

Field visit to Thalarevu and Coringa Sanctuary.

A field trip was organized by Dept. of Zoology for M.Sc. Aquaculture and Zoology students to enhance practical knowledge and exposure to modern aquaculture practices and natural ecosystems. The visit included fishery ponds, a Recirculating Aquaculture System (RAS), and the Coringa Wetlands in Kakinada.

Aim:

To provide practical exposure to aquaculture

To understand modern fish farming systems

To promote environmental awareness

2. Objectives of the Field Visit

- To understand pond-based aquaculture practices
- To observe modern aquaculture systems like RAS
- To study wetland ecosystem biodiversity
- To gain practical exposure to fish farming techniques
- To understand environmental conservation and sustainability
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Students visited traditional fishery ponds where they observed:

- Pond preparation techniques such as drying, liming, and fertilization
- Water quality management (pH, dissolved oxygen, temperature)
- Stocking density and species selection (carps and other commercial species)
- Feeding practices and use of supplementary feeds
- Aeration systems to maintain oxygen levels

The students observed a modern **Recirculating Aquaculture System (RAS)**, which is a water-efficient and eco-friendly method.

The field trip also included a visit to the Coringa Wildlife Sanctuary, one of the largest mangrove ecosystems in India.

Students observed:

- Mangrove vegetation and its ecological importance
- Estuarine ecosystem and nutrient cycling
- Diverse fauna including birds, crabs, and fish species
- Role of wetlands in coastal protection and biodiversity conservation

Outcomes:

Practical knowledge gained in aquaculture

Understanding of modern systems

Awareness on biodiversity and conservation

Enhanced learning experience

Student Feedback:

Informative and practical visit

Good exposure to real systems

Wetland visit was interesting

Suggested more field visits

Summary:

The field visit was successfully conducted and enhanced students' practical knowledge in aquaculture and environmental studies.

