

Minutes of the BoS in Chemistry Meeting held on 26/09/2022

The meeting of the Board of Studies in Chemistry was convened on 26/09/2022 in the Conference Room, S.P. Mandali's Ramnarain Ruia Autonomous College, Mumbai. The following members were present

Name of the Member	Designation
<u>DEPARTMENTAL FACULTY MEMBERS</u>	
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. 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
Niranjan Sanzgiri	Assistant Professor, Department of Chemistry
Sana Shaikh	Assistant Professor, Department of Chemistry
Ms. Shweta Negi	Assistant Professor, Department of Chemistry
Ms. Shravani Wadekar	Assistant Professor, Department of Chemistry
Ms. Nandini Ajgaonkar	Assistant Professor, Department of Chemistry
MS. Malar Devi Nadar	Assistant Professor, Department of Chemistry
<u>EXTERNAL SUBJECT EXPERTS</u>	
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
Dr. Sandeep Gadgil	GTech Consultancy Services, Thane



Prof. Manish Hate, Head, Dept of Chemistry and the Vice-Principal (Finance) welcomed both external and internal and briefed the delegates about the current agenda. The minutes of the last meeting were in-short discussed with the delegates.

The following was the agenda of the meeting:

- 1) To seek approval for the changes in the modalities of assessment, if any, which includes the question paper pattern, for internal and semester end examination and the assessment of Semester End examinations (Theory/Practical, wherever applicable).
- 2) To seek approval for the new Post Graduate Programmes (if applicable) for the academic year 2023-24 and approve the syllabus for the same.
- 3) To seek approval for the Eligibility for the admission to Post Graduate programmes(If applicable)
- 4) To seek approval for the new certificate courses (for 2023-24), if any.
- 5) To seek suggestions for the implementation of NEP2020 with reference to the inclusion of the following features i) Four Year Undergraduate Program ii) Indian Knowledge System iii) Multidisciplinary/Trans-disciplinary approach iv) Vocational Courses v) Industry academia collaborations vi) Internships.
- 6) Any other matter with the permission of the Chair.

Agenda I: To seek approval for the changes in the modalities of assessment, if any, which includes the question paper pattern, for internal and semester end examination and the assessment of Semester End examinations (Theory/Practical, wherever applicable).

Discussed that:

The grid containing assessment pattern for both UG and PG was put forth in front of the BOS Members. Dr. Gadgil suggested that for PG Internal Assessment, Seminar Presentation must be given higher weightage (30 out of 40 marks) as it makes the learner more ready to face the industry and the corporate world at large. Prof Bhanage and Dr. Sugandha Shetye also recommended that instead of a 100 mark ATKT Paper for UG, the learner should be allowed to appear for the component in which he or she have failed. Also, the experiments which are conducted as a part of the internal assessment in practicals, should be more skill and application based.



Resolved That: As both the suggestions put forth by the BOS Members involved policy decisions that need to be discussed at college level, it was decided that these suggestions would be forwarded to the academic council for further deliberations. The third suggestion will be kept in mind while designing the upcoming syllabus.

Agenda II : To seek approval for the new Post Graduate Programmes (if applicable) for the academic year 2023-24 and approve the syllabus for the same.

Discussed that: Ms. Sana proposed the newly planned Post Graduate Diploma in the field of Product Stewardship and put forth the titles of the modules that would be covered in the same. Dr. Gadgil suggested that instead of Product Stewardship, there should be a Post Graduate Diploma in the field of Environmental, Health and Safety implications of Industrial Products as it has employability options on Global platform. Dr. Samant suggested that in this course, the commerce and the commercial aspects involved in Industry should also be a part of this diploma. While appreciating these ideas, Prof. Chavan and Prof Bhanage expressed their apprehensions about the availability of expertise and the commercial implications of the course. Dr. Gadgil also mentioned that major due diligence needs to be done in order to propose such a course.

Resolved that: The suggestions given by the BOS members were found acceptable to the department members and proper planning of the syllabus will be done and the draft shall be mailed to the members for discussion.

Agenda III: To seek approval for the Eligibility for the admission to Post Graduate programmes (If applicable)

Discussed that: The BOS members suggested to conduct the entrance test, however the syllabus should be put forth well in advance on the college website, so as to gain nationwide participation and also mode of examination should be strictly OFFLINE. Also the cognizance of the UG examination results should be taken into account.

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

Agenda IV: To seek approval for the new certificate courses (for 2023-24), if any.

Discussed that: NA

Resolved that: NA

Agenda V: To seek suggestions for the implementation of NEP2020 with reference to the inclusion of the following features i) Four Year Undergraduate Program ii) Indian Knowledge



System iii) Multidisciplinary/Trans-disciplinary approach iv) Vocational Courses v) Industry academia collaborations vi) Internships.

Discussed that: As the implementation process of NEP2020 is on a very preliminary stage, not much is known about its implementation at College level. Hence as and when any update is received about the same, modifications in the curricula and the teaching-learning process as a whole will be done.

Resolved that: Accepted by the department

Agenda VI: Any other matter with the permission of the Chair.

Discussed that: After the acceptance of the curricula of AECC by the BOS members in the meeting held on 22nd April 2022, it was brought into implementation for the MSc-I students in the Academic year 2022-2023. However, the students weren't very happy with the delivery of the curricula. The BoS members, while continuing to stress on the importance of Emotional Well being for the overall development of the learner, in unison put forth the idea that instead of conducting any exam on this, interactive sessions and project based learning should be the mode of assessment for AECC which in turn would relieve the exam phobia of the students. Dr. Gadgil pointed out that along with normal classroom teaching, motivational speakers should be invited from all walks of life to interact with the students.

