



Anekant Education Society's

**Tuljaram Chaturchand College
of Arts, Science, Commerce, Baramati**

(Autonomous)

**DEPARTMENT OF
ENVIRONMENTAL SCIENCE**

(Faculty of Science and Technology)

Minutes of Board of Studies Meeting No.10

Date of Meeting: 11/03/2024

Venue: Department of Environmental Science

March, 2024

List of Members Presented for the BOS Meeting

The following internal and external BOS members were attended the Board of Studies (Environmental Science) meeting through online/offline mode held on 11th March, 2024.

Sr.No.	Name of Member	Designation
1.	Ms. Surashri S. Sonawane Head & Assistant Professor, Department of Environmental Science, T. C. College, Baramati.	Chairman
2.	Prof. Dr. AjitTelave Associate Professor , Department of Botany, T. C. College, Baramati	Internal Member
3.	Dr. VitthalNale Assistant Professor, Department of Zoology, T. C. College, Baramati	Internal Member
4.	Dr. Yogesh Indulkar Assistant Professor, Department of Chemistry, T. C. College, Baramati	Internal Member
5.	Prof. Dr. Arun Magar Head & Associate Professor, Department of Geography , T. C. College, Baramati	Internal Member
6.	Prof. Dr. Neeta Dhane Associate Professor, Department of Statistics, T. C. College, Baramati	Internal Member
7.	Mr. Abhijit More Assistant Professor, Department of Environmental Science, T. C. College, Baramati	Internal Member
8.	Ms. Neeta Sarode Research Scholar, Department of Environmental Science, New Arts, Commerce and Science College Ahmednagar,	Ph.D. Scholar
9.	Dr. Rupali Gaikwad Head & Assistant Professor, Department of Environmental Science, Fergusson College, Pune, 411004.	Expert from SPPU
10.	Dr. Rachana Ingavale SIBER, Kolhapur, 416004	Expert from other University
11.	Dr. Asawari Jadhav Head & Assistant Professor, Department of Environmental Science, Shivaji University, Kolhapur, 416004	Expert from other University
12.	Dr. Ganesh Kadam Laboratory Incharge & Dy Quality Manager Pune, Maharashtra, India GreenSolution Enviro and Laboratories Pvt Ltd	Industry Expert
13.	Ms. Sakshi Upadhyay	UG Student
14.	Mr. Pradip Shikare	UG Student

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Department of Environmental Science

AGENDA OF THE MEETING

The agenda of the meeting included the following subjects:

1. To confirm the minutes of the previous meeting held on 20 Oct 2023
2. To design course and credit structure for the second year UG (Sem-III and IV) in accordance with the NEP 2020.
3. To design and approve curriculum of T.Y.B.Sc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.
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 discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
6. Any other issue with the permission of the chair.

MINUTES OF THE MEETING

As per the meeting of Board of Studies in Environmental Science was successfully held on 11th March, 2024 at 12:00 pm in the Department of Environmental Science, T. C. College, Baramati. The meeting took place both online and offline, adhering to the guidelines and protocols set by the college under the guidance of Ms. S. S. Sonawane, Chairman of the Board of Studies in Environmental Science, the meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives.

During the meeting, fruitful discussions were held on the items 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 20th Oct, 2023.

Ms. S. S. Sonawane read the minutes of the BOS meeting held on 20th Oct, 2023 and put forward to the BOS members for the approval.

Resolution No. 1: The minutes of the previous Board of Studies meeting were approved and confirmed.

2. To design course and credit structure for the second year UG (Sem-III and IV) in accordance with the NEP 2020.

The Board of Studies (BOS) members meticulously designed and crafted the course and credit structure for the second year UG (Sem-III and IV) program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Mr. Abhijit More presented the course and credit structure, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into it.

In light of the constructive suggestions offered by the BOS members, the course and credit structure underwent necessary revisions. As per NEP 2020, BOS members finalized 2 credits per course for second year UG (Sem-III and IV) and was presented for approval during the BOS meeting.

Sem	Course Type	Course Code	Course Name	Theory/ Practical	Credits
III	Major Mandatory	ENV-201-MJM	Natural Resources And Management	Theory	02
	Major Mandatory	ENV-202-MJM	Environmental Pollution-I	Theory	02
	Major Mandatory	ENV-203-MJM	Wildlife and Conservation	Theory	02
	Major Mandatory	ENV-204-MJM	Environmental Science Practical-III	Practical	02
	Minor	ENV-211-MN	Man and Environment	Theory	02
	Minor	ENV-212-MN	Basic Practicals in Environmental science	Practical	02
	Open Elective (OE)	ENV-116-OE	Initiatives for Environmental Management	Theory	02
	Vocational Skill Course (VSC)	ENV-221-VSC	Organic Farming	Theory	02
	Ability Enhancement Course (AEC)	MAR-231-AEC HIN-231-AEC SAN-231-AEC	भाषिक उपयोजन व लेखन कौशल्ये हिंदी भाषा कौशल प्राथमिक संभाषण कौशल्यम	Theory	02
	Co-curricular Course (CC)	YOG/PES/CUL/NS S/NCC-239-CC	To be selected from the Basket	Theory	02
	Field Project (FP)	ENV-235-FP	Field Project	Practical	02
	Generic IKS Course (IKS)	GEN-245-IKS	Indian knowledge System (Generic)	Theory	02
Total Credits Semester-III					22
IV	Major Mandatory	ENV-251-MJM	Solid and Hazardous Waste Management	Theory	02
	Major Mandatory	ENV-252-MJM	Environmental Pollution-II	Theory	02
	Major Mandatory	ENV-253-MJM	Biodiversity and its conservation	Theory	02
	Major Mandatory	ENV-254-MJM	Environment Science Practical-II	Practical	02
	Minor	ENV-261-MN	Environmental Microbiology	Theory	02
	Minor	ENV-262-MN	Environmental Microbiology Practical	Practical	02
	Open Elective(OE)	ENV-266-OE	Eco-Friendly Practices	Practical	02
	Skill Enhancement Course (SEC)	ENV-276-SEC	Designing of Rain water harvesting	Practical	02

