

## **DEPARTMENT OF ANIMAL SCIENCE**

### **PROGRAM SPECIFIC OUTCOMES (PSOs)**

Animal Science is the broad discipline confined to various subjects involved with the study of Animals. The curriculum framework is designed to provide students with complete knowledge of subject domain and technical skills related to Zoology in basic and applied aspects in an integrated manner. This program aims to educate the students in all the possible areas of Zoology with a unique combination of major and elective papers with notable interdisciplinary components.

The students completed Post graduation and Research in Animal Science will be able to acquire core competency in the subject Zoology and in allied subject areas.

- 1.The student will understand the importance of classification of animals and classify them effectively using the six levels of classification
- 2.The student knows his role in nature as a protector, preserver and promoter of life which he has achieved by learning, observing and understanding life.
- 3.The learners will be able to identify and critically evaluate their own beliefs, values and actions in relation to professional and societal standards of ethics and its impact on ecosystem and biosphere due to the dynamics in population.
- 4.The working in nature to save environment will help development of leadership skills to promote betterment of environment.
- 5.The learner will understand the importance of cell as a structural and functional unit of life. The learner will learn molecular aspect of life.
- 6.The dynamism of bio membranes indicates the dynamism of life. Its working mechanism and precision are responsible for our performance in life. This will enable students to learn genetic aspect of animals.
- 7.Understands processes of fisheries, sericulture, along with crop pest management techniques
8. Students gain knowledge about various disease related vectors and their impact on human
9. Understands concepts of apiculture, poultry, dairy along with tissue and cell culture techniques
- 10.The students will be able to acquire complete knowledge of disciplinary as well as allied biological sciences.
- 11.Students will be able to define and explain major concepts in the biological sciences. They are able to correctly use biological instrumentation and proper laboratory techniques.

12. The students will be able to recognize and demonstrate and apply the fundamental knowledge of the basic principles of major fields of Zoology; Apply knowledge to solve the issues related to animal sciences

13. Take appropriate steps towards conservation of endemic and endangered animal species

14. To foster curiosity in the students for Zoology to create awareness amongst students for the basic and applied areas of Zoology for skill development.

15. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

16. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

17. The students will learn about developmental biology and ecological aspect of living things for their growth and existence.

18. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology