



3<sup>rd</sup> BoS-Pche meeting-6<sup>th</sup> September 2025



**Anand Pharmacy College, Anand**  
(An Autonomous College under UGC regulations, 2023)  
(Managed by Shri Ramkrishna Seva Mandal)  
(Approved by PCI, NAAC Accredited – A+ Grade, 3.38 CGPA)

**Board of Studies (Pharmaceutical Chemistry and Quality Assurance Department)**

**Minutes of the Second Meeting of the Board of Studies (BoS)**  
**Pharmaceutical Chemistry and Quality Assurance (BoS – Pche)**

The Third Meeting of Board of Studies - Pharmaceutical Chemistry and Quality Assurance Department (BoS -Pche) held on hybrid mode on Saturday, 6<sup>th</sup> September, 2025 at 10:30am.

**Attendance**

Refer to **Annexure I** for the attendance record of members who participated in hybrid mode.

**Members who joined via online mode:**

1. Dr. Manjunath Ghate – Director, National Forensic Science University, Dharwad Campus, Karnataka

**Members present for the meeting:**

1. Dr. Purvi Shah - Dean, Doctoral Studies and Research, Parul University, Vadodara
2. Dr. Haresh M. Patel - Senior Manager, Sun Pharmaceutical Industries Ltd, Vadodara
3. Dr. Kalpana G. Patel – Professor, Anand Pharmacy College, Anand
4. Dr. Rajesh R. Parmar – Chairperson and Professor, Anand Pharmacy College, Anand
5. Dr. Hitesh G. Raval – Professor, Anand Pharmacy College, Anand
6. Dr. Devang B. Tandel - Associate Professor, Anand Pharmacy College, Anand
7. Dr. Gopi Patel, Associate Professor, Anand Pharmacy College, Anand
8. Ms. Hemangini P. Patel – Assistant Professor, Anand Pharmacy College, Anand
9. Ms. Nehanaz F. Saiyed – Assistant Professor, Anand Pharmacy College, Anand
10. Ms. Hiteshi D. Chadha – Assistant Professor, Anand Pharmacy College, Anand
11. Ms. Mansi Patel – Assistant Professor, Anand Pharmacy College, Anand
12. Ms. Droma H. Patel – Assistant Professor, Anand Pharmacy College, Anand
13. Ms. Jhanvi Patel – Assistant Professor, Anand Pharmacy College, Anand
14. Ms. Vedika Thakkar – Assistant Professor, Anand Pharmacy College, Anand
15. Ms. Jagruti Vasava – Assistant Professor, Anand Pharmacy College, Anand
16. Ms. Anchal Shukla – Assistant Professor, Anand Pharmacy College, Anand

**Members who conveyed their absence:**

Anand Pharmacy College, Anand



*K. Kalpatil*  
(Dr. Kalpana Patel)

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1. Dr. Priti Mehta - Professor & Head, Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad
  2. Ms. Iva Dhulia - Associate Director, Regulatory Affairs, Isaazi Pharma and Techno Consultancy, Pvt. Ltd. Ahmedabad
  3. Ms. Nima D. Suthar — Assistant Professor, Anand Pharmacy College, Anand
- Dr. Rajesh R. Parmar, Chairperson of the Board of Studies – Department of Pharmaceutical Chemistry, extended a warm welcome to all the members.

#### Agenda-wise Proceedings

##### **BoS–PChe 3.1: Passing of minutes of last meeting held on 5<sup>th</sup> March 2025**

The minutes of the previous meeting were reviewed.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutical Chemistry department unanimously approved the minutes of meeting of 2<sup>nd</sup> BoS Pharmaceutical Chemistry department [Annexure-I].

##### **BoS–PChe 3.2: Action taken report of meeting held on 5<sup>th</sup> March 2025**

The action taken report of the meeting held on 5<sup>th</sup> March 2025 was presented and duly noted. Dr. Purvi Shah and Dr. Haresh Patel appreciated that the compliance was presented in a tabular format, making it easier and effective to review in line with the suggestions from the previous BoS meeting.

**Resolution:** The Board of Studies reviewed the Action Taken Report and expressed satisfaction with the actions carried out. The report was accepted and approved [Annexure II].

##### **BoS–PChe 3.3 : Review and approval of syllabus of subjects of Pharmaceutical Chemistry department**

The syllabus for B. Pharm Semester V & VI and Pharm D Third Year were prepared and presented for review.

##### **3.3.1 B. Pharm – Fifth & Sixth Semester**

###### **3.3.1.1 Medicinal Chemistry II (B010505TT)**

In the references section, Dr. Purvi Shah advised standardizing the reference style for uniformity and emphasized the inclusion of the latest editions of textbooks to provide students with updated knowledge.

###### **3.3.1.2 Medicinal Chemistry III (B010602TP)**

Dr. Purvi Shah observed that Unit 1 and Unit 2 in the syllabus carry the same heading, “Antibiotics” and recommended distinguishing them based on the category of antibiotics to enhance clarity.



*Khulati*  
*(Dr. Kalpana Patel)*

Dr. Manjunath Ghate He also recommended enriching Unit 2 (Antimalarials) by including subtopics such as history, introduction and a case study.

### 3.3.1.3 Biostatistics & Research Methodology (B010606TT)

In Unit 4, Dr. Haresh Patel suggested the inclusion of GraphPad software.

For Unit 5, Dr. Purvi Shah recommended adding preliminary screening and optimization designs such as BBD and Plackett–Burmann, and further advised reframing the syllabus to accommodate these newly added subtopics in addition to the PCI-prescribed content.

### 3.3.2 Pharm D – Third Year

#### 3.3.2.1 Pharmaceutical Analysis (P020305TP):

Dr. Manjunath Ghate proposed the inclusion of a case study on mass spectroscopy in theory. Dr. Kalpana Patel further recommended incorporating this topic into the M. Pharm and B. Pharm curricula as well, noting that in Pharm D it is only introductory with a weightage of two hours.

#### 3.3.2.2 Medicinal Chemistry (P020306TP):

Dr. Haresh Patel recommended incorporating one compound MSDS in the practical of B. Pharm, M. Pharm, and Pharm D to enhance students' awareness regarding the toxicity and safety of chemicals. Dr. Purvi Shah recommended to differentiate synthetic anti-tubercular agents from anti-tubercular antibiotics.

**Resolution:** The committee reviewed the syllabus and approved the suggested corrections in both theory and practical components. It was resolved that the syllabus be updated with the agreed modifications and it was finalized and approved for implementation from the forthcoming academic session [Annexure III].

### BoS–PChE 3.4: Review and approval of Course outcomes of subjects of Pharmaceutical Chemistry department

In general, the experts advised that the COs be made more precise and aligned with the syllabus as well as the competencies expected of pharmacy graduates. Subject-wise feedback was recorded and considered for revision.

#### 3.3.1 B. Pharm – Fifth & Sixth Semester

##### 3.3.1.1 Medicinal Chemistry II (B010505TT)

Dr. Haresh Patel recommended revising CO2, CO3, and CO4 to better reflect the aspects of SAR, mechanism and synthesis covered in the syllabus.

Dr. Manjunath Ghate suggested modifying CO3 by using an alternate Bloom's level in place of 'analyze.'



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Kulpati  
Cdr. Kalpana Patel

### 3.3.1.2 Medicinal Chemistry III (B010602TP)

Dr. Purvi Shah suggested revising CO1 by removing the mention of 'side effects.

Dr. Haresh Patel recommended using the plural form 'synthesis of drugs' in CO6.

In the practical COs, Dr. Manjunath Ghate advised retaining only the term 'synthesis' in CO5 instead of 'preparation and synthesis.'

