

**DEPARTMENT OF ZOOLOGY 2017-18**  
**FIELD TRIP TO GARIKAPARRU POULTRY**  
**FARM, KRISHNA DISTRICT**  
**06.09.17**

**REPORT**

A field visit was organized by the Department of Zoology to Garikaparru Poultry farm on 06.09.17. Smt. D. A.Kiranmayee HOD of Zoology led the team of 26 students of III B.Sc. BZC to the poultry farms.

**OBJECTIVE:**

To know about the brooder and layer houses. To gain knowledge on the various activities carried in the poultry farm.

**OBSERVATIONS:**

We started at 10 AM and reached Garikaparru at 11 AM. Here the students observed different types of housing systems of chicken, their equipment and machinery to provide feed. They learnt about the controlled condition of environment factors and safety measures followed for producing the good quality eggs.

Garikaparru poultry farm is a big farm having separate brooder, grower and layer houses. We visited various houses and observed various activities carried there. In brooder house 32-35<sup>0</sup>C temperature is maintained that is suitable to the brooders. Feed is supplied to the brooders in brooder trays so as to prevent the wastage of feed. In a grower shed, grower mash is given to the young ones to maintain their body weight. The layers grown in an intensive Cage system method. The eggs roll down the trays that are collected and sold to the market.

**OUTCOME:**

Students gained practical knowledge on different housing systems of poultry farms and feed management.



**Students at Garikaparru Poultry Farm**



**Students writing their observations at Garikaparru Poultry Farm**

**DEPARTMENT OF ZOOLOGY**  
**FIELD TRIP TO RGCA, MANIKONDA, KRISHNA (DIST.)**  
**01.03.18**

**Report on Field Trip to RGCA on 01.03.2018**

The Department of Zoology organized a field trip to RGCA (Rajiv Gandhi Centre for Aquaculture) at Manikonda on 01.03.2018 for III B.Sc. BZC students. The team was led by HOD of Zoology DA Kiranmayee. RGCA is a technology incubation center of MPEDA. It is successfully operating Tilapia (GIFT) project from 2008.

**OBJECTIVE:**

To gain knowledge on Tilapia culture and the maintenance of ponds

**OBSERVATIONS:**

We observed *Letopenaeusvennameii* culture and *Penaeus monodon* culture at RGCA. Sri. B. Appala Naidu Garu, has taken us around the Tilapia ponds. He explained about the intensive type of culture practice of Vennamei and P.monodon. One important aspect about culture practice is maintenance of Aquatic quarantine facility which is a state of art facility created by RGCA. The main focus of this quarantine centre is to facilitate a regulated mode of introduction of non-native *L.venameii* into India in order to prevent the entry of diseases into the country thereby assisting in sustaining the shrimp farming industry in the country.

**OUTCOME:**

Students gained knowledge on the culture of *L. Venameii*, *Penaeus monodon* and Tilapia. They learnt about the different culture practices such as semi-intensive and intensive systems.



**Principal Sri.K. Satyanarayana**  
inaugurating the Field Trip to RGCA,



**D.A. Kiranmayee HOD Of Zoology**  
with students at RGCA culture pond

**DEPARTMENT OF ZOOLOGY 2018-2019**  
**FIELD TRIP TO KATURU POULTRY FARM**  
**07.09.2018**

**REPORT**

A field trip is organized by the Department of Zoology to Katuru Poultry Farm on 07.09.2018 for IIIB.Sc. BZC students. The team of 24 students was led by Smt. D. A. Kiranmayee HOD of Zoology and M.L.Priyanka, Lecturer in Zoology

**Objective:**

To gain practical experience on management of Poultry farm diseases. To identify the male and female chicken.

**Field Observations:**

Poultry farming, commercially for meat and eggs, especially hens are important, as it provides protein rich food. In Katuru poultry farming Single Comb, White Leghorn Layer are reared. Cage system is practiced in this farm. Four layers are kept in a single cage. Feed channel and tap water system with nipple drinkers are provided.