Resolved that: Accepted by the department, but as policy decisions are involved, these suggestions would be forwarded to the higher authorities for discussion.

Prof. Manish Hate,

Head, Department of Chemistry



Minutes of the BoS in Chemistry Meeting held on 12/04/2023

The meeting of the Board of Studies in Chemistry was convened on 12/04/2023 in the Online mode. The following members were present.

Name of the Member	Designation
<u>DEPARTMENTAL FACULTY MEMBERS</u>	
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. Mohmad 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. Shweta Negi	Assistant Professor, Department of Chemistry
Ms. Shravani Wadekar	Assistant Professor, Department of Chemistry
Ms. Nandini Ajgaonkar	Assistant Professor, Department of Chemistry
Ms. Malar Devi Nadar	Assistant Professor, Department of Chemistry
Ms. Ranu Bhakto	Assistant Professor, Department of Chemistry
<u>EXTERNAL SUBJECT EXPERTS</u>	
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 and introduced the new members of the department to the external subject experts. He also briefed the delegates about the current agenda. The minutes of the last meeting were in-short discussed with the delegates.

The following was the agenda of the meeting:

1. To seek approval for the change in the number of Credits to be awarded for the undergraduate programs B.A. and B.Sc. (for the students admitted to First Year for the academic year 2022-23) from 132 to 120.
2. To seek approval for the changes in the syllabus for S.Y.B.A./B.Sc./B.VOC. /BACM and T.Y.B. A./B.Sc./B.VOC. /BACM. And MA/MSc. wherever applicable.
3. To seek approval for the Swayam Courses identified by the department.
4. Any other matter with the permission of the Chair.

Agenda I: To seek approval for the change in the number of Credits to be awarded for the undergraduate programs B.A. and B.Sc. (for the students admitted to First Year for the academic year 2022-23) from 132 to 120.

Discussed that:

The number of Credits to be awarded for the undergraduate program B.Sc. (for the students admitted to First Year for the academic year 2022-23) to be changed from 132 to 120 as per the decision of the Academic Council.

Resolved That: As the change in number of credits was a policy decision, the BOS Members approved the change in Credits from 132 to 120 for the undergraduate program B.Sc. (for the students admitted to First Year for the academic year 2022-23)

Agenda II : To seek approval for the changes in the syllabus for S.Y.B.A./B.Sc./B.VOC. /BACM and T.Y.B. A./B.Sc./B.VOC. /BACM. And MA/MSc. wherever applicable.

Discussed that:

It was discussed that there would be no change in the syllabus for S.Y.B.Sc., T.Y.B.Sc. and MSc.

Resolved that:



It was approved by the BOS members that there would be no change in the syllabus for S.Y.B.Sc., T.Y.B.Sc. and MSc. And the current syllabus would be retained for the academic year 2023-2024.

Agenda III: To seek approval for the Swayam Courses identified by the department.

Discussed that: The Head of the department gave a brief background about the Swayam courses to the external BOS members and also mentioned that presently there were no Swayam courses for which the dates have been declared. However, the Swayam courses and their durations along with date of commencement would be available on Swayam portal in the second week of June. In spite of this, the department members viz. Mr. Avinash Pardhi and Dr. Niyati Khambete identified the following courses from previous year which could be proposed next year too, if available.

1. Characterization of Polymers
2. Molecular Thermodynamics
3. Nutrition Science and Clinical Biochemistry
4. Medicinal Chemistry.
5. Prof. Manish Hate also suggested that courses through Social Involvement Program (SIP) could be offered.

The department members also mentioned that the Swayam Courses would be allied of parallel to the subject.

Resolved that:

The Swayam courses suggested by Mr. Avinash Pardhi and Dr. Niyati Khambete were approved by the external members. They also gave the following suggestions

1. Dr. Sandeep Gadgil suggested that Training sessions on Finance could be included where students get exposure to Industrial Finance and other related topics.
2. Dr. Abhijeet Chavan insisted upon the normalization of credits for the Swayam courses. He mentioned that capping of credits was essential while providing the Swayam Courses.

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



Discussed that:

1. The Head of the Department, Prof. Manish Hate mentioned that the results for F.Y.B.Sc and S.Y.B.Sc were unsatisfactory as a result of online to offline transition after the pandemic.
2. He also mentioned that the examination schedule, arrangement of terms needs to be thought upon by the examination Committee.
3. Dr. Abhijeet Chavan mentioned that teachers training courses based on topics like Redox Reactions, Chemical Bonding, Stoichiometry and some simple experiments could be conducted for the betterment of new teachers.

Resolved that:

1. Dr. Sandeep Gadgil suggested that there is a need for paradigm shift in the way Examinations are taken. The College/Department needs to devise new examination pattern, for better results during examinations.
2. All members agreed that students should be given sufficient time for exam preparations, in order to improve the results at the F.Y.B.Sc. and S.Y.B.Sc. level.
3. Dr. Rajesh Samant suggested that the date for M.Sc. entrance exam be declared well in advance, so that all students get a fair opportunity to be admitted for M.Sc. at Ramnarain Ruia Autonomous College. Also the M.Sc. admissions to be done only after Mumbai University B.Sc. results are declared.
4. Dr. Sandeep Gadgil also suggested that teachers must take up projects based on Industry Requirement and get it done from students This would fetch IP and monetary benefits to the Department and a good research exposure to students.



Prof. Manish Hate.

Head, Department of Chemistry