### 3.3.1.3 Biostatistics & Research Methodology (B010606TT)

#### 3.3.2 Pharm D – Third Year

##### 3.3.2.1 Pharmaceutical Analysis (P020305TP):

Dr. Purvi Shah suggested adding the term 'analytical techniques' to CO4 with a focus on spectroscopy, and recommended removing the word 'analyze' from CO4.

Dr. Haresh Patel advised deleting the phrase 'hands-on proficiency' in CO6 and separating demonstration and performance components based on practical and demonstration experiments.

##### 3.3.2.2 Medicinal Chemistry (P020306TP):

Dr. Haresh Patel recommended correcting grammatical errors in the COs by using the term 'agents' (plural) throughout, adding the word 'uses' in CO3, and including 'parameters' in CO6.

Dr. Purvi Shah advised reframing CO4 at an appropriate Bloom's level and further suggested updating the references and list of practical with the latest edition of the Indian Pharmacopoeia (IP).

**Resolution:** After discussion and deliberations, the BoS Pharmaceutical Chemistry department unanimously recommended the Course Outcomes of subjects of Pharmaceutical Chemistry department, be approved with modifications as mentioned above to be implemented as per the recommendation of BoS- Pharmaceutical Chemistry department.

#### BoS-PChE 3.5: Review and approval of revised academic term plans (2025-26)

The academic calendar for the academic year 2025–26, related to the teaching–learning schedule, was reviewed by the expert members. The revised calendars for B. Pharm Semester III and Semester IV were presented with proposed changes from the previous BoS meeting.

Dr. Purvi Shah suggested providing a one-week vacation for B. Pharm Semester III students, which would consequently extend the term-end examination date for Semester IV to the end of April 2026.

**Resolution:** The revised academic term plans for 2025–26 were reviewed and accepted by the committee. [Annexure V]



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*Dr. Kalpuna Palit*

**BoS-PChE 3.6: Review and approval of panel of examiners for all programs**

Dr. Rajesh Parmar presented the proposed panel of examiners for Dissertation Phase I and Phase II of M. Pharm Semesters III and IV in the Pharmaceutical Quality Assurance and Regulatory Affairs departments.

The panels for B. Pharm Semesters I-IV, Pharm D First and Second Year, and M. Pharm Semesters I-III were also presented. The members reviewed the proposed list.

Dr. Haresh Patel suggested including experts from the pharmaceutical industry. It was clarified that an M. Pharm qualification is mandatory; however, Dr. Haresh Patel was requested to help identify highly experienced industry professionals who meet the requirement.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutical Chemistry department unanimously reviewed the panel of examiners for thesis submitted by research scholars [Annexure – IV].

**BoS-PChE 3.7: Review and approval of revision in exam manual**

The amendments to the examination manual were reviewed for B. Pharm Semester III SEC subjects and Pharm D SEC/VAC/MDS subjects, ensuring flexibility in examination papers in line with NEP for subject-specific assessments.

Dr. Rajesh Parmar presented the SEC practical subjects of M. Pharm Semester III for internal evaluation, along with the proposed CIE evaluation weightage. The amendments were reviewed and approved without further suggestions.

**Resolution:** The revisions in the examination manual were reviewed and approved by the committee.

**BoS-PChE 3.8: Review of result analysis of various programs**

The result analysis of the B. Pharm, M. Pharm, and Pharm D programs was presented. The results of Pharmaceutical Chemistry subjects (B. Pharm and Pharm D) and of Pharmaceutical Quality Assurance and Regulatory Affairs (Semesters I & II) and Pharm D First Year were reviewed by the experts.

As the results of Biochemistry (B. Pharm – Semester II) were not satisfactory, Dr. Purvi Shah and Dr. Haresh Patel recommended organizing make-up classes, strengthening students' written practice, and adopting a revised strategy to improve overall performance.