The supervisor in the poultry farm explained about the poultry diseases. Poultry are quite susceptible to a number of diseases. The diseases that generally affect the poultry are typhoid, pullorum, fowl Cholera, Chronic respiratory diseases, fowl pox and infectious hepatitis.

The supervisor has explained the methods of identification of male and female chicks which is very important in the poultry farm. He enlightened that one-day old chicks can be identified by Vent method and Auto Sexing method. When one day old chicks are separated by sexing it will be profitable to the poultry farmer as it reduces feed and vaccination cost.

**Outcome:**

Through this field trip, students came to know about the Management of poultry farm with special reference to disease management. They are able to identify the male and female chicken.



**Principal of the college launching the field trip to Katuru Poultry farms**



**Students with D. A. Kiranmayee HOD Zoology, interacting with the poultry farmer at Katuru village**



## **DEPARTMENT OF ZOOLOGY**

**FIELD TRIP TO RGCA, MANIKONDA, KRISHNA DISTRICT**

**08.02.19**

### **REPORT**

A field Trip is organized by the Department of Zoology to RGCA Manikonda, Krishna District, on 08.02.19 to III B.Sc. BZC students. The batch of students were led by D.A. Kiranmayee HOD of Zoology. Sri.B. Appala Naidu Principal Investigator of the project received the team at Manikonda.

**OBJECTIVES:** To gain practical knowledge on Hatchery and Grow out farming technology of genetically improved farmed Tilapia (GIFT strain, *Oreochromis niloticus*.) To know about all male seeds of GIFT strain and their supply to Aquafarmers and entrepreneurs.

**OBSERVATIONS:** RGCA is a Technology Incubation center of MPEDA, Ministry of Commerce & Industry, Govt. of India. RGCA is successfully operating Tilapia (GIFT) project from 2008. Tilapia is commonly known as Aquatic Chicken, is one of the most popular sea food commodities across the World. We observed the hatching of eggs and thus learnt about seed production. All male seeds (Monosex) culture is practiced at this centre. We observed the of seeds which supplied to different parts of the country. Even the male brood stock is supplied from this centre. The seed supplied is suitable for both low density and High density intensive culture systems. We also observed the Hapas kept at GIFT tilapia ponds and the hatchery facility unit. We also met trainees at Tilapia pond for hands on practice. Then we observed the grow out culture.

**OUTCOME:** Students gained knowledge on Monosex culture of Tilapia that is done on a large scale at RGCA Manikonda



Students started field trip from College Grow out culture pond of Tilapia

## DEPARTMENT OF ZOOLOGY

2019-2020

Field Trip to Poultry farm at Garikaparu, Krishna (Dist.)

06.09.19

### REPORT

Date: 06.09.19

Class: III B.Sc BZC

Staff accompanied: Smt.D.A.Kiranmayee and Smt. CH. Beulah Ranjani

Place of visit: Poultry farm at Garikaparu, Krishna (Dist)

**Brief Report:** A field visit was organized by the Department of Zoology to Garikaparu Poultry farm on 06.09.19. Smt. D. A Kiranmayer HoD of Zoology led the team of 26 students of III B.Sc. BZC to the poultry farms.

**Objective:** To know about the brooder and layer houses. To gain knowledge on the various activities carried in the poultry farm.

**Observation:** Poultry farming, commercially for meat and eggs, especially hens are important, as it provides protein rich food. In Garikaparu poultry farming Single Comb, White Leghorn Layers are reared. Cage system is practiced in this farm. Four layers are kept in cage. Feed channel and tap water system with nipple drinkers are provided.

The supervisor in the poultry farm explained about the poultry diseases Poultry are quite susceptible to a number of diseases. The diseases that generally affect the poultry are typhoid, pullorum, fowl Cholera, Chronic respiratory diseases, fowl pox and infectious hepatitis.

**Outcome:** Through this field trip, student came to know about the Management of poultry farm with special reference to disease management and gained practical experience.



