



Anekant Education Society's

**Tuljaram Chaturchand College  
of Arts, Science, Commerce, Baramati  
(Autonomous)**

**DEPARTMENT OF ZOOLOGY**

(Faculty of Science and Technology)

**Minutes of Board of Studies Meeting No.11**

**Date of Meeting: 11/03/2024**

**Venue: Department of Zoology**

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**March, 2024**

**Anekant Education Society's**  
**Tuljaram Chaturchand College, Baramati**  
**(Autonomous)**  
**Department of Zoology**  
**List of BoS Members**

The following internal and external BoS members attended the Board of Studies (Zoology) meeting through offline / online mode held on 11<sup>th</sup> March, 2024.

Sr. No.	Name of Member	Designation
1.	<b>Mr. Sandip P. Chordiya</b> Assistant Professor, Department of Zoology, T. C. College, Baramati	Chairman
2.	<b>Dr. Vitthal B. Nale</b> Assistant Professor, Department of Zoology, T. C. College, Baramati	Internal Member
3.	<b>Dr. Deepali M. Sangale</b> Assistant Professor, P.G. Coordinator, Department of Zoology, T. C. College, Baramati	Internal Member
4.	<b>Dr. S. N. Pokale,</b> Professor, New Arts, Commerce & Science College, Ahmednagar.	External Member
5.	<b>Dr. S. K. Gaikwad</b> Associate Professor, Bharati Vidyapeeth, Pune	External Member
6	<b>Dr. G. D. Khedkar</b> <b>Dr. B. A. M. University, Aurangabad</b>	External Member
	<b>Dr. Yogesh A. Karpe</b> <b>ARI, Agharkar Road, Pune</b>	External Member
6.	<b>Mr. Kishor U. More</b> Assistant Professor, Department of Zoology, T. C. College, Baramati	Internal Invitee Member
7.	<b>Mr. Mayur S. Shitole</b> Assistant Professor, Department of Zoology, T. C. College, Baramati	Internal Invitee Member
8.	<b>Ms. Sana J. Sayyad, (TYBSc)</b>	UG Student
9.	<b>Mr. Subodh Nikam, (TYBSc)</b>	UG Student

## **AGENDA OF THE MEETING**

All members of the BoS in Zoology are hereby informed that as per the college notice (No. 471, dt. 27/02/2024) the BoS meeting has been arranged on Monday, 11<sup>th</sup> March 2024; at 11:00 am in the department of Zoology. All are requested to attend the same.

1. To confirm the minutes of the previous meeting held on 20<sup>th</sup> October 2023
2. To design and approve curriculum of T.Y.B.Sc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.
3. To approve & finalize the credit structure for SYBSc & M.Sc.-II as per the credit framework of NEP-2020
4. To design and approve curriculum of S.Y.B.Sc. Semester III (2023 pattern as per NEP-2020) to be implemented from the academic year 2024-2025.
5. To design and approve curriculum of M.Sc.- II Semester III (2023 pattern as per NEP-2020) to be implemented from the academic year 2024-2025.
6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
7. To discuss and approve the amendments (if any) in the syllabi of F.Y.B.Sc. & M.Sc.-I (2023 pattern as per NEP-2020)
8. Any other issue with the permission of the chair.



Chairman,  
BoS in Zoology





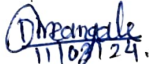

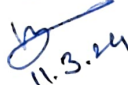
**TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE & COMMERCE,  
BARAMATI  
AUTONOMOUS INSTITUTE  
DEPARTMENT OF ZOOLOGY**

11<sup>th</sup> March 2024



## Minutes of the meeting

Meeting of Board of Studies (BoS) in Zoology was held on 20<sup>th</sup> October 2023; in Department of Zoology.

Following members were present for the meeting:

- |                       |           |   |
|-----------------------|-----------|---|
| 1. Dr. S. P. Chordiya | Chairman  |   |
| 2. Dr. G. D. Khedkar  | Member    | (Attended in online mode)   |
| 3. Dr. S. N. Pokale   | Member    | (Attended in online mode)   |
| 4. Dr. S. K. Gaikwad  | Member    |    |
| 5. Dr. Y. A. Karpe    | Member    |   |
| 6. Mr. B. B. Jagtap   | Member    | (Attended in online mode) <del>Absent</del>   |
| 7. Dr. V. B. Nale     | Member    |  |
| 8. Dr. D. M. Sangale  | Member    |  |
| 9. Mr. K. U. More     | (Invitee) |  |
| 10. Mr. M. S. Shitole | (Invitee) |  |

