

# POSTGRADUATE PROGRAMME SPECIFIC OUTCOMES

## Name of the Programme: M.Sc. Zoology

PSO1	After successfully completing the M.Sc. Zoology program students will be able to: Zoology knowledge: Apply the knowledge of Zoology, Life Sciences and allied subjects to the understanding of complex life processes and phenomena.
PSO2	Problem analysis: Identify, review research literature, and analyse complex situations of living forms.
PSO3	Design/development of solutions: Design processes/strategies that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PSO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in real situations.
PSO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and ICT tools for understanding of the subject.
PSO6	The Postgraduate and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PSO7	Environment and sustainability: Understand the impact of the natural and anthropogenic activities in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. Identify a range of invertebrates and vertebrates and justify their conservation.
PSO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the work/research practice.
PSO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

<b>PSO10</b>	Communication: Communicate effectively on complex life activities with the scientific community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
<b>PSO11</b>	Project management and finance: Demonstrate knowledge and understanding of Zoology and management principles and apply these to one's own work, as a member and leader in a team.
<b>PSO12</b>	Life-long learning: 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.