**Poultry farm**



**Cage system**

## **DEPARTMENT OF ZOOLOGY-2019-20**

**FIELD TRIP TO RGCA, MANIKONDA, KRISHNA DISTRICT**

**27.09.19**

### **REPORT**

Date: 27.09.19

Class: I B.Sc (ABC)

Staff: Smt. D.A. Kiranmayee

Places of visit: RGCA, Manikonda, Krishna (Dist)

The Department of Zoology organized a field trip to RGCA on 27.09.19 for I B.Sc. Aquaculture students. The team of 26 students was led by Smt. D.A. Kiranmayee, HOD of Zoology. At the GIFT Center, the team was received by Sr. B. Appala Naidu Garu, Principal, Scientific Investigator of that centre.

**Objective:** To gain knowledge of Tilapia culture and the facilities available at RGCA.

**Observations:** The students were given an introductory class about the culture of Tilapia and the maintenance of RGCA at the beginning of the visit. Genetically Improved Farmed Tilapia (GIFT) is one of the important candidate species for aquaculture in India. *Oreochromis niloticus* (scientific name) is cultured at this center. Tilapia, a native of Africa and the Middle East, is widely farmed in about 145 countries.

By using the brood stock, seed is produced at RGCA. Fully grown Tilapia are regularly tested for disease-free Tilapia-free production. Here, culture is practiced with an improved FCR as 1:0.85%. Tilapia are a hardy, fast-growing fish that can live up to 10 years and reach 10 pounds in weight. Tilapia are shaped like a sun fish and are easily identified by the interrupted lateral line.

**Outcome:** Students gained knowledge on the second most prolific species grown in aquaculture after carps. Tilapia is an excellent source of protein and nutrients. It is also rich in Vitamin B12, phosphorus, selenium, and Potassium.





**RGCA FARMSri. B. Appala Naidu explaining Tilapia culture**

## **DEPARTMENT OF ZOOLOGY**

**2019-20**

**Field Trip to Rajiv Gandhi Centre For Aquaculture, Manikonda**

**13.02.20**

Class: III B.Sc. (CBZ) Cluster students

Staff: Smt.D.A.Kiranmayee

Places of visit: RGCA, Manikonda, Krishna (Dist.)

**Brief Report:**The Department of Zoology organized a field trip to RGCA (Rajiv Gandhi Centre for Aquaculture) at Manikonda on 13.02.20 for III B.Sc. BZC students. The team was led by HOD of Zoology D.A Kiranmayee. RGCA is a technology incubation center of MPEDA. It is successfully operating Tilapia (GIFT) project from 2008.

**Observations:** We observed *Letopenaeusvennamei* culture and *Penaeus monodon* culture at RGCA. Sri. B. Appala Naidu Garu, has taken us around the Tilapia ponds. He explained about the intensive type of culture practice of *Vennamei* and *P.monodon*. One important aspect about culture practice to maintenance of Aquatic quarantine facility which is a state of art facility created by RGCA. The main focus of this quarantine centre is to facilitate a regulated mode of introduction of non-native *L. venamei* into India in order to prevent the entry of diseases into the country there by assisting in sustaining the shrimp farming industry in the country.

**Outcome:** students gained knowledge on the culture of *L Venameii*, *Penaeus monodon* and Tilapia

They learnt about the different culture practices such as some intense and intensive systems





## RGCA FARMFISH PONDS

### DEPARTMENT OF ZOOLOGY

2020-21

Sri Gokul Food Products Dairy Farm, Kanakavalli

03.02.21

Class: III B.Sc. BZC

Staff: Smt. D.A. Kiranmayee and Kum. M.L.Priyanka.

Places of visit: Sri Gokul Food Products Dairy Farm Kanakavalli, Krishna (Dist)

Brief Report: A field trip is organized by the Department of Zoology to Kanakavalli Dairy farm on 03.02.21 for III B.Sc. BZC students. A total of 35 students are led by Smt. D.A. Kiranmayee, HOD Zoology and M.L. Priyanka, Lecturer in zoology.

**Objective:** To observe different types of Dairy breeds, their feeding methods, milk productivity and maintenance of sanitation process.

