

DEPARTMENT OF ZOOLOGY

Programme objectives of B.Sc Zoology

The primary objective of the department is to impart quality education in the subject of Zoology as a basic science and its applied branches to the students from rural Telangana

1. To facilitate Higher education & research in Zoology
2. To provide quality education offering skill based programs and motivate the students for self employment in applied branches of Zoology
3. To inculcate the value based education and entrepreneurial skills among the students.
4. To Inculcate the spirit of resource conservation and love for nature.
5. To conduct field studies and different projects of local and global interests.
6. To provides opportunities for professional and personal development through curricular and co- curricular activities.
7. Provide consultancy and organize extension activities.

Programme Specific Outcomes:

Conducting educational tool to give an exposure to the students by visiting animal park dairy industry sericulture fisheries poultry farms Exeter Motivational students to conduct the seminars workshops on the topics included in the curriculum help them in achieving academic excellence providing me providing A comprehensive training in theoretical and tactical geology an environmental biology to the students students are equipped with adequate practical skills that will enable them function productively in society producing leadership Science and technology sensitizing human society and animal welfare conservation and protection of biodiversit. Creating awareness of IUCN conservation of wild life. Developing interest in Research.

LEARNING OUTCOME: :

<i>S.No</i>	<i>Semester</i>	<i>Course</i>	<i>Credits</i>	<i>Course Outcomes</i>
SEMESTER-1	<i>Animal Diversity - Invertebrates</i>	<i>MBZ C&B. Z.C</i>	4	Students can understand the concept of zoology. Able to know the basic classification. They can able to know the diversity of lower invertebrates. Get an idea about importance and significance of invertebrates
SEMESTER-2	Animal Diversity - Vertebrates	<i>B.Z.C .&M BZC</i>	4	In this semester students can understand how the animal kingdom revolutionized from lower invertebrates to higher vertebrates. They can able to know the diversity of vertebrates. Get an idea about importance and significance of vertebrates
SEMESTER-3	Animal Physiology And Animal Behavior	<i>B.Z.C .&M BZC</i>	4	Animal Physiology is the same scientific study of the life supporting properties functions and processes of the animals and their parts the discipline covers key homeostatic processes such as regulation of temperature blood flow and Hormones. And also inculcated with the behavior of animals.

SEMESTER-4	Cell Biology, Molecular Biology, Genetics, Developmental Biology	<i>B.Z.C &MB ZC</i>	4	<i>In This course</i> explains the role of compartmentalization and signaling in cellular biology. students will get understanding about different types of genes in their molecular level. They will learn about inheritance and types of RNA and types of DNA. Linkage inheritance. And also explore their knowledge toward the development of an organism.
SEMISTER-5	Immunology And Animal Biotechnology	<i>BZC & MZC</i>	4	Study of immunology enable student to understand how the immune system works and how we can optimize its function student learn about the different types of immune cells how they work together to fight infection. Animal biotechnology helps to create an advanced look into stem cells biology animal cell culture genetic engineering

SEMISTER_6	Ecology, Evolution And	<i>BZC & MZC</i>	4	Study of ecology is helps to understand the ecosystem and improve quality in ecosystem. Helps to learn Ecological cycles an accumulation of pollutants in an environment. Evolution helps to understand the link
------------	------------------------	----------------------	---	--

	Zoo-geography			between environment and evolution. How the environment favors the existence of an organism. Zoo-geography to understand the diversity of different Animals at different geographical area .
--	---------------	--	--	---