Following student representatives were present for the meeting

- |                                    |   |
|------------------------------------|---|
| 1. Ms. Sana Sayyad (M.Sc.) Invited |  |
| 2. Mr. Subodh Nikam (M.Sc.)        |  |

Agenda of the meeting was

- To confirm the minutes of the previous meeting held on 20<sup>th</sup> October 2023
- To design and approve curriculum of T.Y.B.Sc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.
- To approve & finalize the credit structure for SYBSc & M.Sc.-II as per the credit framework of NEP-2020 to be implemented from the academic year 2024-25.
- To design and approve curriculum of S.Y.B.Sc. Semester III (2023 pattern as per NEP-2020) to be implemented from the academic year 2024-2025.

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5. To design and approve curriculum of M.Sc.- II Semester III (2023 pattern as per NEP-2020) to be implemented from the academic year 2024-2025.
6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
7. To discuss and approve the amendments (if any) in the syllabi of F.Y.B.Sc. & M.Sc.-I (2023 pattern as per NEP-2020)
8. Any other issue with the permission of the chair.

As per the Notice No. 471, dt. 27/02/2024 issued by the college, the meeting of Board of Studies in Zoology was held in mixed mode on 11<sup>th</sup> March, 2024 at 11:00 am in the Department of Zoology, T. C. College, Baramati. The meeting was conducted as per the guidelines and protocols set by the academic council of the college. The meeting commenced with a warm welcome to all the esteemed members by Dr. S. P. Chordiya, Chairman of the Board of Studies in Zoology, followed by a brief introduction of the meeting's agenda.

During the meeting, fruitful discussions were held on the issues mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BoS meeting.

1. **To confirm the minutes of the BoS meeting held on 20<sup>th</sup> October, 2023.**  
**Resolution #01:** The minutes of the previous Board of Studies meeting were **confirmed and approved.**
2. **To design and approve curriculum of T.Y.B.Sc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.**  
**Resolution #02:** The board carefully designed and deliberated upon the curriculum of TYBSc Semester-V (2022 pattern) and was unanimously accepted for implementation from the academic year 2024-25. Curricula of following courses were finalised.

Sr. No.	Code	Paper	Paper Title	Credit	Exam	Marks
1	USZL 351	Theory	Animal Systematics and Diversity – V	3	I / E	40 + 60
2	USZL 352	Theory	Mammalian Histology	3	I / E	40 + 60
3	USZL 353	Theory	Biochemistry	3	I / E	40 + 60
4	USZL 354	Theory	Environmental Biology & Toxicology	3	I / E	40 + 60
5	USZL 355	Theory	Parasitology	3	I / E	40 + 60
6	USZL 356	Theory	A] Cell Biology or B] General Pathology	3	I / E	40 + 60
7	USZL 357	Practical	Zoology Practical-V (based on USZL 351, USZL 352)	2	I / E	40 + 60
8	USZL 358	Practical	Zoology Practical -VI (based on USZL 353, USZL 354)	2	I / E	40 + 60
9	USZL 359	Practical	Zoology Practical -VII (based on USZL 355, USZL 356)	2	I / E	40 + 60

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Syllabi of the abovementioned courses were considered and approved unanimously.

3. To consider and approve the course & credit structure of the second year UG and PG (Sem-III & IV) as per the guidelines of NEP 2020.

**Resolution #03:** The BoS has discussed the course structure of the S.Y.B.Sc. and M.Sc. (Sem-III & IV) as per the NEP 2020 credit structure guidelines. All BoS members unanimously finalized the course & credit structure. After careful consideration and thorough discussion, the final course & credit structure has been determined, ensuring compliance with the NEP 2020.

Considered and approved as mentioned in the following table.....