**Observations:** We observed the different breeds of cattle at Gokul Food products and dairy farm. The main breeds of cattle grown are wild cattle, Murrah and Jersi. One or two buffaloes of Surti type are also present. All these breeds Murrah gives more milk. The feed given are proteins like corn, black gram, green gram along with hay and green grass. The feed cost is generally more in dairy farms. Hence wastage of feed must be prevented. Before parturition cattle are given Challenge feed that includes more protein content. In this farm dairy products are produced and sold. The farming practice adapted is housing system. There is a separate shed for milking of the cattle!

**Outcome:** Student gained practical knowledge on cattle management practices



### OBSERVING FEEDING OF CATTLE CREATING AWARENESS ON DIARY PRODUCTS



STUDENTS AT POULTRY FARM

## DEPARTMENT OF ZOOLOGY 2021-22 Field visit to Poultry Farms, Penamakuru 25.11.21

Class: III BZC

Staff: Smt. D.A. Kiranmayee and Smt. Ch.Beulah Ranjani

**Brief Report:** The department of Zoology organized a field trip to Penamakuru Poultry farms on 25.11.21. The team of 35 is led by Smt.D.A. Kiranmayee HoD of Zoology. Penamakuru is at a distance of 7km from Vuyuru. The field trip was started by the Principal Sri K. Satyanarayana.

**Objectives:** The objective of the field trip is to know about the cage systems of poultry birds, their feeding and maintenance.

#### **Observations:**

The poultry farm at Penamakuru is large with good ventilation. There are six sheds of poultry. All the sheds are maintained in a clean, dry and hygienic environment. The temperature is maintained at an optimum range. There is a proper drainage system to prevent water-logging.

We observed cage system of rearing birds in the poultry farm. Small compartments are constructed with raised wire netting floor. The single and multiple bird cage system is observed in Penamakuru. In multiple cage system four birds are maintained in a cage. Food is kept in narrow channels in front of the cages. Water is provided through pipes with a nozzle system. Waste from the cages is removed at regular intervals. Only layer farming is practiced at Penamakuru poultry

farm. Layer farming will be more profitable and generate more money on a big scale than broiler farming since the birds may be sold as meat after producing eggs.

The poultry farm at Penamakuru has about 1000 birds and the profit for a year is about two to two and half lakhs.

**Outcome:** Students gained practical knowledge on the maintenance of a poultry farm in cage system.



Students started for field trip from college Students at poultry Farm

**DEPARTMENT OF ZOOLOGY 2021-22**  
**Visit to Fish Culture ponds, Kaikaluru**  
**13.12.21**

Class: III B.Sc. Aquaculture

**Staff:** Smt. D.A. Kiranmayee and Smt.Ch.BeulahRanjani

**Places of visit:** Fish Culture ponds, Kaikaluru, Krishna (Dist.)

**Brief Report:**

The Department of Zoology organized a field trip to Kaikaluru fish culture ponds. Students of III B.Sc. Aquaculture participated in the field trip. Smt. D.A. Kiranmayee HOD of Zoology and Smt. Ch. Beulah Ranjini HOD of Botany accompanied the students.

**Objectives:**

- To know & gain knowledge on the culture of Carps & Cat-fishes.
- To know the design and construction of fish ponds.

**Observations:**

We visited Kaikaluru fish ponds. The ponds are large occupying an area of 12 acres. The pond area is divided into nursery, rearing and stocking ponds. Nursery ponds are used to support by fish growing from fry to Fingerlings. The rearing ponds are used to culture fingerlings to juvenile stage. They are maintained in the rearing ponds for about 3 months till they reach a size of 10 to 15



Cm. in length. The fish are kept in stocking ponds for one or two years until they reach the maximum size. Students also observed harvesting of fish.

**Outcome:** students gained practical knowledge on the design and construction of fish ponds and culture of fishes in nursery, rearing and stocking ponds.



Students Started field trip from college



Students observing the fish pond

## DEPARTMENT OF ZOOLOGY 2021-22

Visit to Kadavakollu for Collection of Aquatic  
Weed Plants 19.02.2022

Class: III B.Sc Aquaculture

Staff: Smt. D.A. Kiranmayee

Places of visit: Collection of Aquatic weed plants, Kadavakollu, Krishna (Dist.)

