

## **Minutes of Meeting for BOS Chemistry Department held on 30 June 2023**

**Day: Friday Date: 30/06/2023 Time: 11:30 am**

Google meet link: <https://meet.google.com/gtq-nofi-oxp>

The agenda and details of the meeting are as follows.

1. Welcome and Introduction of all the BOS members.
2. To discuss and approve the NEP Structure of course as per GOM guidelines for UG (Circular based on 20<sup>th</sup> April 2023)
3. To discuss and approve the NEP Structure of course as per GOM guidelines for PG (Circular based on 16<sup>th</sup> May 2023)
4. To finalize & approve F.Y.BSc Chemistry syllabus as per NEP guideline.
5. To finalize & approve MSc Chemistry syllabus as per NEP guideline.
6. Any other matter with the permission of the chair.

An Online Meeting for BOS for Chemistry Department held on **Friday Date: 30.6.2023 Time: 11:30 A.M**

The meeting was chaired by HOD -Mrs. Varsha Ahuja.

It was attended by

1. External Subject Expert Member: **Prof. Bhalchandra Mahadeo Bhanage**, Dean, Infrastructure and Campus Development, Department of Chemistry, Institute of Chemical Technology, Mumbai.
2. University Nominee: **Dr. Nandkishor Chandan**, Vice Principal and Associate Professor, Siddharth College of Arts, Science and Commerce.
3. External university representative-**Dr. Yogita Shinde**, Assistant Professor, Kishinchand Chellaram College, HSNC University, Churchgate .
4. (R&D/ Industry):**Mr. Vaibhav Rasam**, General Manager Supply Chain, Loreal India.
5. Alumnus: Mr. Karun Sodah, Assistant Professor, Kishinchand Chellaram College HSNC University.
6. Faculty members present during the meeting.
  - Dr. Ritika Makhijani
  - Dr. Pooja Jagasia
  - Dr. Dinesh Navale
  - Dr. Prasanna Ranade
  - Ms. Shradha Warang
  - Mr. Manoj Yadav

Following points were discussed:

1. **Welcome and Introduction of all the BOS members.**

The Head, Mrs. Varsha Ahuja welcomed all BOS members.

2. **To discuss and approve the NEP Structure of course as per GOM guidelines for UG (Circular based on 20<sup>th</sup> April2023) PG (Circular based on 16<sup>th</sup> May 2023)**

Head, Mrs. Varsha Ahuja informed all the members of BOS that. as per government **guidelines for UG (Circular based on 20<sup>th</sup> April2023) NEP structure must be implemented from 23-24 onwards.**

As per NEP structure for major chemistry, there will be two theory papers & one practical paper of total 6 credits. The syllabus of chemistry theory papers for both Sem I & Sem II was discussed in detail. Paper I will comprise of Physical & Inorganic chemistry whereas paper II will comprise of Organic & Inorganic chemistry. The contents of the syllabus were discussed with respect to the earlier syllabus. The entire NEP syllabus was designed in a manner where the different subjects focused on fundamental basics as well as on the applications in chemistry. Some suggestions were given with respect to organic chemistry topic they were incorporated. Practical syllabus was discussed & the changes were approved unanimously by BOS members.

The department has decided to conduct **Water Analysis** in Sem I & **Analysis of commercial samples of food** in Sem II under Vocational Skill Course (VSC). The practical aspects of these courses were discussed in detail. The entire syllabus was approved unanimously by BOS members.

Head, Mrs. Varsha Ahuja informed BOS that the department will offer **Laboratory Techniques in Chemistry** in Sem I & **Lab technique in Soil Analysis** in Sem II as Skill enhancement Course (SEC). The practical under this SEC were discussed in detail. The entire syllabus was approved unanimously by BOS members.

It was informed by Head, Mrs. Varsha Ahuja that under NEP, department has to design the course Indian Knowledge System (IKS) “Ancient and modern contribution of India in Chemistry” this course was designed by the department. Entire syllabus & references were also shown to all the members. This course content was highly appreciated by BOS members. Prof. Bhalchandra Mahadeo Bhanage also commented that it is an interesting course & will increase the historical awareness among the students. Dr. Nandkishor Chandan & Mr. Vaibhav Rasam appreciated the course content.

The other essential course which the Chemistry department will offer as per NEP structure is **“Chemistry & Society”** as an open elective to students other than the chemistry department. The course was designed in simple & lucid language. The course depicted the role of chemistry in society. A few inputs were given by Mr. Karun Sodah & they were incorporated in the syllabus.

As per NEP structure there will be minor chemistry, for students other than Chemistry Major students. The Chemistry Minor course will begin from Sem II it will have theory & practical total two credits. The theory syllabus as well practical was discussed in detail. The entire syllabus was approved unanimously by BOS members.

### **3. To discuss and approve the NEP Structure of course as per GOM guidelines for PG (Circular based on 16<sup>th</sup> May 2023)**

Dr. Ritika Makhijani informed all the members of BOS that as per government **guidelines for PG (Circular based on 16<sup>th</sup> May 2023) NEP structure must be implemented from 23-24 onwards.**

As per NEP structure for PG chemistry (MSc Part I), there will be two theory papers each of four credits along with two practical papers, four credits & two credits respectively.

The syllabus of chemistry theory papers for both Sem I & Sem II was discussed in detail. Paper I will comprise two units of physical & two units of Inorganic chemistry whereas paper II will comprise of Organic & Analytical chemistry two units each. The contents of the syllabus were discussed with respect to the earlier syllabus. The entire syllabus was designed in a manner where the different subjects focused on fundamental basics as well as on the applications in chemistry. Some suggestions were given with respect to analytical chemistry topic they were incorporated. Practical syllabus was discussed & the changes were approved unanimously by BOS members.

Dr. Ritika Makhijani informed that there is an elective theory & practical two credit each for MSc students. Few of the important theory topics from the previous syllabus were incorporated in the elective which was named as “Advanced concepts in chemistry.”

The other elective will be “Industrial Chemistry” The syllabus for the same was also discussed. All the BOS members harmoniously agreed and approved the syllabus.

It was also informed that there will be Minor compulsory paper ‘Research Methodology’ for four credits. The syllabus for this course was retained the same.

### **4 To finalize & approve F.Y. BSc Chemistry syllabus as per NEP guideline.**

### **5. To finalize & approve MSc Chemistry Part I syllabus as per NEP guideline**

Prof. Bhalchandra Mahadeo Bhanage, & Dr. Yogita Shinde appreciated the input of the entire department and said that as per NEP entire syllabus was very well formulated and prepared suitable credits.

Dr. Nandkishor Chandan & Mr. Karun Sodah were delighted to see the IKS & Vocational syllabus contents and said that it will definitely help the students.

Mr. Vaibhav Rasam was thrilled to see the practical contents of Skill enhancement Course (SEC) & said it will boost students’ practical skills, which are required in industry.

All the BOS members liked the NEP structure & hoped that it will help in future to all students & stakeholders.

**Entire Syllabus for F.Y. BSc Chemistry & MSc Chemistry Part I as per NEP was approved unanimously by BOS members**

### **5. Any other matter with the permission of the chair follows**

For VSC & SEC the evaluation will be 50 marks practical examination.

For Open elective “Chemistry & Society” the evaluation will be internal examination (Class test/assignment/ project/active participation the class) It was also informed to BOS members that for Chemistry Major practical & theory department will follow the same pattern, which was approved in previous syllabus.

New instructions as per the university guidelines for NEP will be incorporated.

The meeting was adjourned after expressing thanks to the chair.