

### Minutes of the BoS in Chemistry Meeting held on 24/06/2023

The meeting of the Board of Studies in Chemistry was convened on 24/06/2023 in the Online mode. The following members were present

<b>Name of the Member</b>	<b>Designation</b>
<b><u>DEPARTMENTAL FACULTY MEMBERS</u></b>	
Prof. Manish Hate	Head, Department of Chemistry
Dr. A.K. Mapari	Associate Professor, Department of Chemistry
Prof. Kamini Donde	Associate Professor, Department of Chemistry
Dr. Madhavi Badole	Associate Professor, Department of Chemistry
Dr. Vaibhav Wagh	Associate Professor, Department of Chemistry
Dr. Vijaykumar Chavan	Assistant Professor, Department of Chemistry
Dr. Aravind Gajengi	Assistant Professor, Department of Chemistry
Dr. Dnyaneshwar Kulal	Assistant Professor, Department of Chemistry
Dr. Mohmad Vasim Sheikh	Assistant Professor, Department of Chemistry
Avinash Pardhi	Assistant Professor, Department of Chemistry
Vaibhav Pongade	Assistant Professor, Department of Chemistry
Tushar Patil	Assistant Professor, Department of Chemistry
Dr. Niyati Khambete	Assistant Professor, Department of Chemistry
Ms. Sana Shaikh	Assistant Professor, Department of Chemistry
<b><u>EXTERNAL SUBJECT EXPERTS</u></b>	
Prof. Bhalchandra Bhanage	Head, Department of Chemistry, Institute of Chemical Technology, Mumbai
Prof. Abhijit Chavan	Professor, Department of Chemistry, S.P. College, Pune
Prof. Shivram Garje	Professor, Department of Chemistry, University of Mumbai
Dr. Sugandha Shetye	Associate Professor, Department of Chemistry, K.J. Somaiya College, Mumbai
Dr. Rajesh Samant	K.C. College, HSNCB, Mumbai

Prof. Manish Hate, Head, Dept of Chemistry welcomed both external and internal members and briefed the delegates about the current agenda.

The following was the agenda of the meeting:

1. To present the board, the proposed credit system for the Four-Year Undergraduate Program (B.A., B.Sc., BACM) and the Post Graduate Program (M.A., M.Sc.), aligning with the guidelines outlined in NEP2020, commencing from the Academic Year 2023-24.



2. To seek approval for the syllabus of the first-year of undergraduate program (Semester I and II) courses, and Postgraduate Program (Semester I) courses including the courses offered for the subject, Generic Elective or Open Elective Courses, Ability Enhancement Courses, Skill Enhancement Courses, and Vocational Skill Enhancement Courses, Discipline specific Core Courses and Discipline specific elective Courses (whichever is applicable) for the Academic Year 2023-24.
3. To seek approval for the modifications in the assessment methods, including changes to the question paper pattern for internal and semester-end examinations, as well as the evaluation process for Semester End examinations (Theory/Practical, as applicable).
4. Any other matter with the permission of the Chair.

**Agenda I:** To present the board, the proposed credit system for the Four-Year Undergraduate Program (B.A., B.Sc., BACM) and the Post Graduate Program (M.A., M.Sc.), aligning with the guidelines outlined in NEP2020, commencing from the Academic Year 2023-24.

**Discussed that:**

The background of NEP 2020 implementation and the credit structure was discussed in detail. It was discussed that each unit would correspond to 1 credit and each credit would correspond to 15 clock hours. A course for 3 credits would include 3 units and correspond to 45 clock hours of teaching. Dr. Garje suggested that 50:50 pattern could be followed for theory as well as practical. Dr. Sugandha Shetye suggested that IKS course was to be taken in the second year only.

**Resolved That:** As overall credit structure was approved by the BOS members. As the suggestion of 50:50 pattern and IKS course involved policy decisions the department will forward this to the Academic council for further discussions.

Proposed by: Prof. Shivram Garje

Seconded by: Prof. Kamini Donde

**Agenda II :** To seek approval for the syllabus of the first-year of undergraduate program (Semester I and II) courses, and Postgraduate Program (Semester I) courses including the courses offered for the subject, Generic Elective or Open Elective Courses, Ability Enhancement Courses, Skill



Enhancement Courses, and Vocational Skill Enhancement Courses, Discipline specific Core Courses and Discipline specific elective Courses (whichever is applicable) for the Academic Year 2023-24.

