

Organize events promoting marine and ocean conservation

Participatory rural appraisal (PRA) with fishermen and SHGs

In September 2024, two Faculty members and six students conducted PRA exercises in two villages of Srikakulam district, involving 80 fisherfolk and smallholder farmers.

- Tools such as resource mapping, seasonal calendars, and problem ranking were used to identify challenges in pond management, fishing pressure, and water body conservation.
- PRA findings guided the design of community-led action plans for reducing overfishing, promoting closed-season awareness, and adopting water-efficient aquaculture.

Samples of PRA activity

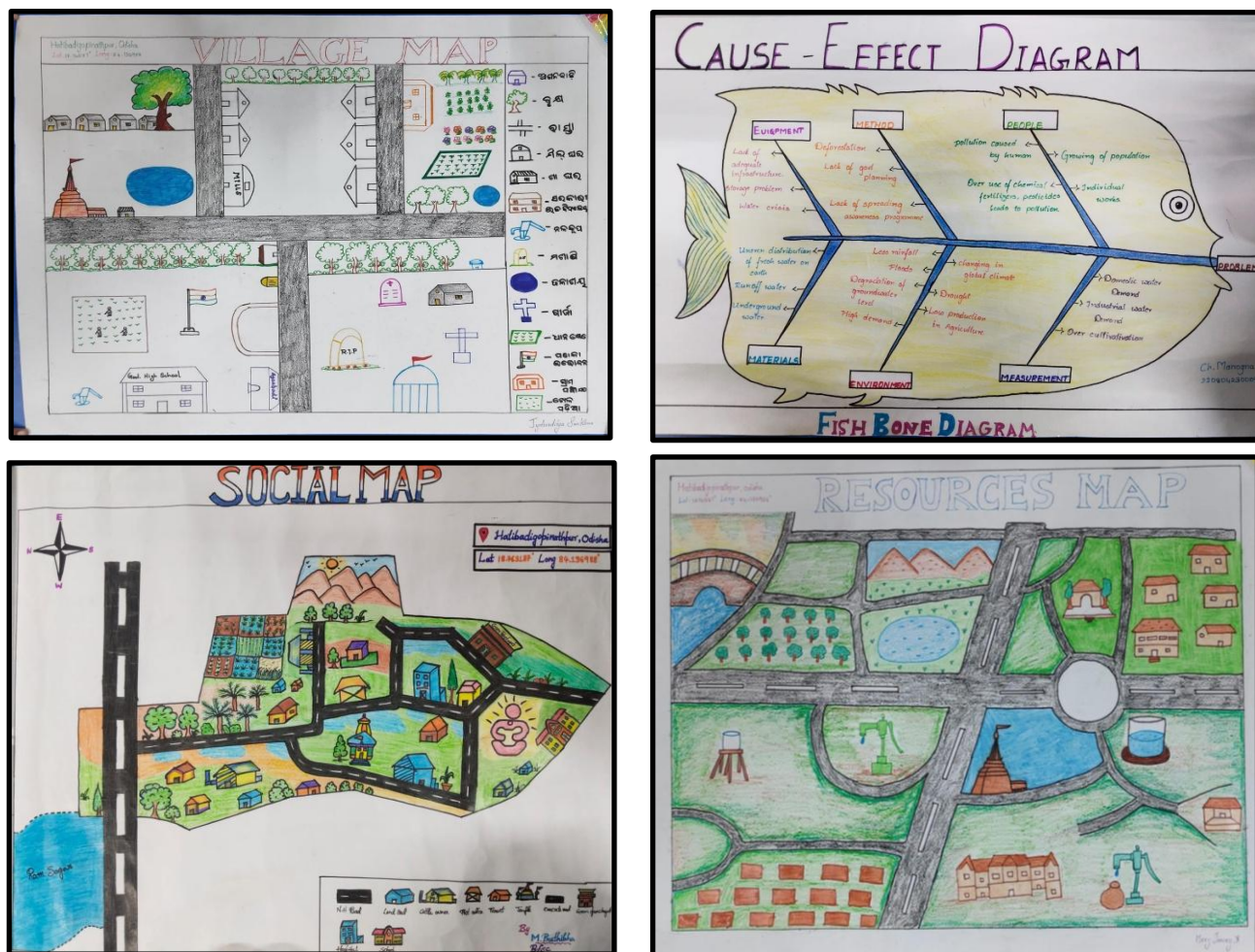


Figure 1: Samples of PRA activity

A. Sustainable Fisheries and Awareness Activities in Srikakulam District, Andhra Pradesh

On 24 April 2024, the same batch consisted of six students and two faculty from Centurion University-PKD-ODISHA who went to the Srikakulam district, located in the North-Eastern part of Andhra Pradesh, which is a fisheries resource hub with a coastline of 193 km, four major rivers (Nagavali, Vamsadhara, Mahendratanya, Bahuda), three major reservoirs (Thotapalli, Peddagadda, Vamsadhara), and over 25,000 ponds (19,000 ha). The sector produces nearly 1,00,000 MT annually (55,000 MT inland, 45,000 MT marine), supporting the livelihoods of thousands of fisherfolk.

