# Payyanur College, Payyanur (Affiliated to Kannur University)

**Programme Outcomes (POs)** 

# **BSc DEGREE PROGRAMME (FOR SCIENCE)**

### **PROGRAMME OUTCOMES (PO)**

**PO1:** Critical Thinking and Problem-Solving - Apply critical thinking skills to analyse information and develop effective problem-solving strategies for tackling complex challenges.

**PO2:** Effective Communication and Social Interaction - Proficiently express ideas and engage in collaborative practices, fostering effective interpersonal connections.

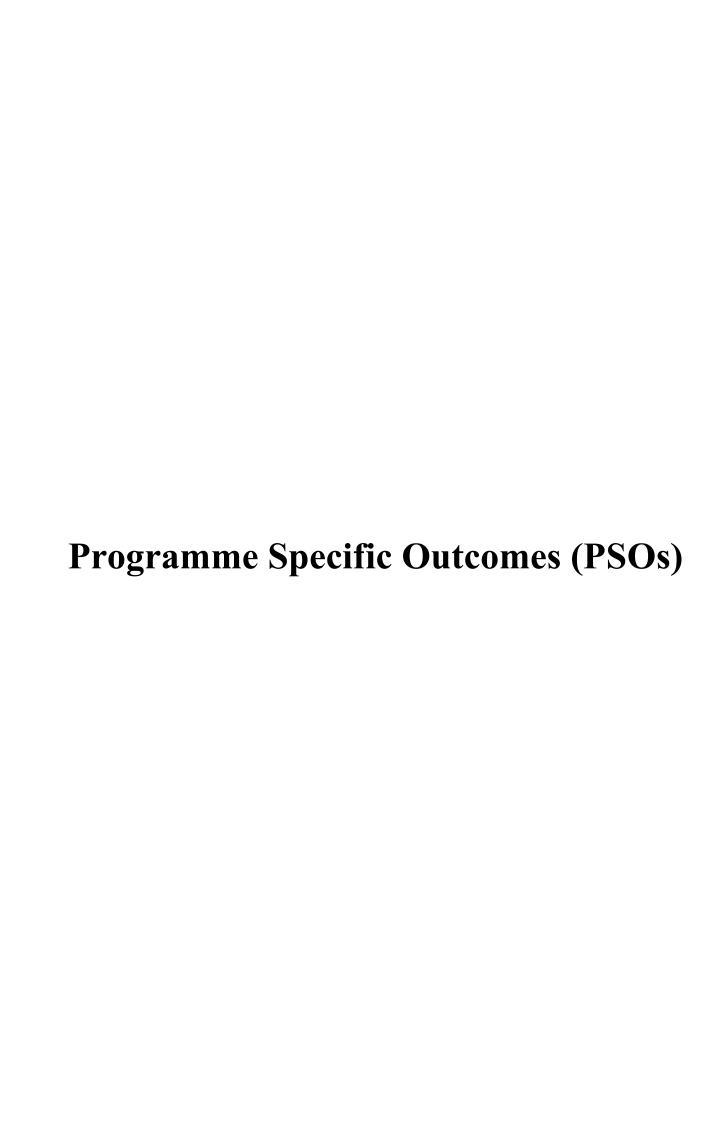
**PO3:** Holistic Understanding - Demonstrate a multidisciplinary approach by integrating knowledge across various domains for a comprehensive understanding of complex issues.

**PO4:** Citizenship and Leadership - Exhibit a sense of responsibility, actively contribute to the community, and showcase leadership qualities to shape a just and inclusive society.

**PO5:** Global Perspective - Develop a broad awareness of global issues and an understanding of diverse perspectives, preparing for active participation in a globalized world.

**PO6: Ethics, Integrity and Environmental Sustainability -** Uphold high ethical standards in academic and professional endeavours, demonstrating integrity and ethical decision-making. Also acquire an understanding of environmental issues and sustainable practices, promoting responsibility towards ecological well-being.

**PO7:** Lifelong Learning and Adaptability - Cultivate a commitment to continuous self-directed learning, adapting to evolving challenges, and acquiring knowledge throughout life.



Name of the Programme: **BSc ZOOLOGY** 

## PROGRAMME SPECIFIC OUTCOMES (PSOs)

#### PSO1:

Appreciate animal diversity and contribute towards their conservation.

#### PSO2:

Apply knowledge of animal morphology, systematics, and evolution to identify and classify species.

#### PSO3:

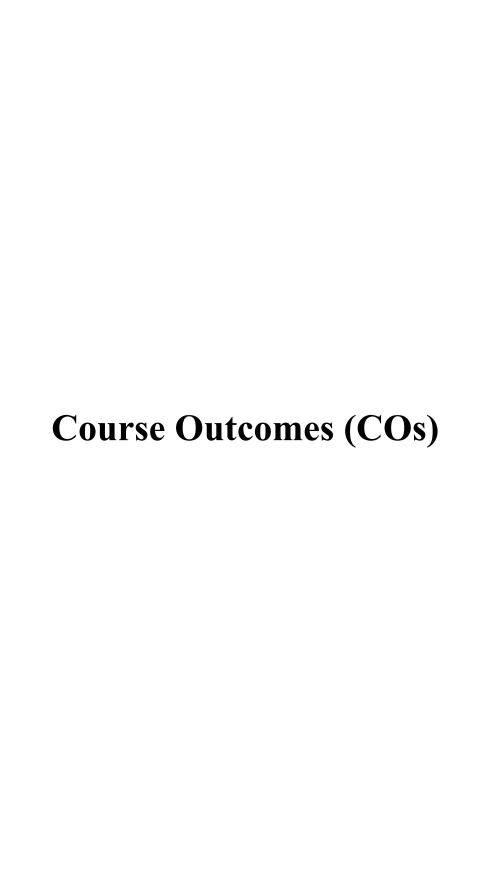
Analyze and interpret different types of biological data.

#### PSO4:

Understand biomolecular interactions and apply the knowledge to comprehend animal biology.

#### PSO5:

Recommend measures for the wellbeing of animals using available biological information.



# **COURSE OUTCOMES (COs)**

Sl. No	Name of the Course	Outcomes
DISCIPLINE SPECIFIC COURSES		
1.	KU1DSCZOO101: INTRODUCTION TO ZOOLOGY	CO1: Demonstrate a deep understanding of the definition of animals, distinguishing their characteristics from other organisms.  CO2: Comprehend the architectural patterns and body plans of animals.  CO3: Utilize the scientific method (hypotheticodeductive method) to test hypotheses related to biological phenomena.  CO4: Prepare taxonomic keys using derived characteristics of organisms based on cladistic principles.  CO5: Evaluate different strategies to collect animals and choose the right one to obtain and preserve their target species.
2.	KU1DSCZOO102: ANIMALS & ENVIRONMENT	CO1: Understanding of the core principles of ecology. CO2: Identify and describe the main components of ecosystems, such as producers, consumers, decomposers, and the abiotic factors influencing these environments. CO3: Evaluate the impact of human activities on ecosystems, considering factors like pollution, habitat destruction, and climate change. CO4: Propose measures for biodiversity conservation and mitigation of climate change.
MULTI-DISCIPLINARY COURSE		
3.	KU1MDCZOO101: INSECT PEST MANAGEMENT	types. CO2: Learn about different insect pest control methods. CO3: Evaluate the benefits and problems of different pest control methods. CO4: Idea about integrated pest management. CO5: Identify the challenges related to insect pest management.