

Vision : To be a leader in Pharmacy Education, Pharmacy Training and Research in Pharmaceutical Sciences

Mission : To educate and train students in the knowledge and practice of pharmaceutical sciences

To contribute to improvement of health of the society through education programs

To contribute to improvement of health of the society through research programs

BoS/UG/003/2021

07/10/2021

### Minutes of the UG-BoS Meeting

The minutes of the **3<sup>rd</sup> Undergraduate Board of Studies (UG-BoS)** meeting of Bombay College of Pharmacy-Autonomous (BoS/UG/003/2021) held **Online on Thursday, 7<sup>th</sup> October 2021**, on **Microsoft Teams** are as follows

#### The following UG-BoS members were present for the meeting

1. Dr. Krishna Iyer (I/c Principal and Chairperson, Undergraduate Board of Studies (UG-BoS), Bombay College of Pharmacy)
2. Dr. Ujwala Shinde (Member Secretary, UG-BoS and HOD-Pharmaceutics, Bombay College of Pharmacy)
3. Dr. Premlata Ambre (HOD-Pharmaceutical Chemistry, Bombay College of Pharmacy)
4. Dr. Vaishali Shirsat (HOD-Pharmaceutical Analysis, Bombay College of Pharmacy)
5. Dr. Alka Mukne (HOD-Pharmacognosy, Bombay College of Pharmacy)
6. Dr. Sadhana Sathaye (Prof. of Pharmacology, Institute of Chemical Technology, Mumbai)
7. Dr. K.S.Laddha (Prof. of Pharmacognosy, Institute of Chemical Technology, Mumbai)
8. Dr. Pratima Tatke (Principal and Prof. of Pharmaceutical Chemistry, C.U.Shah College of Pharmacy, S.N.D.T Womens University, Juhu Campus, Mumbai)
9. Dr. Ashish Baktiwale (Managing Director, Navigo Analytix India, Mumbai)
10. Dr. Ratnakar Mehendre (Technical Director, Gelnova Laboratories (I) Pvt.Ltd., Navi Mumbai)

Dr. Shalaka Dhat from Bombay College of Pharmacy-Autonomous was present at the meeting to note down the minutes of the UG-BoS meeting and coordinate overall conduct of the meeting.

At the onset of the meeting, Dr. Krishna Iyer welcomed all the esteemed members of the UG-BoS, Bombay College of Pharmacy-Autonomous for their presence at the meeting. Dr. Iyer then proceeded with the agenda for the meeting. Every point in the agenda was taken up for discussion and resolved subsequently.

*7/10/21*  
*WAT*



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### Agenda points with discussion and resolution

#### 003.01 To confirm the minutes of the previous UG-BoS meeting (BoS/UG/002/2020) held on Friday, 16<sup>th</sup> October 2020

The minutes of the previous (2<sup>nd</sup>) UG-BOS meeting (BoS/UG/002/2020) held on Friday 16<sup>th</sup> October 2020 were circulated to all the members prior to the meeting by mail. Since there were no changes in the minutes of the last meeting, all the members unanimously agreed to confirm the minutes of the previous UG-BoS meeting.

*It was unanimously recommended by the members of UG-BoS, that the minutes of the 2<sup>nd</sup> UG-BoS meeting (BoS/UG/002/2020) of Bombay College of Pharmacy -Autonomous held on Friday, 16<sup>th</sup> October 2020 be approved.*



#### 003.02 To approve the syllabus of T. Y. B.Pharm and Final Year B.Pharm based on PCI prescribed Rules, Regulations, and syllabus for B.Pharm Course (PCI B.Pharm Regulations 2014).

Dr. Iyer mentioned that based on the PCI recommendations, the syllabus for T.Y.B.Pharm (Semester V and Semester VI) and Final year B.Pharm (Semester VII and Semester VIII) had been adopted with effect from 2021-2022 with a few modifications in terms of expanding, rearranging, adding additional references, and adding Course Objectives, Course Outcome to every subject covered under PCI syllabus. Dr. Iyer then requested the heads of each department to highlight the modifications made by them with respect to syllabus of both T.Y.B.Pharm and Final Year B.Pharm. Dr. Premlata mentioned that PCI had covered all the topics under Pharmaceutical/ Medicinal Chemistry in the theory as well as practical syllabi and the department had to only fine tune the syllabus to present day knowledge. Dr. Ujwala highlighted the areas where the syllabi/topics related to the Pharmaceutics had either been expanded for in depth learning or the topics in the syllabus were rearranged or at places few additions were made to the syllabus. She added that for whatever changes were made to the curriculum, care had been taken to ensure that the changes do not exceed more than 20% of the PCI syllabus and the additional topics do not require more than 1-2 additional teaching hours, which can be adjusted with the teaching hours for the topics requiring less than recommended hours as per PCI.