Brief Report: A field trip is organized to Kadavakollu on 19:02, 22 for III B.Sc.Aquaculture students. Kadavakollu is located at a distance of 4 km from AG&SG S Collage Vuyyuru. The batch of 26 students was led by Smt. D. A Kiranmayee HOD Zoology

**Objectives:** To identify the aquatic weed plants. To know about their advantages and disadvantages in a balanced pond.

**Observations:** At Kodavakollu students observed plank tonic, floating, marginal and Emergent plants. They following plants are collected by the students

Floating plants: Eichornia, Pistia & Azolla

Marginal weeds: Typha, Marsilia

Emergent weeds: Nymphae

Submerged weeds: Hydrilla, Valishnaria Chara, Ceratophyllum

Algal weeds: spirogyra, Dinoflagellate.



All the aquatic plants are collected with hands by the students. They brought them to the lab and identified them by using standard characters.

**Outcome:** By identifying aquatic plants students learnt whether the plant is useful to the pond ecosystem or whether it is detrimental to both ecosystem and environment. They also came to know that some of these plants are used as bio-fertilizers



Students collecting aquatic weed plants



Students collecting aquatic weed plants

**DEPARTMENT OF ZOOLOGY 2021-22**  
**FIELD VISIT TO RGCA, MANIKONDA, KRISHNA (DIST.)**  
**24.02.22**

Class: II B.Sc.& I B.Sc. Aquaculture

Staff: Smt. D.A. Kiranmayee

Places of visit: RGCA, Manikonda, Krishna (Dist.)

**Brief Report:** The Department of Zoology organized a field trip to II B.Sc, and I B.Sc. Aquaculture students to RGCA (Rajiv Gandhi Center for Aquaculture) at Manikonda on 24.02.2022. A total of 52 students are led by smt. D. A. Kiranmayee HOD of Zoology and Smt. K. Padmaja, lecturer in Zoology. Manikonda is at a distance of 12 km from AG & SG Siddhartha College, Vuyyuru. The trip was started by the Principal K. Satyanarayana and Vice-Principal Dr. V. Sree Ram. The students were taken to Manikonda in APSRTC Bus. The team started at 9AM in the morning and reached Manikonda at by 9.30 AM. We are received by the Principal Scientific officer Sri. B. Appala Naidu

**Objectives:** To gain practical knowledge on Hatchery and Grow out farming technology of genetically improved farmed Tilapia (GIFT strain, oreochromis niloticus.)

To know about all male seeds of GIFT strain and their supply to Aqua farmers and entrepreneurs

**Observations:** RGCA is a Technology Incubation center of MPEDA, Ministry of

Commerce & Industry, Govt of India. RGCA is successfully operating Tilapia (GIFT) project from 2008. Tilapia is commonly known as Aquatic Chicken, is one of the most popular sea food commodities across the World. We observed the hatching of eggs and thus learnt about seed production. All male seeds (Monosex) culture is practiced at this centre. We observed the of seeds which supplied to different parts of the country Even the male brood stock is supplied from this centre. The seed supplied is suitable for both low density and High-density intensive culture systems. We also observed the Hapas kept at GIFT tilapia ponds and the hatchery facility unit. We also interacted with trainees at Tilapia pond for hands on practice. Then we observed the grow out culture at RGCA

**Outcome:** Students gained knowledge on Monosex culture of Tilapia that is done on a large scale at RGCA Manikonda



Our students starting at Premises different pond cultures

Project Manager (Appala Naidu) explaining



**All the students and staff members assembled at RGCA**

**DEPARTMENT OF ZOOLOGY 2021-22**

**Aqua Tech – Expo 2022, Gudivada**

**29.04.22**

**Class:** II B.Sc.& I B.Sc.Aquaculture

**Staff:** Smt. D.A. Kiranmayee and Smt. Ch.Beulah Ranjani

**Places of visit:** 21<sup>st</sup> – Aqua Tech – Expo 2022, Gudivada, Krishna (Dist)

**Brief Report:** A field trip is organized by the Zoology Department to Aqua-Tech Expo-2022 on 29.04.2022 conducted at Gudivada. Students of first and second B.Sc. Aquaculture participated in the field trip. Smt. D. A Kiranmayee HOD of Zoology and Smt. Ch. Beulah Ranjini HOD of Botany led the team to Gudivada.

