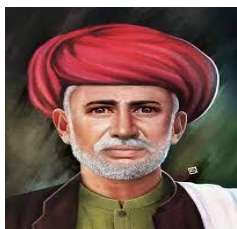


**Rayat Shikshan Sanstha's  
Mahatma Phule Mahavidyalaya, Pimpri, Pune -17.  
Department of Zoology  
Program outcomes (PO)**

| <b>Name of the Department</b> | <b>Program specific outcome</b>  |
|-------------------------------|--|
| <b>Zoology</b>                | <ul style="list-style-type: none"><li>➤ <b>PO 1:</b> Explain, evaluate and effectively interpret factual claims, theories and assumptions in the students discipline i.e. Zoology, Chemistry, Microbiology, Botany and more broadly in the science and life.</li><li>➤ <b>PO 2:</b> Find, access, critically evaluate and ethically use information.</li><li>➤ <b>PO 3:</b> Integrate quantitative and qualitative information to reach defensible and creative conclusions.</li><li>➤ <b>PO 4:</b> Communicate effectively through writing speech and visual information to the scientific community and to the community at large.</li><li>➤ <b>PO 5:</b> Respectfully articulate the views of people with diverse perspectives</li><li>➤ <b>PO 6:</b> Demonstrate the capability to work both independently and in cooperation with others.</li><li>➤ <b>PO 7:</b> Apply concepts of sustainability to the analysis of one of the more major challenges facing human &amp; earth's resources.</li></ul> |



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**Program Specific Outcomes (PSO)**

- **PSO 1:** Students will be able to present scientific hypothesis and data, orally and in writing in the formats that are used by practicing scientists.
- **PSO 2:** Students will be able to apply the scientific method to question in zoology by formulating testable hypothesis.
- **PSO 3:** Students will be able to access the primary literature, identify relevant works for a particular topic and evaluate the scientific content of this work.
- **PSO 4:** Students should be able to apply fundamental mathematical tools (Statistics and Calculus) and physical principles (Physics and chemistry) to the analysis of relevant biological situations.
- **PSO 5:** Students should be able to identify, compare and contrast the characteristics of animals to differentiate them from other life forms.
- **PSO 6:** Students should be able to use comparative anatomy to study evolution
- **PSO 7:** Students should be able to explain gene, genome, cell biology, tissue, organs and systems.

- **PSO 8:** Students also able to explain physiological and developmental aspects of organism.
  
- **PSO 9:** Students are able to explicate the ecological interconnections of the life on the earth by tracing energy and nutrient flow through the environment.
  
- **PSO 10:** Students will be able to demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.
  
- **PSO 11:** Students will be able to apply Zoology to day to day life and enhance life & business.