*Anu 11/2*  
*WAK*

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Dr. Alka Mukne mentioned that most of the required topics were covered in PCI syllabus and no changes were made for subjects covered by the Department of Pharmacognosy and Phytochemistry. Dr. Shirsat mentioned that for a few topics covered under Department of Pharmaceutical Analysis, the details, if not mentioned by the PCI syllabus, have been incorporated. She added that Validation of analytical methods has been added to the list of practicals mentioned by PCI and stated that this would be valuable addition for the students joining the industry. The suggestions received from the Department of Pharmacology regarding changes requested in the syllabus were shared with the committee members and Dr. Sadhana approved the same. In response to Dr. Iyer's query regarding role of stakeholders in making modifications to the syllabus, Dr. Ujwala mentioned that senior teachers Dr. Mangal Nagarsenker and Dr. Mala madam, Stakeholders from the industry; Dr. Chitra Shah and Dr. Anandi Krishnan were instrumental in fine tuning the syllabus of subjects covering topics such as Pharmaceutical Product Development, scale up etc covered under Department of Pharmaceutics. Dr. Vaishali Shirsat shared that the syllabus of UG was shared with Stakeholders from the industry namely Dr. Vijay Kshirsagar, Dr. Mandar Kodgule and Dr. Yogita Kodgule. She added that suggestions received from Dr. Kshirsagar were more industry relevant and were covered under the elective of Pharmaceutical Quality Assurance which inturn is included as an Elective at Final year B.Pharm. Dr. Mandar and Dr. Yogita Kodgule emphasized on conducting a short-term course separately on Instrument Handling for the undergraduate students so that they are well versed with the operation of instruments before joining the industry.

*After discussions and deliberations, the UG-BoS unanimously agreed that the current PCI syllabus for T.Y.B.Pharm (Sem V and Sem VI) and Final Year B.Pharm (Sem VII and Sem VIII) be adopted by Bombay College of Pharmacy-Autonomous with the modifications, and changes, suggested by the respective Heads of the Department, provided the same lies within the framework of syllabus specified by PCI.*

*Alka Mukne*  
*WTS*

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**003.03 To approve the syllabus for Online Certificate Course in 'Patenting of NDDS and Specialty [505(b) (2)] products offered by Bombay College of Pharmacy and Pharma Literati in association with The Indian Pharmaceutical Association-Maharashtra State Branch.**

Dr. Krishna Iyer elaborated on the 2 month online certificate course in 'Patenting of NDDS and Specialty [505(b) (2)] products offered by Bombay College of Pharmacy and Pharma Literati in association with The Indian Pharmaceutical Association-Maharashtra State Branch. Dr. Iyer briefly discussed three modules covering the syllabus of the course. Dr. Ratnakar and other members appreciated the initiative taken by Bombay College of Pharmacy to start a certificate course on patenting. Dr. Laddha suggested that a third party audit be conducted after every two batches of students pass out. Mr. Ashish seconded the same and mentioned that a protocol for the same be made, since few such courses have been initiated at Bombay College of Pharmacy-Autonomous.

*After discussions and deliberations, the UG-BoS members of Bombay College of Pharmacy-Autonomous unanimously recommended that the syllabus for Online Certificate Course in 'Patenting of NDDS and Specialty [505(b) (2)] products offered by Bombay College of Pharmacy and Pharma Literati in association with The Indian Pharmaceutical Association-Maharashtra State Branch be approved.*

**003.04 To approve the syllabus of Universal Human Values-II course (AICTE Initiative) equivalent to 45 teaching hours and 03 credits at the Sem II (M.Pharm)**

Dr. Iyer gave a brief background regarding the Universal Human Values (UHV-I) course introduced by AICTE. He added that majority of the faculty at Bombay College of Pharmacy-Autonomous had covered the training provided by AICTE for UHV-I. Prof Iyer stated that in line with AICTE, University of Mumbai had taken initiative to design the syllabus for UHV-II course to be followed by all colleges affiliated to University of Mumbai. He mentioned that Bombay College of Pharmacy had decided that the same syllabus offered by University of Mumbai would be adopted at Bombay College of Pharmacy for T.Y.B.Pharm (Sem V).

Dr. Premlata, In-charge of Universal Human Values initiative at Bombay College of Pharmacy, explained in brief about the UHV-I course (3day/5day/7 day) offered for faculty members by AICTE over the past three years. She added that 10-11 faculty members had completed UHV-I course and as per AICTE mandate had initiated introduction of UHV to newly admitted First year B.Pharm, directly admitted S.Y.B.Pharm as

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well as M.Pharm students during Student Induction Program (SIP). She mentioned that UHV-II course offered by AICTE is a residential course and the faculty is required to be present at the pre decided centre for completing the course. She added that so far, no faculty has been trained in UHV-II due to covid -19 pandemic wherein residential course was neither feasible nor was it arranged by AICTE.

Dr. Iyer added that though faculty members had completed UHV-I course, it was proposed to hire external faculty for teaching the syllabus. He also mentioned that the course of 45 hours and 03 credits will be mandatorily completed by the students for the award of B.Pharm degree and would be above the requirements of PCI syllabus. Dr. Iyer further added that the course will be mentioned in the marksheet of the students, however the credits will not be considered for final marks and CGPA calculation. Dr. Iyer added that the students will be awarded a separate course completion certificate with credits mentioned therein.

Dr. Sathaye , Dr. Tatke and Dr. Ratnakar appreciated the initiative taken in starting the Credit course on UHV-II.

*After discussions and deliberations, the UG-BoS members of Bombay College of Pharmacy-Autonomous, unanimously recommended that the proposed syllabus for UHV-II course be approved.*

### 003.05 Any other matter with the permission of the Chair.

As there were no other matters to be discussed, the meeting was concluded with Vote of Thanks to the Chair.

*Dr. Krishna Iyer*

**Dr. Krishna Iyer**

I/c Principal and Chairman UG-BoS  
Bombay College of Pharmacy-Autonomous

**PRINCIPAL**

Bombay College of Pharmacy  
Kalina, Mumbai - 400 098.



*Dr. Ujwala Shinde*

**Dr. Ujwala Shinde**

Head-Department of Pharmaceutics and  
Member-Secretary, UG-BoS  
Bombay College of Pharmacy-Autonomous

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