S.Y.B.Sc. Course & credit structure as per NEP-2020 (2023 pattern)					
Sem	Course Category	Course Code	Course Title	Theory / Practical	Credits
III	Major mandatory	ZOO-201-MJM	Animal Systematics & Diversity-III	T	2
	Major mandatory	ZOO-202-MJM	Applied Zoology-I	T	2
	Major mandatory	ZOO-203-MJM	Ecology	T	2
	Major mandatory	ZOO-204-MJM	Zoology Practical-III	P	2
	Minor	ZOO-211-MN	Sericulture	T	2
	Minor	ZOO-212-MN	Sericulture Lab	P	2
	Open Elective	ZOO-216-OE	मधमाशा पालन	T	2
	Vocational Skill Course (VEC)	ZOO-221-VSC	Toxicology	T	2
	Ability Enhancement Course (AEC)	MAR/HIN/SAN-231-AEC	भाषिक उपयोजन व लेखन कौशल्ये हिंदी भाषा कौशल प्राथमिक संभाषणकौशल्यम्	T	2
	Field Project	ZOO-235-FP	Field Project	P	2
	Co-curricular course (CC)	YOG/PES/CUL/NSS/NCC-239-CC	To be selected from basket	T	2
	Generic IKS	GEN-245-IKS	General IKS	T	2
<b>Total Credits (Semester-III)</b>					<b>24</b>
IV	Major mandatory	ZOO-251-MJM	Animal Systematics & Diversity-IV	T	2
	Major mandatory	ZOO-252-MJM	Applied Zoology- II	T	2
	Major mandatory	ZOO-253-MJM	Environmental Biology	T	2
	Major mandatory	ZOO-254-MJM	Zoology Practical-IV	P	2
	Minor	ZOO-261-MN	Dairy Science	T	2
	Minor	ZOO-262-MN	Dairy Science Lab	P	2
	Open Elective	ZOO-266-OE	मधमाशा पालन प्रात्यक्षिक	T	2
	Skill Enhancement Course (SEC)	ZOO-276-SEC	Toxicology Lab	P	2
	Ability Enhancement Course (AEC)	MAR/HIN/SAN-281-AEC	लेखन निर्मिती व परीक्षण कौशल्ये हिंदी भाषा संप्रेषण कौशल्ये प्रगत संभाषणकौशल्यम्	T	2
Community Engagement Project	ZOO-285-CEP	Community Engagement Project	P	2	

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	Co-curricular course (CC)	YOG/PES/CUL/N SS/NCC-289-CC	To be selected from basket	T	2
<b>Total Credits (Semester-IV)</b>					<b>22</b>
<b>Cumulative Credits- Semester III + IV</b>					<b>46</b>

<b>Course &amp; Credit Structure for M.Sc. (2023 Pattern as per NEP-2020)</b>					
Sem	Course Category	Course Code	Course Title	Theory / Practical	Credits
III	Major mandatory	ZOO-601-MJM	Histology, Histo-chemistry & Reproductive Physiology of Mammals	T	4
	Major mandatory	ZOO-602-MJM	Systematics & Economic Zoology	T	4
	Major mandatory	ZOO-603-MJM	Zoology Practical-V	P	2
	Major mandatory	ZOO-604-MJM	Zoology Practical-VI	P	2
	Major Elective	ZOO-611-MJE (A)	Ichthyology	T	2
		ZOO-611-MJE (B)	Comparative Animal Physiology	T	2
	Major Elective	ZOO-612-MJE (A)	Ichthyology Lab	P	2
	Major Elective	ZOO-612-MJE (B)	Comparative Animal Physiology Lab	P	2
	Research project	ZOO-621-RP	Research Project	P	4
<b>Total Credits (Semester-III):</b>					<b>20</b>
IV	Major mandatory	ZOO-651-MJM	Parasitology & Immunology	T	4
	Major mandatory	ZOO-652-MJM	Physiology, Biochemistry & Ecology of Insects	T	4
	Major mandatory	ZOO-653-MJM	Zoology Practical-VII	T	2
	Major Elective	ZOO-661-MJE (A)	Entomology-II	T	2
		ZOO-661-MJE (B)	Animal Physiology-II	T	2
		ZOO-661-MJE (C)	Genetics-II	T	2
	Major Elective	ZOO-662-MJE (A)	Entomology-II Lab	P	2
		ZOO-662-MJE (B)	Animal Physiology-II Lab	P	2
		ZOO-662-MJE (C)	Genetics-II Lab	P	2
	Research Project	ZOO-681-RP	Research Project	P	6
<b>Total Credits (Semester-IV)</b>					<b>20</b>
<b>Cumulative Credits (Semester-III &amp; IV)</b>					<b>40</b>

**4. To design and approve curriculum of S.Y.B.Sc. Semester III (2023 pattern as per NEP-2020) to be implemented from the academic year 2024-2025.**

**Resolution #04:** The board carefully designed and deliberated upon the curriculum of S.Y.B.Sc. Semester III (2023 pattern), in accordance with the guidelines of the National Education Policy (NEP) 2020, for implementation from the academic year 2024-2025. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus of the courses

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mentioned in the following table....