**Resolution:** The result analysis was reviewed by the committee.

**BoS-PChE 3.9: Review of quality of question papers of examination conducted (Internal and External)**

The internal and external examination question papers were reviewed, with no major concerns raised. The quality of B. Pharm, M. Pharm, and Pharm D papers was evaluated in terms of clarity, curriculum



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*(Dr. Kalpana Patel)*

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coverage, Bloom's taxonomy, and alignment with course outcomes. Dr. Haresh Patel provided specific feedback on the 2024-25 sessional and term-end question papers, while other experts were requested to submit their evaluations through the provided online link.

The discussion highlighted the importance of maintaining appropriate difficulty levels and ensuring industry relevance in framing questions.

Dr. Purvi Shah appreciated the initiative of conducting a brainstorming meeting with faculty in June 2025 to incorporate their recommendations and enhance the quality of future assessments.

**Resolution:** The quality of internal and external exam question paper was rated from good to excellent and further resolved to schedule an orientation session for drawing question papers for quality improvement.

#### **BoS-PChe 3.10: Update on ongoing certificate courses**

An update was presented on the second batch of the Certificate Course on Life Cycle of Pharmaceutical and Medical Device Management (Jan-May 2025), coordinated by Dr. Devang and Dr. Gopi Patel. The course was successfully completed and the examinations were conducted.

**Resolution:** The certificate course was reviewed by the committee.

#### **BoS-PChe 3.11: Review and approval of new certificate course on Packaging**

A new certificate course on Packaging was developed in line with the suggestions from the previous BoS meeting. The syllabus was framed in accordance with regulatory guidelines and industry requirements, and reviewed by experienced packaging experts from the industry before being restructured accordingly. The proposal was presented for review. Dr. Purvi Shah suggested reframing certain topics, such as testing of packaging materials, to avoid duplication and to reorganize the content unit-wise for better clarity. She further suggested including participants from external institutions and industry to broaden the scope and applicability of the course.

Dr. Purvi Shah and Dr. Haresh Patel suggested that new certificate courses be developed in niche areas, incorporating topics such as GD, GLP, ALCOA++, GxP, QRM, QMS, Quality Circle, and 5-S, with proportionate enhancement of contact hours.

**Resolution:** The proposed certificate course was reviewed by the committee.



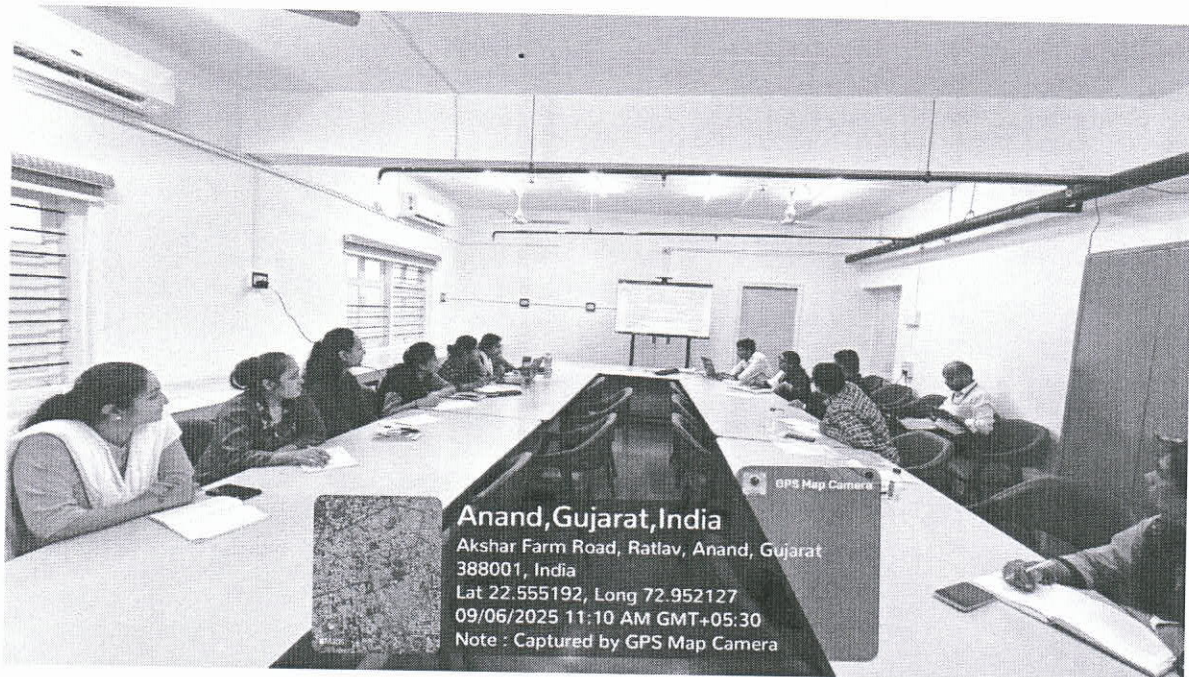
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(Dr. Kalpana Patel)

