ACTIVITIES

A.PEER TEACHING

{named ALLUMER -2024 }

{1}

- " Advanced students " among the former students are usually taking classes for their juniors ., in presence of their teachers.
- **Kumari. Mahima Susan Mathew** { Batch 2022-2024 } had taken Theory class in "Biophysics, Instrumentation and Biological Techniques " { two and a half hours} to the students of the **Batch 2023-2025**

Date	Time	Topic
28-09-2024	10am - 12.30pm	Radioisotope Detection and Measurement

{2}

- A few " more advanced students " of the **Batch 2023-2025** had taken theory classes for their classmates , in presence of their teachers.
- **Kumari. Vishnumaya.T.P** had taken Theory class in Ichthyology { One and a half hours}

Date	Time	Topic
29-10-2024	2 pm -3.30 pm	Fish Energy Nutrition

B. VISITS TO RESEARCH INSTITUTIONS AND INDUSTRIES

{ by students of the Batches 2023-2024 and 2024-2026 }

- Institutional or Industrial visit has its own importance in a career of a student who is pursuing a Post -graduate or Professional degree.
- It is considered as a part of the curriculum .
- The visit provides students an insight regarding internal working of institutions or Industries, as we know, theoretical knowledge is not enough for making a good professional career.
- With an aim to go beyond academics, industrial visits provide students a practical perspective on the world of work.
- The P.G Department of Zoology has conducted a visit to a few Research Institutions and Industries , on **17 /12 /2024** .

{1}. VISIT TO NIFPHATT , COCHIN, ERNAKULAM DISTRICT, KERALA, INDIA {17 /12 /2024 }

The **National Institute of Fisheries Post Harvest Technology and Training (NIFPHATT**), erstwhile Integrated Fisheries Project, which is devoted to all-round development of Post-Harvest Technologies.

Students were able to see -

1. All post harvest operations of sea fish to turn it into edible products and by products
2. Research and development activities in value added product development.
3. Freezing Plant , Drying Plant , CanningPlant , ValueadditionPlant , By-products Plant etc
4. Procedures in quality assurance { HACCP }
5. For the first time in their life, they came across such an inductrial visit , from which they got so many experiences.
6. 6. By seeing all the above, in them , developed curiosity, observation power, skill , positive attitude towards science etc.

{2}.VISIT TO CIFNET , COCHIN, ERNAKULAM DISTRICT, KERALA, INDIA {17 /12 /2024 }

❖ **The Central Institute of Fisheries Nautical and Engineering Training (or CIFNET)** formerly known as the Central Institute of Fisheries Operatives, is a marine studies centre

located at Kochi, India. Maintained by the Department of Fisheries and Animal Husbandry and Dairying of the Government of India,

Effect and gain in students -

1. The students got a chance to see a new lab first of its kind in the country to study fish behavior.
2. They got opportunities to get a talk on risk assessment of dietary exposure of persistent organic pollutants and emerging contaminants such as brominated flame retardants and pharmacologically active substances to Indian population from fish and fisheries products.
3. The students got a priliminary knowledge on research on ingression of specific migration of chemicals from plastic packaging materials to fishery products
4. They got a chance to get aquainted with research on incidence of biotoxins in finfish / shellfish.

{3}.VISIT TO CMFRI, COCHIN, KERLA, INDIA {17 /12 /2024 }

- The Central Marine Fisheries Research Institute was established by Government of India on February 3rd 1947 under the Ministry of Agriculture and Farmers Welfare and later it joined the ICAR family in 1967 One of the major achievements of CMFRI is the development and refinement of a unique method for estimation of fishery catch and effort from the over 8000 km coastline called the "**Stratified Multistage Random Sampling Method".**
- With this methodology the Institute is maintaining the **National Marine Fisheries Data Centre (NMFDC)** with over 9 million catch and effort data records from all maritime states of India of more than 1000 fished species.

- ❖ The purpose of establishing the Marine Biodiversity Museum at CMFRI is to collect, preserve, catalogue and display of species occurring along the marine and coastal environments for the education of researchers and public.
- ❖ The Central Marine Fisheries Research Institute, Cochin was recognized as a '**Designated National Repository'** by the Government of India, in December 2007 in consultation with the National Biodiversity Authority under the Biological Diversity Act, 2002.
- ❖ A **Designated National Repository (DNR)** is an Institution authorized to keep in safe custody specimens of different categories of biological material.

Effect and gain in students -

1. The students came to know the procedures of the collection of data of marine fishery landings.
2. They got chances to study about stock assessment and monitoring of marine fisheries resources.
3. They got chances to be aquainted with breeding & seed production of commercial/endangered mollusks
4. The scientists in the CMFRI, showed and explained the procedures and techniques used in tissue culture of marine mollusks such as Pearl oyster for in-vitro pearl production
5. They were able to see live feed culture for fin-fish and shell fish larval rearing
6. They got a chance to see scuba diving .
7. The museum enthralled the students, as it is full of specimens which are new to the students; and they are arranged in a very attractive manner .

{4}. VISIT TO MATSYAFED , ERNAKULAM DISTRICT, KERALA, INDIA {17 /12 /2024 }

- ❖ The factory has emerged as pioneers in the fish net induxtry in India.

- It was established in 1966 in Ernakulam.This is the largest fish net factory in the Public Sector.
- The factory can make all type of nets used in the fishing industry like gillnets, trawl nets and seine nets.

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- It can also make nets for other applications like agriculture, trap and bird control etc.
- The factory produces the best quality nets using nylon multi filament, nylon monofilament, multi monofilament and polyethylene

Effect and gain in students -

1. During this factory visit , the students got a chance to see , how the nice nylon threads are converted into very large nets , within a short time. .
2. Here , almost all machines are imported.
3. Most of the students became thrilled , when they saw the inside of the factory nd had a chance to see different types of technologies used for making nets with different mesh size.