S.Y. B.Sc. (Sem-III) as per NEP 2023 pattern					
Sem	Course Category	Course Code	Course Title	Theory / Practical	Credits
III	Major mandatory	ZOO-201-MJM	Animal Systematics & Diversity-III	T	2
	Major mandatory	ZOO-202-MJM	Applied Zoology-I	T	2
	Major mandatory	ZOO-203-MJM	Ecology	T	2
	Major mandatory	ZOO-204-MJM	Zoology Practical-III	P	2
	Minor	ZOO-211-MN	Sericulture	T	2
	Minor	ZOO-212-MN	Sericulture Lab	P	2
	Open Elective	ZOO-216-OE	मधमाशा पालन	T	2
	Vocational Skill Course (VEC)	ZOO-221-VSC	Toxicology	T	2
	Field Project	ZOO-235-FP	Field Project	P	2

Considered and approved as mentioned in the above table.

5. To design and approve curriculum of M.Sc.- II Semester III (2023 pattern as per NEP-2020) to be implemented from the academic year 2024-2025.

Resolution #05: The board carefully designed and deliberated upon the curriculum of M.Sc. Semester III (2023 pattern), in accordance with the guidelines of the National Education Policy (NEP) 2020, for implementation from the academic year 2024-2025. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus of the courses mentioned in the following table....

Sem	Course Category	Course Code	Course Title	Theory / Practical	Credits
III	Major mandatory	ZOO-601-MJM	Histology, Histo-chemistry & Reproductive Physiology of Mammals	T	4
	Major mandatory	ZOO-602-MJM	Systematics & Economic Zoology	T	4
	Major mandatory	ZOO-603-MJM	Zoology Practical-V	P	2
	Major mandatory	ZOO-604-MJM	Zoology Practical-VI	P	2
	Major Elective	ZOO-611-MJE (A)	Ichthyology	T	2
		ZOO-611-MJE (B)	Comparative Animal Physiology	T	2
	Major Elective	ZOO-612-MJE (A)	Ichthyology Lab	P	2
	Major Elective	ZOO-612-MJE (B)	Comparative Animal Physiology Lab	P	2
	Research project	ZOO-621-RP	Research Project	P	4
<b>Total Credits (Semester-III):</b>					<b>20</b>

Considered and approved as mentioned in the above table.

6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.



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**Resolution #06:** The Chairman initiated the discussion by highlighting the importance of incorporating feedback from stakeholders in the syllabus designing process. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BoS members reviewed the feedback and suggestions given by the stakeholders and incorporated the relevant suggestions into the curriculum of S.Y.B.Sc., T.Y.B.Sc., and M.Sc. Zoology.  
**Considered and approved.**

7. **To discuss and approve the amendments (if any) in the syllabi of F.Y.B.Sc. & M.Sc.-I (2023 pattern as per NEP-2020)**

**Resolution #07:**

- Amendments were deliberated and unanimously accepted in the following courses: ZOO-521-RM, and ZOO-511-MJE (C) Biological techniques.
- From the course structure of M.Sc.-I (Sem-I) of NEP 2023 pattern, Major Elective course (ZOO-511-MJE (A) Freshwater Zoology & Ichthyology) was removed. This amendment was proposed by Dr. Sangale and was accepted unanimously.

**Considered and approved all the amendments.**

8. **Any other issue with the permission of Chair.**  
There had not been any incidental issue.

The meeting of BoS in Zoology was concluded with the vote of thanks by Dr. Vitthal B. Nale.

Chairman,  
BoS, Zoology  
(Dr. S. P. Chordiya)

**Head**

Department of Zoology  
Tuljaram Chaturchand College  
Baramati-413102 Dist Pune(M.S.)

Dean, Science  
Faculty  
Prof. Dr. V. C. Kakade

IQAC  
Coordinator  
Prof. Dr. Mrs. Y. A. Mulay  
**Coordinator**

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Tuljaram Chaturchand College of  
Arts, Science and Commerce,  
Baramati (Pune)-413102

Principal  
Prof. Dr. A. S. Jagtap  
**Principal**  
Tuljaram Chaturchand College  
Baramati