**Discussed that:** Dr. The syllabus for F.Y.B.Sc., M.Sc and Generic elective for F.Y.B.Sc. was proposed. The F.Y.B.sc syllabus was explained by Mr. Avinash Pardhi, Prof. Kamini Donde, and Mr. Vaibhav Pongade. The syllabus for Generic Elective was explained by Dr. Niyati Khambete. The syllabus for M.Sc Core IV paper was explained by Prof. Manish Hate. Dr. Sugandha Shetye suggested that the nomenclature of the courses for F.Y.B.Sc. be changed from Subject 1 and Subject 2 to Major and Minor respectively. Dr. Rajesh Samant suggested that the Generic Elective syllabus should be very simple and must not involve structures and chemical reactions as it is to be offered to arts students. The two groups (combinations) for M.sc were discussed in detail. Prof. Abhijit Chavan suggested that the degree for M.Sc to be awarded as a specialization in a particular branch only, e.g. M.Sc in organic Chemistry, and not simply M.Sc in Chemistry

**Resolved that:** The suggestions given by the BOS members were well accepted by the department members. The necessary changes will be made in the draft syllabus.

**Agenda III:** To seek approval for the modifications in the assessment methods, including changes to the question paper pattern for internal and semester-end examinations, as well as the evaluation process for Semester End examinations (Theory/Practical, as applicable).

**Discussed that:** Guidelines for assessment pattern and modality to be received from authorities. Members suggested that 50:50 pattern could be followed for theory as well as practical. Dr. Rajesh Samant suggested that exam can be taken for more marks and then the marks be converted.

**Resolved that:** As it is a policy decision, the department will forward this to the Academic council for further discussions.

**Agenda IV:** Any other matter with the permission of the Chair.

**Discussed that:** The workload for M.sc practical was discussed. Dr. Vaibhav Wagh suggested that if for T.Y.B.Sc class, one practical is for 3 clock hours, then for M.Sc also it should be at least



3 clock hours. Prof. Garje suggested that the workload for practical should be of 30 clock hours for each branch. Dr. Rajesh Samant suggested that if every practical is for 2 clock hours as suggested by college authorities, then two practical sessions can be taken in a day for 2 hours each (total 4 clock hours).

**Resolved that:** As it is a policy decision, the department will forward this to the Academic council for further discussions.



Prof. Manish Hate,

Head, Department of Chemistry



### Minutes of the BoS in Chemistry Meeting held on 29/02/2024

The meeting of the Board of Studies in Chemistry was convened on 29/02/2024 in the Online mode. The following members were present.

Name of the Member	Designation
<b><u>DEPARTMENTAL FACULTY MEMBERS</u></b>	
Prof. Manish Hate	Vice-Principal and Head, Department of Chemistry
Dr. A.K. Mapari	Associate Professor, Department of Chemistry
Prof. Kamini Donde	Associate Professor, Department of Chemistry
Dr. Madhavi Badole	Associate Professor, Department of Chemistry
Dr. Vaibhav Wagh	Associate Professor, Department of Chemistry
Dr. Vijaykumar Chavan	Assistant Professor, Department of Chemistry
Dr. Aravind Gajengi	Assistant Professor, Department of Chemistry
Dr. Dnyaneshwar Kulal	Assistant Professor, Department of Chemistry
Dr. Mohamad Vasim Sheikh	Assistant Professor, Department of Chemistry
Mr. Avinash Pardhi	Assistant Professor, Department of Chemistry
Mr. Vaibhav Pongade	Assistant Professor, Department of Chemistry
Mr. Tushar Patil	Assistant Professor, Department of Chemistry
Dr. Niyati Khambete	Assistant Professor, Department of Chemistry
Ms. Sana Shaikh	Assistant Professor, Department of Chemistry
Ms. Shravani Wadekar	Assistant Professor, Department of Chemistry
<b><u>EXTERNAL SUBJECT EXPERTS</u></b>	
Prof. Bhalchandra Bhanage	Head, Department of Chemistry, Institute of Chemical Technology, Mumbai
Prof. Abhijit Chavan	Professor, Department of Chemistry, S.P. College, Pune
Dr. Sugandha Shetye	Associate Professor, Department of Chemistry, K.J. Somaiya College, Mumbai
Dr. Rajesh Samant	K.C. College, HSNCB, Mumbai
Dr. Sandeep Gadgil	GTech Consultancy Services, Thane

Prof. Shivram Garje - Professor, Department of Chemistry, University of Mumbai was granted leave of absence.

