

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous),
Shivajinagar, Pune – 411005

Department of Zoology

Program Specific Outcomes (PSOs)

Program : M.Sc. Zoology

After successful completion of M.Sc. Zoology Program, the student will be able to:

PSO No.	Program Specific Outcomes
PSO1	Knowledge or Academic Expertise: <ol style="list-style-type: none">i. Acquiring academic expertise by extending the knowledge of the subject and pursuing lectureship or being research fellow.ii. Apply the knowledge and skills of animal systematics, taxonomy, ecology and biodiversity to start their career as medical entomologists, pest control consultants and advisors, ecological and environmental consultants, agricultural entomologists, zookeepers, museum curators, forensic entomologists, toxicologist and conservationists.
PSO2	Inquisitive learner or Involved in Life Long learning : <ol style="list-style-type: none">i. Developing a holistic approach regarding how the life develops and evolves.
PSO3	Social competence: <ol style="list-style-type: none">i. Nurturing rational thinking and respect for life and nature would facilitate social adaptation.ii. Involving in extension activities would enhance leadership qualities and team building.
PSO4	Effective Communication : <ol style="list-style-type: none">i. Communicating scientifically correct, plagiarism-free explanations to raised research questions.ii. Develop skills in verbal as well as written communication.
PSO5	Environmental awareness : <ol style="list-style-type: none">i. Understand and use the knowledge of ecological interactions and habitat diversity in the field of Conservation Biology, Anthropology and Evolutionary studies.
PvO6	Digital competence : <ol style="list-style-type: none">i. Use tools and techniques of biotechnology, bioinformatics and biostatistics in the field of modern biology to design research experiments, gene annotations and to collect and analyse biological data sets.
PSO7	Experiential Learning :

	<ul style="list-style-type: none"> i. Use the practical knowledge of entomology, physiology, anatomy, developmental biology and basic zoology in various applied fields like public health and veterinary sciences, pest control management, habitat survey and behavioural ecology.
PSO8	Ethical values : <ul style="list-style-type: none"> i. Nurturing conservation values towards the smallest of the life forms. Opting for plagiarism-free work ethics while publishing any scientific work.
PSO9	Individuality and Teamwork or Interdisciplinary Studies: <ul style="list-style-type: none"> i. Start new business, become self-employed or entrepreneurs using interdisciplinary knowledge. ii. Building a team of like-minded professionals of the field working towards the same goal.
PSO10	Research and problem solving competence : <ul style="list-style-type: none"> i. Developing the ability to address different research problems and answering them objectively. ii. Using the advanced interdisciplinary approach for research. Find scope in industries and commercial activities employing Life Sciences.
PSO11	Stress management : <ul style="list-style-type: none"> i. In addition to the theory and practical courses, institutional visits, research projects, summer training would involve active participation, thus helping to relieve stress.
PSO12	Extramural Skills : <ul style="list-style-type: none"> i. Designing of workshops and hands-on courses introducing the techniques and applications of Zoology related to conservation, biodiversity, microscopy, animal tissue culture, and molecular biology techniques.