**BoS-PChe 3.12: Any other matter with the permission of Chairperson**

Dr. Purvi Shah and Dr. Haresh Patel suggested that new certificate courses be developed in niche areas, incorporating topics such as GD, GLP, ALCOA++, GxP, QRM, QMS, Quality Circle, and 5-S, with proportionate enhancement of contact hours.

The Chairperson, Dr. Rajesh Parmar, expressed gratitude to all members for their active participation, insightful contributions, and constructive feedback in strengthening the curriculum, teaching-learning practices, and academic quality of the Department of Pharmaceutical Chemistry and Quality Assurance.

The members extended their best wishes to the institute.



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*(Dr. Kalpana Patel)*



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**Rajesh Parmar (Presenting)**

Total Teaching hours: 45 hours

Unit	Antibiotics I	(10 hours)
	Historical background, Nomenclature, Stereochemistry, Structure activity relationship, Chemical degradation classification and important products of the following classes:	06 hours
	<b>β-Lactam antibiotics:</b> Penicillin, Cephalosporins, β-Lactamase inhibitors, Monobactams	
	<b>Aminoglycosides:</b> Streptomycin, Neomycin, Kanamycin	02 hours
	<b>Tetracyclines:</b> Tetracycline, Oxytetracycline, Minocycline, Doxycycline	02 hours
<b>Unit2</b>	<b>Antibiotics II</b>	19 hours

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Participants: Rajesh Parmar, Anand Pharmacy College, Dr. Manjunath Ghatge, DROMA PATEL

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Board of Studies (Pharmacognosy Department)



**Minutes of the Second Meeting of the Board of Studies (BoS)**

**Pharmacognosy (BoS – Pcog)**

The Third Meeting of Board of Studies – Pharmacognosy Department (BoS - Pcog) - held in hybrid mode Saturday, 6<sup>th</sup> September, 2025 at 10:30 am onwards.

**Attendance**

Refer to **Annexure I** for the attendance record of members who participated in hybrid mode.

**Members who joined via online mode:**

1. Dr. K. Mruthunjaya - Professor, JSS College of Pharmacy, Mysuru

**Members present for the meeting:**

2. Dr. Tejas Vyas - Senior Manager, Zydus Wellness Ltd., Ahmedabad
3. Dr. Khushbu N. Mistry - Sr. Drug Inspector, Food and Drugs Control Administration, Anand
4. Dr. Kalpana G. Patel – Professor, Anand Pharmacy College, Anand
5. Dr. Subhshchandra Kiritbhai Patel - Chairperson, Anand Pharmacy College, Anand
6. Ms. Radhika Soni - Assistant Professor, Anand Pharmacy College, Anand

**Members who conveyed their absence:**

7. Prof. (Dr.) Vimal Kumar - I/C Provost, ITM (SLS) Baroda University Vadodara
8. Dr. Manan Raval - Principal, Ramanbhai Patel College of Pharmacy, Charusat, Changa.

Dr. Subhashchandra Patel, Chairperson of the Board of Studies Meeting, Department of Pharmacognosy, welcomed all the members on board.

