



SHIKSHANMAHARSHIDR.D.Y.PATILSHIKSHANSANSTHA'S
DR.D.Y.PATIL
COLLEGE OF COMPUTER & BUSINESS STUDIES
(Affiliated to Savitribai Phule Pune University)
AISHE CODE: C-41976 PUN CODE: CAAP014520

Program Outcomes (PO)
FY & SY B.Sc 2019 Pattern

Name of the Department	Program specific outcome
Zoology	<ul style="list-style-type: none">➤ PO 1: 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.➤ PO 2: Find, access, critically evaluate and ethically use information.➤ PO 3: Integrate quantitative and qualitative information to reach defensible and creative conclusions.➤ PO 4: Communicate effectively through writing speech and visual information to the scientific community and to the community at large.➤ PO 5: Respectfully articulate the views of people with diverse perspectives➤ PO 6: Demonstrate the capability to work both independently and in cooperation with others.➤ PO 7: Apply concepts of sustainability to the analysis of one of the more major challenges facing human & earth's resources.



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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 a 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.



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- **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.