



Anekant Education Society's

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

DEPARTMENT OF CHEMISTRY

(Faculty of Science and Technology)

Minutes of Board of Studies Meeting No.11

Date of Meeting: 27/10/2023

Venue: Department of Chemistry

October-2023

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)

Department of Chemistry

NOTICE

Date: 20/10/2023

Board of Studies Meeting

All members of Board of Studies in Chemistry are here by informed that, as per notice from College authority, our BOS meeting is organized on **27th October 2023** at **12.00 pm** via on-line/off-line mode. As an estimated member of the board, you are invited for this meeting. Your presence and inputs during the meeting would be greatly appreciated.

AGENDA OF THE MEETING

The agenda of the meeting included the following subjects:

1. To confirm the minutes of the previous meeting held on 10th June 2023.
2. To design and approve curriculum of S.Y.B.Sc. Semester IV (2022 pattern) to be implemented from the academic year 2023-2024.
3. To design and approve curriculum of M.Sc.-II Semester IV (2022 pattern) to be implemented from the academic year 2023-2024.
4. To design and approve curriculum of F.Y.B.Sc. Semester II (2023 pattern) as per NEP-2020 to be implemented from the academic year 2023-2024.
5. To design and approve curriculum of M.Sc.-I Semester II (2023 pattern) as per NEP-2020 to be implemented from the academic year 2023-2024.
6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
7. Any other issue with the permission of the chair.

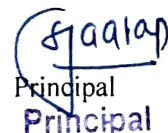


Chairman

Board of Studies in Chemistry

Head

**DEPARTMENT OF CHEMISTRY
Tuljaram Chaturchand College
Baramati (Dist.Pune)**



Principal

Principal

**Tuljaram Chaturchand College
Baramati**

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

List of Members Presented for the BOS Meeting

The following internal and external BOS members were attended the Board of Studies

Sr.No.	Name of Member	Designation
1.	Dr. Sanjay R. Kale Head & Associate Professor, Department of Chemistry, T. C. College, Baramati.	Chairman
2	Mr. Maharudra A. Dudhe Assistant Professor, Department of Chemistry, T. C. College, Baramati	Internal Member
3	Mr. Ravikiranamrut R. Gandhi Assistant Professor, Department of Chemistry T. C. College, Baramati	Internal Member
4	Dr. Vaibhav P. Landage Assistant Professor, Department of Chemistry T. C. College, Baramati	Internal Member
5	Dr. Yogesh N. Indulkar Assistant Professor, Department of Chemistry T. C. College, Baramati	Internal Member
6	Dr. Rahul S. Bhondwe. Assistant Professor, Department of Chemistry T. C. College, Baramati	Internal Member
7	Dr. Nilam C. Dige Assistant Professor, Department of Chemistry SPPU, Pune	Internal Member
8	Dr. Namdeo N. Bhujbal Associate Professor, Department of Chemistry Magar College, Hadapsar, Pune	External Member VC Nominee.
9	Dr. D. M. Pore Associate Professor, Department of Chemistry Shivaji University, Kolhapur	External Member from other University
10	Mr. Saurabh Pandhare T. C. College, Baramati	PG Student
11	Mr. Niranjana Ghuge T. C. College, Baramati	UG Student
12	Mr. Vijay Gorave T. C. College, Baramati	UG Student

MINUTES OF THE MEETING

As per the Notice issued by the college, the meeting of Board of Studies in Chemistry was successfully held on **27th October 2023** at 12:00 am via online / off-line mode. The meeting took place as per the guidelines and protocols set by the college under the guidance of Dr. Sanjay R. Kale, Chairman of the Board of Studies in Chemistry. 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 previous meeting held on 10th June 2023

Dr. Sanjay R. Kale read the minutes of the BOS meeting held on **10th June 2023** put forward to the BOS members for the approval. All members agreed and confirmed it without any corrections.

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

2. To design and approve curriculum of S.Y.B.Sc. Semester IV (2022 pattern) to be implemented from the academic year 2023-2024.

The Board of Studies (BOS) members actively participated in designing the curriculum for Semester IV of the S.Y.B. Sc program (2022 Pattern), 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, Dr. V. P. Landage presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. After discussion these additions were incorporated and sanctioned.