The fishery sector in Srikakulam district is characterized by:

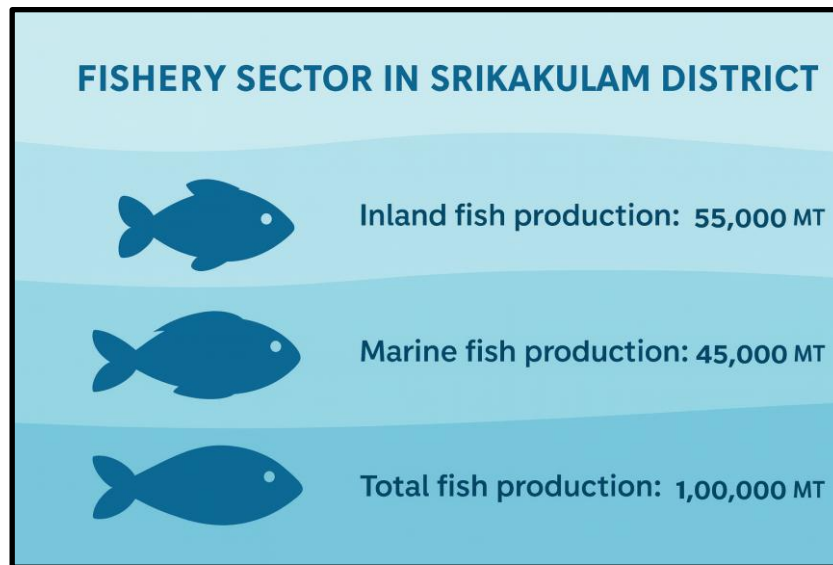


Figure 2: Three different types of fish production

Fish species: Carps, L.Vanamei, and various other species

The district's fisheries department implements various schemes and programs to promote sustainable fishing practices, fish conservation, and fisheries development. With its rich fisheries resources and potential for growth. Srikakulam district is poised to become a major player in Andhra Pradesh fisheries sector.

Srikakulam district in Andhra Pradesh, India is divided into 30 blocks, but covers 3 main blocks.

1. Tekkali
2. Palasa
3. Santhabommali

These blocks are further divided into gram panchayats, villages, and towns. Here's a brief overview of each block:

1. Tekkali : 53 Gram Panchayat, 52 Villages
2. Palasa : 54 Gram Panchayat, 79 Villages
3. Santhabommali : 34 Gram Panchayat, 39 Villages

Each block has its own administrative office, headed by a Block Development Officer (BDO), responsible for implementing various government schemes and programs at the grassroots level.

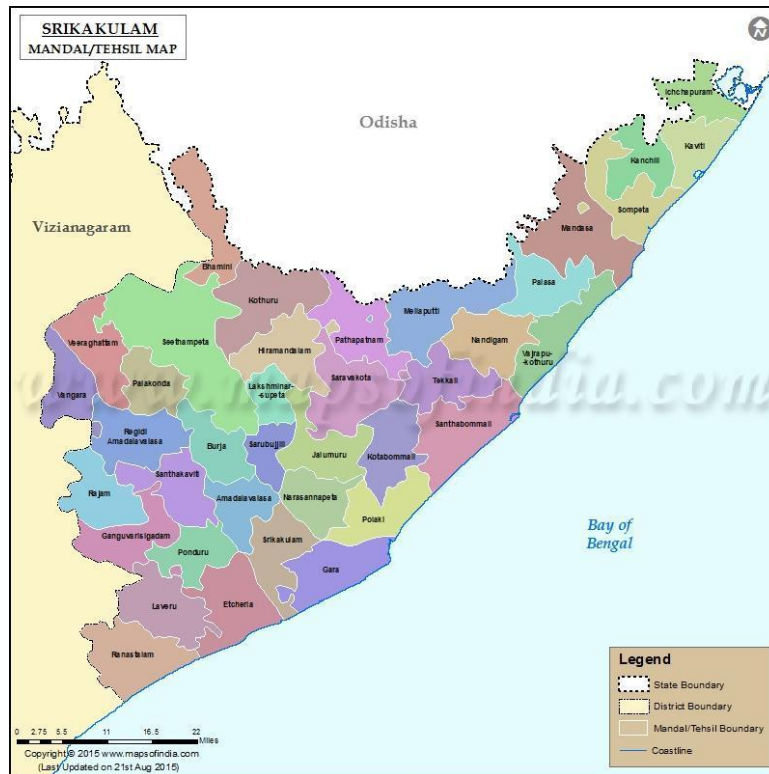


Figure 3: Block wise map of Srikakulam District



Figure 4: Students field visit

c) Integrated Farming Demonstration at ARF Farm

Integrated Aquaculture–Agriculture Demonstration Unit (Fish + Poultry + Vegetables + Fruits) at ARF Farm

Organizing Body

Centurion University – School of Fisheries & School of Management-ODISHA

Participants

- **Students:** B.F.Sc. students (approx. 10)
- **Staff Members:** 3 (technical staff, faculty)

The ARF Farm hosts an **Integrated Farming Demonstration Unit**, which combines **fish** culture, duck and high-variety poultry rearing, vegetable cultivation, and fruit production. Maintained by students and staff, the unit demonstrates nutrient recycling, waste-to-resource utilization, and sustainable livelihood diversification.

This campus-based demonstration serves as a training and awareness model, showcasing how eco-friendly, climate-resilient integrated farming systems can ensure food security, income generation, and water resource sustainability.

Outcomes & Impact

- **Skill Development:** Students gained **practical experience** in integrated farming practices.

- **Community Outreach:** 20+ SHG members and local farmers participated in awareness demonstrations.
- **Sustainability:** Promoted eco-friendly aquaculture, waste recycling, and resource-efficient farming.
- **Women Empowerment:** Women SHG members (25) trained in livelihood diversification models.
- **Youth Engagement:** Active involvement of university students in maintenance and capacity-building.



Figure 5: Integrated Farming -Poultry and Vegetable and Fruit at ARF Pond Centurion University-PKD-ODISHA