Programme Specific Outcome: B.Sc. Honours (Zoology) and Minor (under CCFUP, 2023)

The purpose of the undergraduate Zoology program is to provide the key knowledge base and laboratory resources to prepare students for careers as professionals in the field of Zoology.

Students will have a firm foundation in the fundamentals and application of knowledge about animal kingdom, emphasizing their phylogenetic relationship and simple to complex mode of animal life.

Students will be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.

Students will be able to clearly communicate the results of scientific work in oral, written and electronic formats.

Students will be able to explore new areas of research in both Zoology and allied fields of science and technology.

Students will appreciate the central role of Zoology in our society and use this as a basis for ethical behavior. To enrich knowledge through programmes such as Sanctuary, National Park, Biosphere Reserve visits, projects etc.

Students will be able to explain why Zoology is an integral activity for addressing social, economic, and environmental problems.

Finally, and other areas they will be sufficiently trained to get employment in Govt. sector, non-Govt. sector in botanical gardens, forest officer, herpetologists.

Course Outcome: B.Sc. Honours (ZOOLOGY) & Minor

Course Code	Course Name	Course Outcome
ZOOHMJ-1	MJ1T MJ1P Systematics and diversity od life protists to chordates	The course compares various non-chordate taxa in great detail. It also highlights how the complexity of structure and function increases along the taxonomic hierarchy. Thus, the course provides an overview of the complex life processes and adaptive radiations of non-chordates. Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/ cladistics tree.
ZOOHMJ-2	MJ2T MJ2P Cell Biology	The course provides a detailed insight into basic concepts of cellular structure and function. It also gives an account of the complex regulatory mechanisms that control cell function. Develop an understanding how cells work in healthy and diseased states and to give a ‘health forecast’ by analyzing the genetic database and cell information.
ZOOSEC01	SEC1P Apiculture	Honey bees are now looked upon for production of honey, bee wax and other valuable products which have a remarkable market demand. So, beekeeping would provide an adequate knowledge to establish a sustainable beekeeping cottage industry and development of entrepreneurship in this sector.
ZOOSEC02	SEC2P Aquarium Fish Keeping	The course provides practical knowledge for sustainable ornamental fish farming and will guide them to establish a large-scale aquarium fish farm as a cottage industry and to develop entrepreneurship in fish sector
ZOOMI01	MI-1T MI-1P Diversity of Life-Protists to Chordates	The course has been framed for the Bachelor’s entrant through the amazing diversity of animal world with a germy towards living form’s complexity. It enlightens how each group of organisms evolved and how did they establish themselves in the environment with their special characteristic features. It also deals with the similarities and dissimilarities between organisms on the basis of their morphology and anatomy which led to their proper placement into taxa and clades.
ZOOMI02	MI-2T MI-2P Insect, vector and Disease	The course provides an insight into the common vector-borne diseases, their etiology, role of vectors in their spread, host- parasite relationship and finally the strategies to manage these vectors.