



NAAC PEER TEAM

Department of Zoology,

B.P.H.E. Society's

Ahmednagar College,

Ahmednagar.

Criterion - I

About Ahmednagar College

- B.P.H.E. Society's **Ahmednagar College**, Ahmednagar; **established in 1947** and since then it progressing by following the **3 mottos**:
- “Ye shall know the Truth”
- “Not Things but Men”
- “I Dare you”

About Department of Zoology

- **Department of Zoology** was **established in 1947** beginning with **UG** courses and since **1970** with **PG** courses.
- **Only Grant-in-Aid** Department affiliated to S.P.P. University.
- **09** highly qualified & competent **Faculty** with SET/NET/GATE/Ph.D.
- **M.Sc. Zoology** course with **specialization** in **Entomology**.

About Research Centre in Zoology

- **Recognition** by **University of Pune** since the year **2000**.
- Presently **09 students** are **registered for Ph.D.**
- **04 in-house Ph.D. Guides** and **02 affiliated Ph.D. Guides**.
- **Research areas:** Animal Diversity, Entomology, Animal Physiology, Immunology, Reproductive Biology, Fisheries, Helminthology, Biochemistry, Molecular Biology, etc.

About the Students

- **09** students have cleared **NET** in Life sciences; **08** have cleared **SET**; and **02** have cleared **GATE** exam since 2018.
- **Student facilities:**
 - **Library** – **1497 Reference books**
 - **03 Classrooms, 03 Laboratories, 01 Research Laboratory & 01 Seminar Hall**
 - Delivery of **PowerPoint Lectures** to **T.Y.B.Sc. & M.Sc. students**

Criterion - II

- **Pattern: Choice-based Credit System (CBCS) for UG & PG**
- **Teaching-Learning Practices:**
- **Experiential learning** – Scientific Experiments
– Field Work
- **Participative learning** – Group Discussions
– Science Projects
– Seminars
- **Problem-solving methodologies** – PG Research Projects resulting in
– M.Sc. Dissertation
– Survey studies

Criterion - III

- **M.Sc. Dissertations: 71 PG Research Projects**
- **Publications of Faculty:**
 - **Research Papers published: 28**
 - **Research Papers presented in Seminars/ Conferences: 15**
 - **Books Published: 02**
 - **Book Chapters published: 03**
- **Seminars/Conferences/Workshops participated by Faculty: 27**
- **Invited Talks as Resource Person: 10**
- **Life Memberships of Scientific Societies: 02**
- **Gratis Membership with SWS: 01 (Dr. Avinash Vanjare)**
- **Research Project funded: Dr. Avinash Vanjare (Co-Prin. Investigator)**

Criterion - IV

- **Computer** with High-speed **Internet (Wi Fi) Facility: 01**
- **Printer-cum-Scanner-cum-Copier** (Laserjet): **01**
- **Teaching Aids:**
 - **Scientific Equipment:** as required for Lab. Exercises
 - **Models: 20**
 - **Slides: 310**
 - **Animal Specimen: 224**
- **Lecture PPTs: 377**
- **Departmental Library** Reference Books: **1497**
- **Research Laboratory Details:**
 - **Dr. Balraj Khobragade** – Fisheries, Faunal diversity
 - **Dr. Gajanan Pande** – Malacology, Biodiversity
 - **Dr. Ivan Aranha** – Reproductive physiology, Endocrinology, Immunology
 - **Dr. Avinash Vanjare** – Freshwater invertebrate biodiversity
 - The laboratory is well equipped with **Compound and Stereo-microscope** attached with **digital cameras**.
 - **Equipment** for noting **environmental parameters** are available.

Criterion - V

- **Students qualified in Competitive Exams:-**
 - **NET** (Life sciences) qualified students: **09**
 - **SET** qualified students: **08**
 - **GATE** qualified students: **02**
- **Career Counselling:** By **Dr. Dnyaneshwar Waghchoure** (Chairman, Ashwamedh Group of Industries, Kopargaon);
Mr. Mangesh Mahale (Progressive Agriculturist)
- **Placements:** **02** in **Ashwamedh Group of Industries, Kopargaon.**
- **Training:** **Lepidoptera Setting Techniques** by **Dr. Jatishwor Irungbam** (Czech Republic)
- **Prominent Alumni:** **19**
- **Alumni Meet:** **17th April 2023**
- **Parent-Teacher Meet:** **15th February 2023** (25 Parents participated)
- **Sport activity:** **25th March 2023** (T.Y.B.Sc., M.Sc. I & M.Sc. II students)
- **National Cadet Corps (NCC):** **01**

Criterion - VI

- **Academic & Administrative Audit** done for following years:
 - 2018-19
 - 2019-20
 - 2020-21
 - 2021-22
 - 2022-23
- **Faculty participation** in:
 - Orientation Course: 02
 - Refresher Course: 05
 - Faculty Development Programme: 04
 - Short-Term Course: 04

Criterion – VII

- The **Vermicomposting Unit** with shed consists of two RCC composting pits:
(Length: 12 feet, Width: 5 ½ feet, Height: 2 feet)
- **Vermicomposting** of **organic waste** in the form of leaf litter, green waste, kitchen waste, etc. from the College campus is carried out **resulting** in a **compost** which is then **applied** to College **Garden plants** as a rich biofertiliser.
- **Butterfly Garden**
- **Butterfly host plants**/ saplings are planted. A new **lawn** is set up. An **artificial pond** provides water to many insects, birds and it will also be a breeding ground for many aquatic insects, amphibians, etc.



SWOC of Department of Zoology

Strengths:

- Only Grant-in-Aid Department
- Well qualified and experienced Staff/Faculty
- Offer UG to Ph.D. Programmes
- Student Diversity (North-East)
- Departmental Library with 1497 Text and Reference Books

Weaknesses:

- Insufficient space for Teachers and Students
- Lack of funded Research Projects

Opportunities:

- To increase number of research publications in reputed journals
- To encourage Faculty to receive funded Projects
- To offer placement drive for PG students
- To initiate MoUs with reputed research institutions

Challenges:

- Maintenance of student strength
- Need for permanent Faculty

Future Plans

- To initiate **Skill-based Certificate Courses in Applied Zoology:**
 - Aquaculture
 - Beekeeping
 - Poultry farming
- To encourage more **P.G. students to:**
 - Join Ph.D. programme
 - Publish their original P.G. Research Project work
 - Appear for Competitive Exams
- To initiate **special counselling for P.G. students for Competitive Exams (NET, SET, GATE, etc.)**
- To **upgrade Facilities of Research Centre in Zoology**

Respected **NAAC Peer Team Members**



Thank
you