DEPARMENT OF ZOOLOGY

Zoology mainly includes the study regarding the structure, evolution, embryology, taxonomy, physiology, ecology, genetics, behavior and distribution of living and extinct animals. The knowledge of zoology is the central theme in the areas like environmental biology and ecology. The candidates open up wide scope of securing a rewarding career.

Programme outcomes

B.Sc.

- Be able to identify a range of invertebrate and vertebrates animals.
- Explained Demonstrated abroad understood of animal diversity,including
- knowledge of the scientific classification and evolutionary relationships of major groups of animals.

Programme outcomes

M.Sc

- Developing Acadmicaly sound future, researchers and intellectual in the area of general biology, molecular biology, biotechnology, genetics, cell biology and environmental conservation.
- Producing contributers in the area of biological research , teaching and biodivaersity conservation
- Cultivating a generation with specific ethics and temper.

COURSE OUTCOME

Class	Outcomes
Bsc I	•Understand the scope of the Cell biology • To study the external as well as internal characters of non chordates. •Understand about the Chordate animals. • Study and understand the various system, adaptation, • development & embryology
Bsc II	•Comparative anatomy of vertebrates organ systems . • Comparative physiology of vertebrate organ system • On completion of the course, students are able to understand • the vertebrate endocrinology, reproductive biology, behaviour, evolution and applied zoology
Bsc III	•On completion of the course, students are able to understand the

	ecology, environmental biology, toxicology microbiology and medical zoology. •On completion of the course, students are able to understand the• Genetics, cell physiology, biochemistry, biotechnology.
Msc I sem	• On completion of the course, students are able to understand the structure & function in Invertebrates. • On completion of the course, students are able to understand the Biosystematics and Taxonomy. •On completion of the course, students are able to understand Comparative Anatomy of Vertebrates. • On completion of the course, students are able to understand Population Ecology & Quantitative Biology
Msc II sem	•On completion of the course, students are able to understand Molecular cell biology. •On completion of the course, students are able to understand Envioronmental physiology & Ecology. •On completion of the course, students are able to understand General and comparative Endocrinology. •On completion of the course, students are able to understand Tools and Techniqniques in biology.
Msc III sem	•On completion of the course, students are able to understand The Animal Behaviour. •On completion of the course, students are able to understand The Population Genetics and Evolution. •On completion of the course, students are able to understand Gamete and Developmental Biology. •On completion of the course, students are able to understand comparative physiology of vertebrates.
Msc IV sem	•On completion of the course, students are able to understand The Limnology. •On completion of the course, students are able to understand Ichthyology. •On completion of the course, students are able to understand Capture Fisheries. •On completion of the course, students are able to understand Fishries and Aquaculture.

Programme Specific Outcomes : PSO of B.Sc., Zoology

•Demonstrated a broad understood of animal diversity, including knowledge of the specification classification & evolutionary relationship of major groups of animals.

•Recognized the relationship between structure & function at different levels of biological organization (eg., molecules, cells, organs, organisms, populations, and species) for the major groups of animal.

•Characterized the biological, chemical and physical features environments (e.g., terrestrial, freshwater, marine, host)that animals inhabit.

- Understood the applied biological science or economic zoology such as Apiculture, Aquaculture, Industrial microbiology.

Programme Specific Outcomes : PSO of M.Sc., Zoology

- Used the evidences of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They are able to use scientific examples to explicate how descent with modification has shaped animal morphology, physiology, life history and behavior.

- Subject such as invasive or endangered sp, embryonic development in mammals and ageing in social insects. Lead to advances in medicine to prevent disease among both animals and human beings.

- Developed knowledge and understood of leaving organism at several levels of zoological and biological organization from the molecular, through to cells and whole organisms and ecosystems all organs of evolutionary perspectives.

- Understood how the chemistry and structure of the major biological macro molecules including proteins and nucleic acids, determines their biological properties