



Anekant Education Society's

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

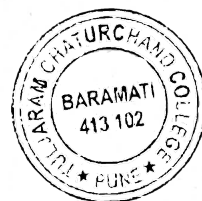
DEPARTMENT OF
ENVIRONMENTAL SCIENCE

(Faculty of Science and Technology)

Minutes of Board of Studies Meeting No.5

Date of Meeting: 07/04/2022

Venue: Department of Environmental Science



April, 2022

Anekant Education Society's
Tuljaram Chaturchand College, Baramati

DEPARTMENT OF ENVIRONMENTAL SCIENCE

NOTICE

Date: 01/04/2022

Board of Studies Meeting

All members of the Board of Studies in Environmental Science are hereby informed that, our BOS meeting is organized on 7th April 2022 at 12:00 pm. in the staff room of Department of Environmental Science and in Online mode. As esteemed members of the board, your presence and input during the meeting would be greatly appreciated.

The agenda for the meeting is as follows:

7. To confirm the minutes of the previous meeting held on 8th Dec 2021.
8. To design and approve course and credit structure for the B.Sc. programme in accordance with 2022 pattern.
9. To prepare and approve curriculum of F.Y.B.Sc. Semester-I (2022 pattern) to be implemented from the academic year 2022-2023.
10. To design the academic framework of F.Y.B.Sc. (Semester-II), S.Y.B.Sc. (Semester-III & IV), T.Y.B.Sc. (Semester-V & Semester-VI).
11. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
12. Any other issue with the permission of the chair.

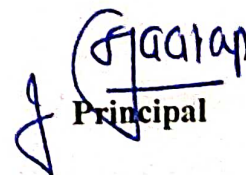
Therefore, I kindly request you to attend the aforementioned meeting and invite you to provide your valuable inputs for designing the curriculum in accordance with the NEP 2020 guidelines.

Google Meet link- <https://meet.google.com/sqh-fjcn-sqe>

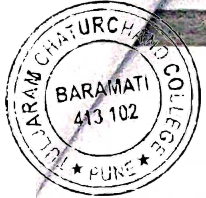


Chairman,

BOS in Environmental Science



Principal

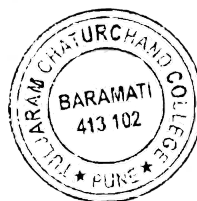


List of Members Presented for the BOS Meeting

The following internal and external BOS members were attended the Board of Studies (Environmental Science) meeting through online/offline mode held on 7th Apr, 2022.

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. Ajit Telave Associate Professor, Department of Botany, T. C. College, Baramati	Internal Member
3.	Dr. Vitthal Nale 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 Assistant Professor, Department of Environmental Science, T. C. College, Baramati	Internal Member
9.	Dr. Rupali Gaikwad 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 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. Shelar Dipali	UG Student

14.	Ms. Deokate Shreya	UG Student
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Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)

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 8th Dec 2021.
2. To design and approve course and credit structure for the B.Sc. programme in accordance with 2022 pattern.
3. To prepare and approve curriculum of F.Y.B.Sc. Semester-I (2022 pattern) to be implemented from the academic year 2022-2023.
4. To design the academic framework of F.Y.B.Sc. (Semester-II), S.Y.B.Sc. (Semester-III & IV), T.Y.B.Sc. (Semester-V & Semester-VI).
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 7th April, 2022 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 8th Dec 2021.

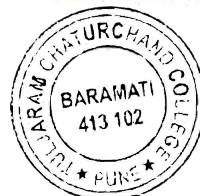
Ms. S. S. Sonawane read the minutes of the BOS meeting held on 7th April 2022 and put forward to the BOS members for the approval.

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

2. To design and approve course and credit structure for the B.Sc. programme in accordance with 2022 pattern.

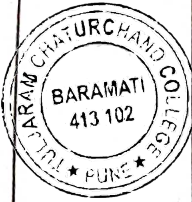
The Board of Studies (BOS) members meticulously designed and crafted the course and credit structure for the B.Sc. program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Ms. Neeta Sarode presented the course and credit structure, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the it.

In light of the constructive suggestions offered by the BOS members, the course and credit structure underwent necessary revisions. As per 2022 pattern, BOS members finalizes 2 credits per course for F.Y.B.Sc. and 3 credits for theory and 2 credits for practicals of S.Y.B.Sc. and T.Y.B.Sc. Environmental Science and was presented for approval during the BOS meeting.



