

Minutes of Meeting for BOS Chemistry Department held on 29th Feb 2024

Day: Thursday Date: 29/02/2024 Time: 11:00 am

Google meet link: <https://meet.google.com/btw-eosg-ewd>

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 20th April 2023) & To discuss and approve the NEP Structure of course as per GOM guidelines for PG (Circular based on 16th May 2023)
3. To finalize & approve S.Y.BSc Chemistry syllabus as per NEP guideline.
& To finalize & approve MSc Chemistry II syllabus as per NEP guideline.
4. Any other matter with the permission of the chair.

An Online Meeting for BOS for Chemistry Department was held on **Thursday**

Date: 29.2.2024 Time: 11:00 A.M

Meeting was chaired by HOD - Dr. Ritika Makhijani.

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. 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, Dr. Ritika Makhijani welcomed all BOS members.
 2. **To discuss and approve the NEP Structure of course as per GOM guidelines for UG (Circular based on 20th April 2023) PG (Circular based on 16th May 2023)**
- Head, Dr. Ritika Makhijani informed all the members of BOS that. as per government **guidelines for UG (Circular based on 20th April 2023) NEP structure must be implemented from 23-24 onwards.**

- She further informed that FYBSc and MSc I syllabus had NEP structure in the academic year 23-24 it was great success. In the next academic year 24-25 the college will follow NEP Structure for S.Y.BSc. & MSc (II).
- As per NEP structure in SYBSc there will be Major Chemistry subject, minor Chemistry.
- Vocational Skill Course (VSC), Skill enhancement Course (SEC) & other elective. The entire structure along with the credits was shown to BOS members.
- Dr. Pooja Jagasia informed all the members of BOS that as per government guidelines for PG (Circular based on 16th May 2023) NEP structure has been implemented from 23-24 onwards successfully. Dr. Pooja Jagasia showed the entire NEP structure for MSc II to all the BOS members.

**3. To finalize & approve S.Y.BSc Chemistry syllabus as per NEP guideline.
To finalize & approve MSc Chemistry II (Organic & Analytical Chemistry) syllabus as per NEP guideline**

- As per NEP structure for major chemistry, there will be two theory papers of 2 credit each & one practical paper of 4 credits. The syllabus of chemistry theory papers for both Sem III & Sem IV was discussed in detail. Paper I (Progressive Physical and Analytical Chemistry I) will comprise of physical & Analytical chemistry whereas paper II (Progressive Organic and Inorganic Chemistry I) 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. It was suggested by BOS members the in the analytical chemistry some analytical techniques should be removed & the changes were incorporated. Practical syllabus was discussed & was approved unanimously by BOS members.
- Head, Dr. Ritika Makhijani informed BOS that the department will offer **Applied Chemistry** in Sem III under Vocational Skill Course (VSC). The practical under this courses were discussed in detail. The practical also included the introduction of CHEM DRAW and its application. The entire syllabus was approved unanimously by BOS members. Prof. Bhalchandra Mahadeo Bhanage also commented that it is an interesting course & will increase the soft skills 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 **“Medicines in Daily life”** as an open elective to students other than the chemistry department.
- The course was designed in simple & lucid language. The course also depicted the chemistry behind home remedies. A few inputs were given by Mr. Karun Sodah & they were incorporated in the syllabus.
- As per NEP structure there will be minor chemistry, The Chemistry Minor course will be there in Sem III & Sem IV it will have theory & practical two credits each. The theory syllabus as well practical was discussed in detail. The entire syllabus was approved unanimously by BOS members.

MSc Analytical Chemistry:

- Dr. Pooja Jagasia informed BOS that as per NEP structure for Analytical Chemistry (MSc Part II), there will be two theory Papers each of 4 credits, Paper I Advanced Analytical Chemistry I & Paper II Advanced Analytical Chemistry II. There will be two practical Papers each of 4 credits & 2 credits respectively. (Paper III Practical based on Advanced Analytical chemistry II & Paper IV Practical based on Advanced Analytical chemistry IV)

MSc Organic Chemistry II :

- Dr. Pooja Jagasia informed BOS that as per NEP structure for Organic chemistry (MSc Part II), there will be two theory Papers each of 4 credits, Paper I Advanced Organic Chemistry I & Paper II Advanced Organic Chemistry II. There will be two practical Papers each of 4 credits & 2 credits respectively. (Paper III Practical based on Advanced Organic chemistry III Credits: 4) & (Paper IV Practical based on Advanced Organic chemistry IV Credits 2) . Practical papers are a total of 4 credits in Sem-4 .
 - The syllabus of chemistry theory papers for both Sem III & Sem IV was discussed in detail. The entire syllabus was designed in a manner where the different subjects focused on conceptual theory as well as on the applications in chemistry. Some suggestions were given for the analytical chemistry topic they were incorporated in. Practical syllabus was discussed & the changes were approved unanimously by BOS members.
 - Dr. Pooja Jagasia informed that there is an elective theory 4 credit each for MSc students for both Analytical and Organic Chemistry. Few of the important theory topics from the previous syllabus were incorporated in the elective which was named as “Advanced concepts in chemistry.” All the BOS members harmoniously agreed and approved the syllabus. Dr. Pooja Jagasia told that in sem III MSc there are research project of 4 credit & research projects of 6 credits in sem IV.
 - Prof. Bhalchandra Mahadeo Bhanage, & Dr. Yogita Shinde appreciated the input of the entire department and said that as per NEP credits then the entire syllabus was well formulated and made.
 - Dr. Nandkishor Chandan & Mr. Karun Sodah were also delighted to see the Vocational syllabus contents and said that it will definitely help the students.
 - Mr. Vaibhav Rasam was thrilled to see the CHEM DRAW in practical of Vocational Course (VSC) & said it will boost students’ practical skill. which is 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 S.Y.BSc Chemistry & MSc Chemistry Part II as per NEP was approved unanimously by BOS members**
4. **Any other matter with the permission of the chair follows**
- It was also informed to BOS members that marking scheme will be 40 % internal & 60 % external. New instructions as per the university guidelines for NEP will be incorporated in the syllabus whenever received from university.
 - The meeting was adjourned after expressing thanks to the chair.