**BoS-Pcog 3.1: Passing of minutes of last meeting held on 5<sup>th</sup> March 2025**

Dr. Subhashchandra Patel presented the minutes of the previous Board of Studies (BOS) meeting to the members. He informed them that the recommended changes from the last meeting had been incorporated and the required approval was secured online

**Resolution:** All the members thoroughly reviewed the minutes of the meeting. [Annexure I].



Anand Pharmacy College, Anand

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(Dr. S. K. Patel)

**BoS-Pcog 3.2: Action taken report of meeting held on 5<sup>th</sup> March 2025**

Dr. Subhashchandra Patel presented the Action Taken Report to all the members. He explained the suggestions received in the previous BOS meeting and detailed the corresponding actions taken on each point

**Resolution:** The Board of Studies reviewed the Action Taken Report and expressed satisfaction with the actions carried out. The report was accepted and approved. [Annexure II]

**BoS-Pcog 3.3: Review and approval of syllabus of subject of B. Pharm – Fifth semester**

For the subjects:

**3.3.1: B. Pharm – Fifth Semester – Herbal drug technology**

**3.3.2: Elective subject - Contributor Personality Development Program (CPDP)**

Dr. Subhashchandra Patel presented the prepared syllabus of the subject to the committee for review.

Dr. K. Mruthunjaya suggested the following corrections and modifications:

Correct spelling errors in theory: Kava-kava → Kava-kava and Ginkobiloba → Ginkgo biloba, Alfaalfa → Alfalfa

In practical syllabus:

Merge Practical 4 (*Asava*) and Practical 5 (*Arishta*) into a single practical.

-In Practical 1, replace powdered drug with crude drug.

-In Practical 7, reduce the number of drugs or divide them into two separate practicals.

-In Practical 13, replace the local name of *Harde* with its common name.

-In Practical 14, specify the drug name and correct *pharmacopeias* to *pharmacopoeia*.

Dr. Tejas Vyas and Dr. Khushbu N. Mistry suggested combining Practicals 12 and 13 and adding one practical or theoretical component on microbial testing, heavy metal analysis, or analysis of phytoconstituents.

Dr. Khushbu N. Mistry suggested that include references of Ayurvedic Pharmacopoeia and the ICH guideline annexure for herbal drugs to strengthen the syllabus content.

Response to suggestion:

Ms. Radhika Soni clarified that the moisture content practical is already covered in the 3<sup>rd</sup> semester syllabus, and the concepts of microbial testing and heavy metal testing are already included in the theory syllabus under Unit 5.

For the subject CPDP, no specific suggestions were given by the committee. However, Dr. K. Mruthunjaya mentioned that CPDP should be made compulsory for students. In response, Dr.



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Subhashchandra Patel explained that students are required to choose one compulsory subject between CPDP and Integrated Personality Development Course (IPDC). To this, Dr. Mruthunjaya further suggested that both subjects are important and therefore, one could be kept in one semester and the other in a different semester, so that students benefit from both courses.

**Resolution:** The committee reviewed the syllabus and approved the suggested corrections in both theory and practical components. It was resolved that the syllabus be updated with the agreed modifications and it was finalized and approved for implementation from the forthcoming academic session. [Annexure IV]

### **BoS-Pcog 3.4: Review and approval of Course outcomes of subject**

For the subjects:

**3.4.1: B. Pharm - Fifth Semester – Herbal drug technology**

**3.4.3: Elective subject - Contributor Personality Development Program (CPDP)**

Dr. Subhashchandra Patel presented the proposed Course Outcomes (COs) to the committee.

For Herbal Drug Technology

Dr. K. Mruthunjaya suggested the following modifications:

-In CO 3, remove the word evaluation and reframe as: “Apply the knowledge related to WHO, ICH guidelines, patenting, and ASU drugs.”

-In CO 4, replace herbal food interaction with herb–food interaction.

-In CO5, reframe as: “Demonstrate skills in extraction and screening, preparation, and evaluation of herbal formulations.”

The committee members reviewed these suggestions and agreed to incorporate them.

