DR. BALASAHEB SAWANT KONKAN KRISHI VIDYAPEETH, DAPOLI
FACULTY OF FISHERIES, RATNAGIRI

ESTABLISHMENT OF 'DIPLOMA IN FISHERIES ENGINEERING' PROGRAM

India has been naturally endowed with bountiful of fishery resources in marine, fresh and brackish water environment. These fishery resources have given an opportunity to the people of India to generate employment and business avenues. Export of fish and value added fish products is a good source of foreign exchange generation for our country. Fish capture, culture, processing and marketing involves use of numerous technologies and machineries. There is tremendous scope to increase the quantum of fish production for local and global markets by adopting advanced technologies and high efficiency machineries in future. In this regards, for generation of technically qualified human resource to enhance fish culture, undertake sustainable fish harvest and adopt advanced post-harvest technologies, **"Diploma in Fisheries Engineering"** program, a first of its kind in India, is being started under Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli at its Fisheries Campus, Shrigaon, Ratnagiri from the academic year 2011-2012.

Objectives :

1. Generation of high quality, practically knowledgeable human resource in the field of Fisheries Engineering and Technology to compete at the national and international level.
2. To generate self-employment and business avenues in the field of Fisheries Engineering and Technology.

Intake Capacity : Twenty Students per year

Qualification : Xth Standard Pass

Medium of Instruction : English

Course Duration : Three years (Six semesters)

Diploma : Diploma in Fisheries Engineering (D.F.E.)

Admission : Will be governed by Maharashtra Council of Agricultural Education & Research (MCAER), Pune.

The Diploma in Fisheries Engineering program encompasses a detailed practical oriented training on various fisheries engineering and technology aspects such as construction, working, repair & maintenance of fishing boats prepared from different boat building materials, marine diesel engine & out-board engines, deck equipments of fishing vessels, fish finding, navigation, communication, life saving equipments & fire fighting

equipments, fish processing equipments, fish feed & fish by-products manufacturing machinery, ice plants, cold storage and allied fish product storages, fishing gear fabrication machinery and fishing gear testing equipments, work shop machinery, construction of fish farm & hatchery, farm and hatchery equipments & machinery. The diploma program includes a Study Tour of 15 days duration along the West Coast of India during the semester break to visit various Fisheries Engineering Institutes, Fisheries Engineering Workshops, Boat Building Yards, Fish Farms & Fish Hatcheries, Fish Processing Plants, Fishing Vessels, Fishing Harbours etc.

The successful candidate after undergoing three years of rigorous training including one full year consisting of specialized learning and on field work experience will be awarded the **Diploma** in one of the four major disciplines namely :-

a. Diploma in Fisheries Engineering (Fishing Boat Construction & Marine engines)

The candidate will have an opportunity to get employment as well as starting of his own business enterprise in the construction, repair & maintenance of wooden, FRP and steel fishing vessels; working, installation, repair, care & maintenance of marine diesel engines & out-board engines; working, installation, repair, care & maintenance of deck equipments of fishing vessels.

b. Diploma in Fisheries Engineering (Fishing Technology)

The candidate will have an opportunity to get employment as well as starting of his own business enterprise in the operation of various types of fishing vessels; installation, repair, care & maintenance of fish finding, navigation, communication, life saving equipments & fire fighting equipments onboard fishing vessels; fabrication of various types of fishing gears and their repair, care & maintenance; working, installation, operation and maintenance of fishing gear machinery and testing equipments.

c. Diploma in Fisheries Engineering (Fish Processing & Refrigeration Machinery)

The candidate will have an opportunity to get employment as well as starting of his own business enterprise in the installation, repair, care & maintenance of refrigeration machinery for ice plants and cold storages; installation, repair, care & maintenance of various types of fish processing machinery required for freezing and allied value added fish products.

d. Diploma in Fisheries Engineering (Aquaculture Engineering)

The candidate will have an opportunity to get employment as well as starting of his own business enterprise in the field of fish / shrimp farm construction, fish / shrimp hatchery construction; maintenance of construction machinery for farm and hatchery construction;

working, installation, repair, care & maintenance of fish farm & hatchery equipments & machinery.

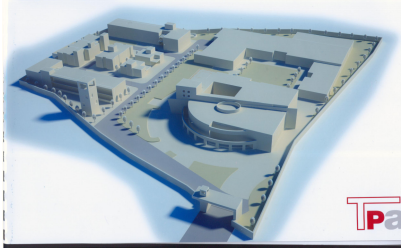
The successful candidate who wishes to continue his / her education is eligible to take admission directly to **Second Year Bachelor of Fisheries Science Degree Course (B.F.Sc.)** which is in par with the procedure as adopted in other engineering institutes across India.

Infrastructure for "Diploma in Fisheries Engineering" program, a first of its kind in India is spread over 5.65 acres of land at the Fisheries Campus, Shirgaon, Ratnagiri which is located at a distance of 5.00 km. from Ratnagiri State Transport Bus Stand and 8.00 km. from Ratnagiri Railway Station.

The Fisheries Engineering Diploma Campus consists of academic and residential block.

The academic block comprises of Technical Education Building which houses Classrooms, Laboratories, Drawing Halls, Internet Cell, Computer Labs, Library, Reading Room, Exam Hall, Auditorium, Principal & Administrative Office, Staff Room, Indoor Sports Complex, Store Room, Canteen etc.

The ultra modern workshop mainly comprises of different sections namely Boat Building, Marine Engines, Deck Equipments, Navigation, Communication, Fish Finding & Life Saving Equipments, Aquaculture Machinery etc. Demonstrative units of Ice Plant, Cold Storage, Fish Processing Plant, Fish / Shrimp Hatchery and Fish Farm are located near the workshop.



The residential block houses Boys & Girls Hostels, Principal & Staff Quarters and a Guest House.