**Objective:** To learn advanced technologies in aquaculture for its sustainability

**Observations:**All the students assembled in a Seminar Hall where a brief introduction is about the Aqua expo through a slide show. Then we went around the expo. Farmers from different localities participated in the Expo. We observed different types of Health Care products by various companies used to cure bacterial, fungal and protozoan diseases in fishes and prawns.

We observed the kits for estimating water parameters and learnt (about their operation. This is crucial as water management plays a vital role in fish culture. Then we went around the expo and observed different types of feeds given to both fish and prawns. Students



interacted with the farmers about the feed to be provided to the fish. Lastly, we observed the equipment used in aquaculture ponds and their operations procedure. We observed Water tests, PH meter, Aerators, check trays; motors etc Students showed much interest to know about the procedure of operation of this equipment. We returned to the college but 5:30 pm.

**Outcome:** Students gained knowledge about the advancements in Aquaculture and their use in future for sustainable development.



Students at Aqua -Expo, Gudivada



Students at Aqua Expo

## DEPARTMENT OF ZOOLOGY 2022 - 2023

### FIELD VISIT TO CIFA (CENTRAL INSTITUTE OF FRESH WATER AQUACULTURE), PENAMALURU

06.09.22

Class:II B.Sc. ABC (26)students

Staff: Smt. D.A. Kiranmayee and Smt.K.Padmaja

Places of visit: CIFAPenamalur, Krishna (Dist)

#### **Brief Report:**

The Department of Zoology organized a field trip to CIFA (Central Institute of Fresh Water Aquaculture) at Penamaluru, located at a distance of 19 Km. from AG & SG Siddhartha College Vuyyuru. The field trip was arranged to II B. Sc. Aqua students. The team was led by Smt. D.A. Kiranmayee HOD of Zoology and K. Padmaja, Lecturer in Zoology. We started at 9 am in the college and reached CIFA by 10Am. The Senior Scientist Dr. Ramesh Rathode received the team and explained about the various culture practices done at CIFA,

#### **Objective:**

- To know about exotic fish species, especially of carps cultivated at CIFA.
- To learn about development of low-cost feeds for *Macrobrachium rosenbergi* Culture.



**Observations:**

Dr. Ramesh Rathode explained to the students about the exotic Carps, ornamental fishes and feed of *Macrobrachium rosenbergii*. Students observed the stocking ponds. They caught the fish and with the help of Dragnet. The Exotic carps and Indian Major Carp *Catla catla* are taken into the hands of students practically and they observed all the characters. Dr Ramesh Rathode has demonstrated the turbidity of water by using Sechi Disc. He also demonstrated to calculate the Dissolved oxygen, PH and alkalinity of water.

After having the lunch students observed the culture of ornamental fishes. They also gained knowledge on the growth of *Azolla*. By 4pm students collected the water in the ponds for analyzing the water parameters in the college lab.

**Outcome:** - Students are very much satisfied to observe the culture of Indian Major carps and Exotic carps. They analyzed the water samples and found the parameters of fish pond water are optimum.



Students observing Exotic carps at CIFA Ponds



Students observing Catla fish in culture ponds



**D.A. Kiranmayee HOD Zoology and Smt. K. Padmaja, Lecturer in Zoology along with students at CIFA**



**Students at CIFA Observing Pungus Fish**





Estimation of turbidity with  
Sechi Disc



Explaining identifying characters of  
Fish



DR. Ramesh Rathode explaining to students

**DEPARTMENT OF ZOOLOGY 2022 - 2023**  
**VISIT TO AARUGOLLANU FISH PONDS**  
**11.09.22**

Date: 11.09.22

Class: III B.Sc. ABC (26) students

Staff: Smt. D.A. Kiranmayee

Places of visit: Fish ponds, Aarugollanu, Krishna (Dist)

**Brief Report:** A field trip is organized by the Department of zoology to Aarugaollanufish ponds to III B.Sc. Aquaculture students. The team of 26 students is led by Smt-D.A.Kiranmayee HOD of Zoology and Smt. K. Padmaja Lecturer in Zoology. The fish ponds are located at a distance of 29 Km from AG & SGS

Degree College. Our team was received by Sri G. Sunil Kumar Supervisor of the ponds

**Objective:** To gain practical knowledge and experience about Poly culture in fishes and know about the culture practices of *L. vannamei*.