For Contributor Personality Development Program: No changes were suggested. The committee appreciated the COs as presented.

**Resolution:** The Course Outcomes for Herbal Drug Technology were approved with the suggested modifications, and the Course Outcomes for CPDP were accepted without changes.

The finalized COs were approved for implementation. [Annexure IV]

### **BoS-Pcog 3.5: Review and approval of revised academic term plans (2025-26)**

Dr. Subhashchandra Patel presented the revised academic calendar for the year 2025–26. All members reviewed the calendar in detail and expressed their agreement.

**Resolution:** The revised academic term plans for 2025–26 were approved and accepted by the committee. [Annexure V]



**BoS-Pcog 3.6: Review and approval of panel of examiners for all programs**

Dr. Subhashchandra Patel presented the panel of examiners. The experts reviewed the list and expressed their appreciation for the selection.

**Resolution:** The panel of examiners for all programs was reviewed and approved by the committee. [Annexure VI]

**BoS-Pcog 3.7: Review and approval of revision in exam manual**

Dr. Subhashchandra Patel presented the proposed revisions in the Examination Manual. The members reviewed the changes and appreciated the updates.

**Resolution:** The revisions in the Examination Manual were reviewed and approved by the committee.

**BoS-Pcog 3.8: Review of Result analysis of various programs**

Dr. Subhashchandra Patel presented the result analysis of various programs. The members reviewed the analysis and appreciated the results.

**Resolution:** The result analysis was reviewed and approved by the committee.

**BoS-Pcog 3.9: Review of quality of question papers of examination conducted (Internal and External)**

Dr. Subhashchandra Patel presented the review of the quality of question papers. Dr. K. Mruthunjaya suggested that in the question paper format, the sequence should be: Subject Name, Subject Code and followed by the remaining details. He also recommended that the quality grading of the question papers should be raised from “Good” to “Very Good” or “Excellent.”

**Resolution:** The committee agreed with the suggested improvements and resolved to incorporate the changes in the question paper format and quality standards for future examinations.

**BoS-Pcog 3.10: Any other matter with the permission of Chairperson:**

Dr. Tejas Vyas, Dr. Khushbu N. Mistry, Ms. Radhika Soni, and Dr. Subhashchandra Patel reviewed the newly introduced PCI syllabus. Both external experts expressed their willingness to contribute as guest lecturers to share their industrial knowledge and practical insights with the students.

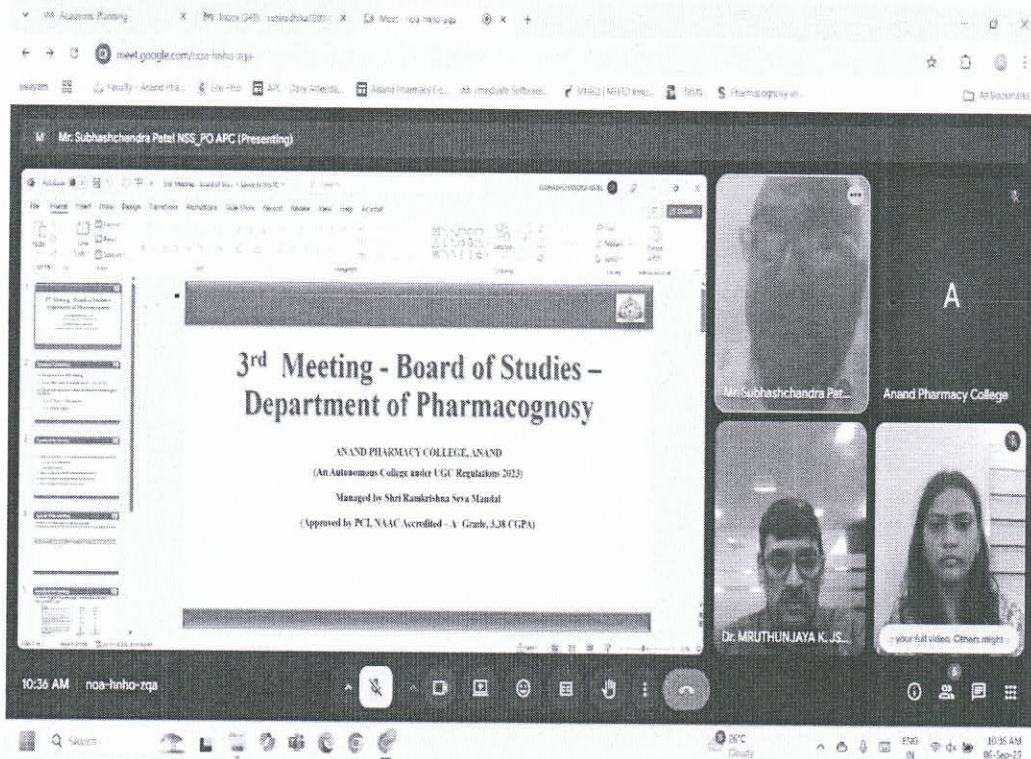
**Resolution:** The committee welcomed the offer of guest lectures by the experts and resolved to incorporate their sessions in the academic schedule to enhance industry–academia interaction.



