

Minutes of Meeting for BOS Chemistry Department held on 13 March 2025

Day: Tuesday Date: 13/03/2025 Time: 2:00 pm

Google meet link: <https://meet.google.com/uqe-skft-utx>

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 T.Y.BSc Chemistry syllabus (SEM V & SEM VI) 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 **Tuesday**

Date: 13 /03/2025 Time: 11:30 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. Faculty members present during the meeting.
 - Dr. Pooja Jagasia
 - Dr. Dinesh Navale
 - Dr. Prasanna Ranade
 - Ms. Shradha Warang
 - Ms. Divya Khare

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 current academic year 24-25 the college is following the same for SYBSc & MSc (II). In the next academic year 25-26 the college will follow NEP for TYBSc.

NEP structure TYBSc will be as follows:

- Major Chemistry subject **10 credits** (6 credits theory & 4 credit Practical),
- Minor Chemistry **4 credits** (2 credits theory & 2 credit Practical)
- Vocational Skill Course **2 credits** (VSC) (2credits Practical)
- Elective in chemistry **4 credits** (2 credits theory & 2 credit Practical)
- Field Project/ CEP **2 credits**

The entire structure along with the credits was shown to BOS members.

3.To finalize & approve T.Y.BSc (SEM V & SEM VI) Chemistry syllabus as per NEP guideline.

As per NEP structure for major chemistry, there will be three theory papers of 2 credit each & one practical paper of 4 credits. The syllabus of chemistry theory papers for the Sem V & Sem VI was reviewed in detail.

Paper I (Physical and Analytical Chemistry) will comprise of physical & Analytical chemistry whereas paper II will comprise of Inorganic Chemistry & paper III will comprise of Organic chemistry.

The contents of the syllabus were reviewed & 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 analytical chemistry topic they were incorporated. Practical syllabus which is of 4 credits comprise of Physical, Analytical, Inorganic & organic practical. The syllabus was reviewed & discussed in detail and were approved unanimously by BOS members.

Head, Dr. Ritika Makhijani informed BOS that the department will offer two electives i) **Tools & techniques in Chemistry** ii) **Drugs & Dyes** in Sem V & Sem VI. The students will have the options to select the elective. Tools & techniques in Chemistry included spectroscopy & quantitative & qualitative analysis The syllabus of both the electives (applied component) were discussed in detail & the changes were approved unanimously by BOS members.

The practical under both the electives were discussed in detail. The practical included the application of spectroscopy The entire syllabus was approved unanimously by BOS members. Prof. Bhalechandra Mahadeo Bhanage commented that syllabus has been tailored in proper way. The teachers will be able to complete the portion as per the university norms & it will increase the knowledge of the students. Dr. Yogita Shinde appreciated the course content of **tools & techniques of chemistry**.

The other essential course which the Chemistry department will offer as per NEP structure is **“Industrial Chemistry”** as a VSC to students of the chemistry department.

The course was designed in simple & lucid language. The course also depicted the simple industrial & commercial practices in chemical industries. Dr. Nandkishor Chandansaid that all the principles of green chemistry must be imbibed while doing the practicals.

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

Prof. Bhalchandra Mahadeo Bhanage, & Dr. Yogita Shinde were thrilled to review the comprehensive syllabus content of TYBSC NEP.

Dr. Nandkishor Chandan & Mr. Vaibhav Rasam, welcomed the elective chemistry syllabus contents and said that it will definitely help the students to crack the interview on the industry

All the BOS members appreciated the NEP syllabus of TYBSC & predicted that it will greatly benefit the students & stakeholders.

SEM VI Syllabus for T.Y.BSc Chemistry 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 for practical & theory examination department will follow pattern as discussed & approved in previous BOSmeeting. Marking scheme will be 40 % internal & 60 %external New instructions as per the university guidelines for NEP will be incorporated.

The meeting was adjourned after expressing thanks to the chair.