**Observations:**

The Supervisor Sr. G. Sunil Kumar first explained to our students about the culture practices carried out at Arugollana fish ponds. As per his instructions we went around the fish ponds. There are about 12 parallel ponds, six on each side. On one side of the pond's different species of fishes like Labeo, Catla, Roopchand, Grass Carp are cultivated in a polyculture method. On the other side of the pond *Letopenaenusvennamei* is cultured.

We observed the fish and prawn feed and their process of usage. Students observed the different stages of *L. Vennamei* from Zoea, Mysis and post larval stages. They learnt about the identification of different stage of post larvae of *L. vennamei*. Lastly students observed the harvesting of fish and transportation with the supply of oxygen.

**Outcome:** Students analyzed the rostral spines of *L. Vennamei* and identified the larval stages. They gained practical knowledge on polyculture of fish. They learnt how to transport fish in vehicles with the help of oxygen cylinders.



Smt. D. A. Kiranmayee HOD Zoology with Students at Arugollana Fish Ponds



Students observing feed of *Letopenaenusvennamei*





**Sri. G. Sunil Kumar, Supervisor with students and staff**



**G. Sunil Kumar, Supervisor briefing the students about Fish Ponds**



**Feed distribution Process in Operation from a boat**



**Students observing Prawn post larval stages**

**DEPARTMENT OF ZOOLOGY 2022 - 2023**  
**FIELD VISIT TO PEDALINGALA FISH CULTURE FARMS**  
**08.12.22**

Class:III B.Sc ABC & IIIBZC (55) students

Staff: Smt. D.A. Kiranmayee and Smt. K. Padmaja

Places of visit:**Field Visit to Pedalingala Fish Culture Farms, Krishna (Dist.)**

**Brief Report:** The Department of Zoology organized a field trip to Pedalingala fish ponds to III B.Sc. BZC and II B.Sc. Aquaculture students on 08.12. 2022. A total of 55 students participated in the field trip led by Smt. D.A.Kiranmayee, HOD of Zoology and smt.K.Padmaja lecturer in Zoology. The staff and students started at

7am at AG & SG Siddhartha Collage, Vuyyuru and reached the Pedalingala Fish Ponds by 9.00 am which are at a distance of 27 Km from the college. The team was received by the Aqua-farmer and supervisor Sri.M. Venkateswar Rao.

**Objective:** To provide practical experience to the students about fish culture.

**Observations:** The Pond at Pedalingala occupied an area of 22 acres. It has two types of ponds. Rearing and stocking ponds. Only one species of fin fish is grown in these ponds i.e; Pangasius pangasius. The rearing ponds occupied area of 10 acres and remaining 12 acres are for stocking pond.

Students first observed the water quality parameters in the pond and noted them. Then they observed the feed variations given to the fishes in both rearing and stocking ponds. The Supervisor Sri M.Venkateswara Rao explained and showed them how feed bags are stored and maintained. The feed is given to the fishes from a boat in the form of pellets. Feed is thrown on the water surface. We also observed the harvesting of fish through drag nets and placing them in plastic tubs with alternate layers of ice for transport. Students noted all the information of the Pedalingala fish ponds and returned to the college by 5.00PM.

**Outcome:** Students analyzed the data of water parameters and found that they are near to optimal ranges. They gained practical knowledge on the culture of Pangasius pangasius.



Students at Pedalingala Fish Pond with Aqua farmer



Sri. Venkateswara Rao explaining to students





**Students observing the Fish Ponds**



**Feed Distribution to fishes**



**Harvesting the Fish**