(Environmental Science) Meeting No. 5

Class	Pattern	Semester	Paper Code	Title of Paper	Course Type	No. of Credits	
F.Y.B.Sc.	2019	I	USES 111	Fundamentals of Environmental Science-I	Theory	2	
			USES112	Fundamentals of Environmental Biology-I	Theory	2	
			USES 113	Practicals Based on USES 111 and USES 112	Practical	2	
			II	USES 121	Fundamentals of Environmental Science - II	Theory	2
				USES 122	Fundamentals of Environmental Biology - II	Theory	2
				USES 123	Practical based on USES 121 & USES 122	Practical	2
	S.Y.B.Sc	2019	III	USES 231	Natural Resources	Theory	3
				USES 232	Environmental Pollution and Control-I	Theory	3
				USES 233	Practical based on USES 231 & USES 232	Practical	2
			IV	USES 241	Solid and Hazardous Waste Management	Theory	3
				USES 242	Environmental Pollution and Control-II	Theory	3
				USES 243	Practical based on USES 241 & USES 242	Practical	2
T.Y.B.Sc	2019	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 & USES 352	Practical	2	



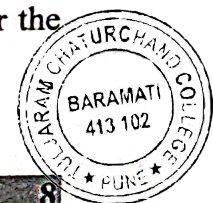
		USES 358	Practical based on USES 353 & USES 354	Practical	2
		USES 359	Practical based on USES 355 & USES 356	Practical	2
	VI	EVS 3601	Climate Change	Theory	3
		EVS 3602	Analytical Methods	Theory	3
		EVS 3603	Sustainable Development	Theory	3
		EVS 3604	Environmental Statistics	Theory	3
		EVS 3605	Environmental Risk and Assessment Management	Theory	3
		EVS 3606	Environmental Economics And Audit	Theory	3
		EVS 3607	Practical based on EVS 3601 to EVS 3603	Practical	2
		EVS 3608	Practical based on EVS 3604 to EVS 3606	Practical	2
		EVS 3609	Project	Project	2

Resolution No. 2: The course and credit structure for the B.Sc. programme in accordance with 2022 pattern has been unanimously approved by all members of the BOS.

3. To design and approve curriculum of F.Y.B.Sc. Semester-I (2022 pattern) to be implemented from the academic year 2022-2023.

The board carefully designed and deliberated upon the curriculum of F.Y.B.Sc. Semester-I, aligning it with the guidelines of the 2022 pattern, for implementation in the academic year 2022-2023. During the meeting, Ms. Neeta Sarode 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 Atmosphere and Stoichiometry in the course USES 111: Fundamentals of Environmental Science-I. Dr. Asawari Jadhav proposed to change the unit: I name to Introduction of ecology in the course USES 112: Practicals Fundamentals of Environmental Biology-I. The board thoroughly discussed and finalized the syllabus for the following courses of F.Y.B.Sc. Semester II.



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
F.Y.B.Sc.	2022	I	USES 111	Fundamentals of Environmental Science-I	Theory	2
			USES 112	Fundamentals of Environmental Biology-I	Theory	2
			USES 113	Practicals Based on USES 111 and USES 112	Practical	2

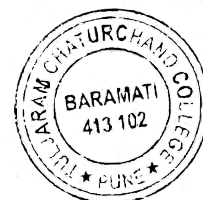
Resolution No. 3: The curriculum for F.Y.B.Sc. Semester I (2022 pattern) has been unanimously approved by all members of the BOS.

4. To design the academic framework of F.Y.B.Sc. (Semester-II), S.Y.B.Sc. (Semester-III & IV), T.Y.B.Sc. (Semester-V & Semester-VI).

The Board of Studies (BOS) members meticulously designed and crafted the academic framework of F.Y.B.Sc. (Semester-II), S.Y.B.Sc. (Semester-III & IV) and T.Y.B.Sc. (Semester-V & Semester-VI) 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 academic framework, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the it.

In light of the constructive suggestions offered by the BOS members, the academic framework underwent necessary revisions. As per 2022 pattern, BOS members finalizes academic framework for B.Sc. Environmental Science and was presented for approval during the BOS meeting.

Resolution No. 4: The academic framework for the B.Sc. programme in accordance with 2022 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.

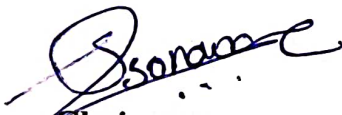
The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department created a curriculum feedback form and distributed it to students, teachers, parents, alumni, and employers. Subsequently, 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 F.Y.B.Sc. Environmental Science.

Resolution No. 5: Considered and Approved

6. Any other matter with the consent of Chairperson.

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

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


Chairman
Board of Studies


IQAC
Coordinator


Principal