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
Second Year						
S.Y.B.Sc	2022	IV	USCH 241	Physical and Analytical Chemistry II	Theory	03
S.Y.B.Sc	2022	IV	USCH 242	Organic and Inorganic Chemistry II	Theory	03
S.Y.B.Sc	2022	IV	USCH 243	Chemistry Practical IV	Practical	02
S.Y.B.Sc	2022	IV	CC 2	Titrimetric Analysis	Theory Practical	02

Resolution No. 2: The curriculum for S.Y.B.Sc. Semester-IV (2022 pattern) has been unanimously approved by all members of the BOS.

3. To design and approve curriculum of M.Sc. II (Organic Chemistry) Semester IV (2022 pattern), M.Sc. II (Inorganic Chemistry) Semester IV (2022 pattern) and M.Sc. II (Analytical Chemistry) Semester IV (2022 pattern) to be implemented from the academic year 2023-2024.

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for M.Sc.-II (Organic Chemistry) Semester-IV (2022 pattern), M.Sc.-II (Inorganic Chemistry), Semester-IV (2022 pattern) and M.Sc.-II (Analytical Chemistry), Semester-IV (2022 pattern) 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, Dr. R. S. Bhondwe presented the curriculum on a course-by-course basis. Dr. N. N. Bhujbal gave some valuable guidance on implementation of practicals in the course PSCHO246, Dr. D. M. Pore was satisfied due to topics included in the syllabus of M. Sc. II Organic Chemistry. Dr. Gurav suggested some extra practicals in the course PSCHA 245. The recommendations and valuable insights provided by the BOS members were

thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of M.Sc.-II (Organic Chemistry) Semester-III (2022 pattern), M.Sc.-II (Inorganic Chemistry), Semester-III (2022 pattern) and M.Sc.-II (Analytical Chemistry), Semester-III (2022 pattern)

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
Second Year (Organic Chemistry)						
M.Sc II	2022	IV	PSCHO-241	Chemistry of Natural Products-I	Theory	04
M.Sc II	2022	IV	PSCHO-242	Advanced Synthetic Organic Chemistry	Theory	04
M.Sc II	2022	IV	PSCHO-243	Biomolecules, Org chemistry of drug design and chiral drugs	Theory	04
M.Sc II	2022	IV	PSCHO-244	Organic Stereochemistry II and Asymmetric Synthesis	Theory	04
M.Sc II	2022	IV	PSCHO-245	Innovative experiments in organic chemistry	Practical	04
M.Sc II	2022	IV	PSCHO-246	Project	Project	04
M.Sc II	2022	IV	SD-24	Skill Development Course	Theory +Practical	02

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
Second Year (Inorganic Chemistry)						
M.Sc II	2022	IV	PSCHI-241	Heterogeneous Catalysis and Inorganic polymers	Theory	04
M.Sc II	2022	IV	PSCHI-242	Material science I: Inorganic materials & solid state chemistry	Theory	04
M.Sc II	2022	IV	PSCHI-243	Material Science-II: Nanomaterials	Theory	04

M.Sc II	2022	IV	PSCHI-244	Inorganic applications in industrial and environmental chemistry	Theory	04
M.Sc II	2022	IV	PSCHI-245	Extended practicals in Inorganic chemistry	Practical	04
M.Sc II	2022	IV	PSCHI-246	Project work	Project	04
M.Sc II	2022	IV	SD:24	Skill Development Course	Theory + Practical	02

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
Second Year (Analytical Chemistry)						
M.Sc II	2022	IV	PSCHA-241	Forensic science	Theory	04
M.Sc II	2022	IV	PSCHA-242	Advances in Analytical Techniques	Theory	04
M.Sc II	2022	IV	PSCHA-243	Analytical methods for Analysis of fertilizers, detergents, Water, and Polymer, Paint and pigment	Theory	04
M.Sc II	2022	IV	PSCHA-244	Method of Analysis and Applications	Theory	04
M.Sc II	2022	IV	PSCHA-245	Analysis of pharmaceutical, food and Bio- analytical samples	Practical	04
M.Sc II	2022	IV	PSCHA-246	Project work	Project	04
M.Sc II	2022	IV	SD:24	Skill Development Course	Theory + Practical	02

Resolution No. 3: The curriculum for M.Sc. II (Organic Chemistry) Semester IV (2022 pattern), M.Sc. II (Inorganic Chemistry) Semester IV (2022 pattern) and M.Sc. II (Analytical Chemistry) Semester IV (2022 pattern) has been unanimously approved by all members of the BOS.