Prof. Manish Hate, Head, Dept of Chemistry welcomed all the BOS members. He also briefed the delegates about the current agenda.

The following was the agenda of the meeting:

Agenda Item No. 1:

**To confirm the minutes of the previously held BOS Meeting.**



Agenda Item No. 2:

**To seek approval for the changes in the syllabi as per NEP2020 structure for SYBA/SYBSc/SYBVoc(Semester III and IV for the year 2024-25),MA/MSc(Part I/II for the year 2024-25).**

Agenda Item No. 3:

**To seek approval for the changes in the Modalities of assessment (Internal Class tests/Assignments etc.), if any.**

Agenda Item No. 4:

**To seek suggestion on Field Projects/CEP (Community Engagement Programs) to be conducted in Semester III and IV(2024-25)**

Agenda Item No. 5:

**To seek approval for the new certificate courses, if any (for 2024-25)**

Agenda Item No. 6:

**Any other matter with the permission of the chair.**

**Agenda I:**

To confirm the minutes of the previously held BOS Meeting.

**Discussed that:**

The minutes of the previous BOS meeting were discussed in short

**Resolved That:**

**Agenda II :**

To seek approval for the changes in the syllabi as per NEP2020 structure for SYBA/SYBSc/SYBVoc(Semester III and IV for the year 2024-25),MA/MSc(Part I/II for the year 2024-25).

**Discussed that:**

The entire grid for the S.Y.B.Sc. Syllabus was explained to the BOS members. The major and minor papers and the credits offered respectively were discussed. DSC 1 was presented by Dr. Vaibhav Wagh, Dr. Kamini Donde and Dr. Madhavi Badole. DCS 2 was presented by Dr. Vaibhav Wagh, Dr. Kamini Donde and Dr. Mapari. DSC1 and DSC practicals were presented by



Mr. Tushar Patil, Dr. Vasim Sheikh and Dr. Aravind Gajengi. VSC practical was presented by Prof. Manish Hate. SEC theory and practical were explained by Dr. Vaibhav Wagh, Prof. Manish Hate, Dr. Mapari. And Mr. vaibhav Pongade respectively. Dr Samant suggested to shift Organometallic chemistry to TYBSc. Dr. Sandeep Gadgil suggested some good experiments for VSC. Dr. Abhijeet Chavan suggested that paper II for major and minor paper should not be same as it was not allowed by UGC. He also suggested keeping the paper distribution aligned with the University pattern.

The Credit Structure for M.Sc was explained by Prof. Manish Hate. Physical Chemistry, Inorganic Chemistry, Organic Chemistry and Analytical Chemistry was presented by Mr. Avinash Pardhi, Dr. Vasim Sheikh, Dr Niyati Khambete and Ms. Sana Sheikh respectively. Dr. Sugandha Shetye suggested that Semester VI should be based completely on Project Work.

**Resolved that:**

As this involves policy decision, the suggestions will be forwarded to the Academic Council. Dr. Bhange also suggested that a common decision should be taken by the college.

**Agenda III:**

To seek approval for the changes in the Modalities of assessment (Internal Class tests/Assignments etc.), if any.

**Discussed that: -**

**Resolved that: -**

**Agenda IV:**

To seek suggestion on Field Projects/CEP (Community Engagement Programs) to be conducted in Semester III and IV(2024-25)



**Discussed that:**

Dr. Abhijeet Chavan suggested that the projects must be fit in a framework (Define and Quantify project)

Dr. Sugandha shetye suggested that SAYBSc students can create demo experiments and invite students from BMC schools.

Dr. Abhijeet Chavan suggested that community engagement program must be college activity

**Resolved that:**

As this involves policy decision, the suggestions will be forwarded to the Academic Council.

**Agenda V:**

To seek approval for the new certificate courses, if any (for 2024-25)

**Discussed that:**

Dr. Sandeep Gadgil suggested to keep certificate courses in GC, HPLC, HPTLC, DSC, PSA

**Agenda VI:**

Any other matter with the permission of the chair.

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Prof. Manish Hate,

Head, Department of Chemistry

