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.

Programme Specific Outcomes (PSOs)

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)

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 (hypothetico-deductive 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**	**CO1:** Define an insect pest and learn about different 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.