Ability Enhancement Course (AEC)	MAR-281-AEC HIN-281-AEC SAN-281-AEC	लेखन निर्मिती व परीक्षण कौशल्ये हिंदी भाषा :संप्रेषण कौशल प्रगत संभाषण कौशल्यम	Theory	02
Co-curricular Course (CC)	YOG/PES/CUL/NS S/NCC-289-CC	To be selected from the Basket	Theory	02
Community Engagement Project (CEP)	ENV-285-CEP	Community Engagement Project (CEP)	Practical	02
Total Credits Semester-IV				22
Cumulative Credits Semester III + Semester IV				46

Resolution No. 2:The course and credit structure for the second year UG (Sem-III and IV) B.Sc. programme in accordance with (NEP 2020) has been unanimously approved by all members of the BOS.

3. To design and approve curriculum of T.Y.B.Sc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.

The board carefully designed and deliberated upon the curriculum of T.Y.B.Sc. Semester-V, aligning it with the guidelines of the 2022 pattern, for implementation in the academic year 2022-2023. During the meeting, Mr. Abhijit more presented the curriculum of courses and credit structure, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum.

During the discussion, certain modifications were suggested by the board members. Dr. Yogesh Indulkar proposed to add UAV (Unmanned aerial vehicles) in the course USES 352: Wildlife Biology. Dr. Rupali Gaikwad proposed to change the unit: II name to Conservation of Natural Resources in the course USES 353: Geosciences. The board thoroughly discussed and finalized the syllabus for the following courses of T.Y.B.Sc. Semester V.

Finally, in light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful

consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
T.Y.B.Sc.	2022	V	USES 351	Ecosystem Management	Theory	3
			USES 352	Wildlife Biology	Theory	3
			USES 353	Geoscience	Theory	3
			USES 354	Nature Conservation	Theory	3
			USES 355	Environmental Governance, Laws and Ethics	Theory	3
			USES 356	Environmental Biotechnology	Theory	3
			USES 357	Practical based on USES 351 and USES 352	Practical	2
			USES 358	Practical based on USES 353 and USES 354	Practical	2
			USES 359	Practical based on USES 355 and USES 356	Practical	2

Resolution No. 3: The curriculum for T.Y.B.Sc. Semester V (2022 pattern) has been unanimously approved by all members of the BOS.

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.

The board carefully designed and deliberated upon the curriculum of S.Y.B.Sc. Semester-III (2023 pattern), aligning it with the guidelines of the National Education Policy (NEP) 2020, for implementation in the academic year 2024-2025. During the discussion, certain modifications were suggested by the board members. Dr.Rupali Gaikwad proposed the

remove wildlife resources from the course ENV-201-MJM: Natural Resources and Management. Dr. Yogesh Indulkar proposed to add Do's and Don'ts of wildlife tourism in the course ENV-203-MJM: Wildlife and Conservation. Student representatives Ms. Sakshi Upadhyay and Mr. Pradip Shikare proposed to framing of ENV-221-VSC: Organic farming as Vocational Skill Course. The board thoroughly discussed and finalized the syllabus for the following courses of S.Y.B.Sc. Semester III.

Finally, in light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern (NEP 2020)	Sem	Course Code	Course Title	Course Type	No. of Credits
S.Y.B.Sc	2023	III	ENV-201-MJM	Natural Resources and Management	Theory	02
			ENV-202-MJM	Environmental Pollution-I	Theory	02
			ENV-203-MJM	Wildlife and Conservation	Theory	02
			ENV-204-MJM	Environmental Science Practical-III	Practical	02
			ENV-211-MN	Man and Environment	Theory	02
			ENV-212-MN	Basic Practicals in Environmental science	Practical	02
			ENV-216-OE	Initiatives for Environmental Management	Theory	02
			ENV-221-VSC	Organic Farming	Theory	02
			MAR-231-AEC HIN-231-AEC SAN-231-AEC	भाषिक उपयोजन व लेखन कौशल्ये हिंदी भाषा कौशल प्राथमिक संभाषण कौशल्यम	Theory	02

			YOG/PES/CUL/NSS/NCC -239-CC	To be selected from the Basket	Theory	02
			ENV-235-FP	Field Project	Practical	02
			GEN-245-IKS	Indian knowledge System (Generic)	Theory	02

Resolution No. 3: The curriculum for S.Y.B.Sc. Semester III (2023 pattern) has been unanimously approved by all members of the BOS.

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

The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department created a curriculum feedback form and distributed it to students, teachers, parents, alumni, and employers. Subsequently, the stakeholders filled out the feedback forms. 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 alumni and students and incorporated the relevant suggestions into the curriculum of S.Y.B.Sc. & T.Y.B.Sc. Environmental Science.

Resolution No. 5: Considered and Approved

6. Any other issue with the permission of the chair.

No any additional items to the Board of Studies (BOS) meeting.

The meeting of BOS concluded with the vote of thanks by Mr. A. D. More.

Chairman
Board of Studies

IQAC
Coordinator

Principal