A.S. D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY 2023-2024

Aquaculture Technology Courses offered

Year	Semester	Paper	Title of the Course	Course type (T/L/P)
	Semester-III	Paper-III	Fish Nutrition & Feed Technology	Т
п			Fish Nutrition & Feed Technology - Practical	Р
	Semester-IV	Paper-IV	Freshwater & Brackish water Aquaculture	Т
			Freshwater & Brackish water Aquaculture Practical	Р
		Paper-V	Fish Health Management & Fisheries Economics	Т
			Fish Health Management & Fisheries Economics Practical	Р
III	Semester-V	Paper-6A	Soil and Water Quality Management	Т
			Soil and Water Quality Management Practical	Р
		Paper-7A	Ornamental Fish Culture	Т
			Ornamental Fish Culture Practical	Р

AQUACULTURE TECHNOLOGY

Course Outcomes

Semester: III paper-III

Fish nutrition & feed technology

Course Outcomes: By the completion of the course the graduate should able to-

CO1: Understand and analyze the nutritional requirements of cultivable fin fish and shell fish

- CO2: Identify different types of feed in nature and compare different feeding methods of fish
- CO3: Understand and analyze the techniques of fish feed manufacturing and storage methods
- CO4: Understand the importance of different fish feed additives and non-nutrient ingredients.
- **CO5:** Apply the knowledge of different nutritional deficiency symptoms of fish in culture practices.

Semester-IV, paper-IV

Freshwater & Brackish water aquaculture

Course Outcomes: By the completion of the course the student should be able to –

CO1: Understand the scope of aquaculture and apply systems of aquaculture.

- CO2: Understand the culture practices involved in carp culture
- **CO3:** Differentiate the culture of cold water and air breathing fish
- **CO4:** Understand and apply the culture practices of prawn
- **CO5:** Understand and apply the culture practices of brackish water species.

Semester-IV, Paper-V Fish health mangement & fisheries economics

Course Outcomes: By the completion of the course the student should be able to –

- **CO1:** Identify different pathogens effecting the fin fish and give solutions to diseases
- **CO2:** Solve problems related to the pathogens effecting the shell fish
- **CO3:** Analyze the fish health management strategies
- CO4: Understand the different fisheries economic policies
- **CO5:** Communicate various schemes available for the welfare of fishermen community

Semester: V Paper-6A

Soil and water quality management

Course outcomes:

- **CO1:** Understand and analyze various types of soil and their properties
- **CO2**: Acquire the skills of assessment of parameters of water and analyze their importance in culture practices.
- **CO3:** Apply different methods of soil and water amendments of aquaculture practices
- **CO4:** Analyze recent trends in water quality management techniques.
- **CO5:** Assess the different methods of pond treatments

Semester: V paper-7A Ornamental fish culture

Course Outcomes:

Students after successful completion of the course will be able to:

- CO1: Understand the importance of ornamental fishes in Global and Indian trading
- CO2: Identify various commercially important freshwater and marine ornamental organisms
- CO3: Acquire the skill of aquarium management
- **CO4:** Apply the knowledge of breeding in ornamental fishes
- **CO5:** Understand and apply the commercial production of aquarium fishes and plants.