelop.

NOTE:

If there is no provision to fill the application through online or computer internet centre nearer to your house for filling of application and submission, you can also download the application manually from our website (cinfet.nic.in) and apply with Demand Draft for the required amount & necessary certificates (Sl.No. 10) as mentioned above.

Address to be sent:

Director
Central Institute of Fisheries, Nautical and Engineering Training (CIFNET)
Fine Arts Avenue, Fore Shore Road
Kochi-682016

CIFNET ADDRESSES FOR COMMUNICATION

<i>HQ - KOCHI</i>	<i>Central Institute of Fisheries, Nautical & Engineering Training (CIFNET), Fine Arts Avenue, Kochi – 682 016, India. Ph: 0484-2351610, 2351493, 2351790. Fax: 0484-2370879 E-Mail: cifnet@nic.in, cifnethq@yahoo.com Website: www.cifnet.gov.in</i>
<i>UNIT - CHENNAI</i>	<i>Central Institute of Fisheries, Nautical & Engineering Training (CIFNET), No. 59 S.N. Street, Royapuram, Chennai – 600 013. Ph: 044-25952691, 25952692 Fax: 044-25951785.</i>
<i>UNIT - VISAKHAPATNAM</i>	<i>Central Institute of Fisheries, Nautical & Engineering Training (CIFNET), Post Bo No.191, Beach Road, Visakhapatnam – 530 001. Ph: 0891-2563894 Fax: 0891-2566787.</i>