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

The Board of Studies (BOS) members actively participated in designing the curriculum for Semester II of the F.Y.B. Sc program (2023 Pattern) as per NEP 2020 guidelines, 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, Dr. S. R. Kale presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. After discussion these additions were incorporated and sanctioned.

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
First Year						
F.Y.B.Sc	2023	II	CHE-151 MJM	Physical and Inorganic Chemistry II	Theory	02
F.Y.B.Sc	2023	II	CHE-152 MJM	Organic and Inorganic Chemistry II	Theory	02
F.Y.B.Sc	2023	II	CHE-153 MJM	Chemistry Practical II	Practical	02
F.Y.B.Sc	2023	II	CHE-161 MN	General Chemistry I	Theory	02
F.Y.B.Sc	2023	II	CHE-166 OE	Introduction to Dairy Chemistry	Theory	02
F.Y.B.Sc	2023	II	CHE-167 OE	Chemical Analysis of Milk and Milk Products	Practical	02
F.Y.B.Sc	2023	II	CHE-171 VSC	Good Laboratory Practices and Mathematics for Chemist	Practical	02
F.Y.B.Sc	2023	II	CHE-176 SEC	Inorganic Chemical Analysis	Practical	02

Resolution No. 4: The curriculum for F.Y.B.Sc. Semester-II (2023 pattern) has been unanimously approved by all members of the BOS.

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

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for Semester II of the M. Sc. program (2023 Pattern) as per NEP 2020 guidelines, 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. R. R. Gandhi presented the curriculum on a course-by-course basis. Dr. N. N. Bhujbal and Dr. Vijay Vader gave some valuable guidance on implementation of theory and practical courses as per NEP 2020 guidelines. Dr. Gurav suggested some extra practicals in the course CHE-553 MJM. Dr. D. M. Pore suggested some additions in the course CHE-552 MJM. The recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of M.Sc.-I Semester-II (2023 pattern)

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
First Year						
M.Sc I	2023	II	CHE-551 MJM	Physical and Analytical Chemistry II	Theory	02
M.Sc I	2023	II	CHE-552 MJM	Organic and Inorganic Chemistry II	Theory	02
M.Sc I	2023	II	CHE-553 MJM	Analytical Chemistry Practical I	Practical	02
M.Sc I	2023	II	CHE-554 MJE	Inorganic Chemistry Practical I	Practical	02
M.Sc I	2023	II	CHE-561 MJE (A)	Advanced topics in Analytical Chemistry II	Theory	02
M.Sc I	2023	II	CHE-561	Advanced topics in	Theory	02

			MJE (B)	Inorganic Chemistry II		
M.Sc I	2023	II	CHE-561 MJE (C)	Advanced topics in Organic Chemistry II	Theory	02
M.Sc I	2023	II	CHE-581 OJT/FP	On Job Training OR Field Project	Practical	02

Resolution No. 5: The curriculum for M.Sc. I, Semester-II (2023 pattern) has been unanimously approved by all members of the BOS.

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

The feedback and suggestions from different stakeholders was considered while designing the credit format for UG programme and preparation of curriculum for S. Y. B.Sc. Sem IV (2022 Pattern), F.Y.B.Sc. Sem II(2023 pattern), M. Sc. I Sem II (2023 Pattern) and M.Sc. II, Sem II(2022 pattern).The BOS members reviewed the relevant feedback and suggestions from the students, alumni, teacher, parents and employers. Accordingly, these inclusions and modifications were incorporated in the curriculum after approval of BOS members.

Resolution No. 6: The relevant modifications have been unanimously approved by all the BOS members.

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

As there were no any other subject/topic raised by BOS member, the meeting was ended with vote of thanks by the Chairman to all members for their valuable cooperation.



Chairman

Board of Studies in Chemistry

Head

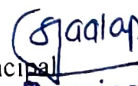
**DEPARTMENT OF CHEMISTRY
Tuljaram Chaturchand College
Baramati (Dist.Pune)**



IQAC

Coordinator

**Internal Quality Assurance Cell
Tuljaram Chaturchand College of
Arts, Science and Commerce,
Baramati (Pune)-413102**



Principal

Principal

**Tuljaram Chaturchand College
Baramati**