3<sup>rd</sup> BoS- P'cog meeting – 6<sup>th</sup> September 2025

Dr. Subhashchandra and Ms. Radhika Soni thanked all the committee members for their insightful suggestions and comments on the syllabus and course outcomes. He also expressed appreciation for their valuable time and contributions, which will help enhance the quality of teaching.

**Photographs:**

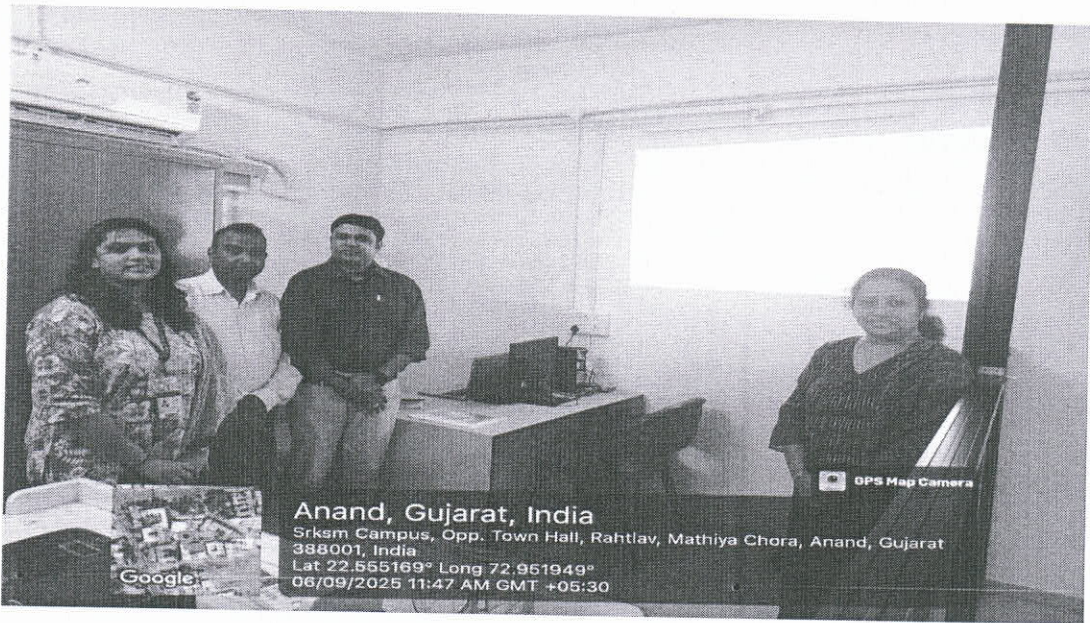


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(Dr. S. K. Bhatnagar)



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*DR*  
(Dr. Kalpana Palit) (Dr. S. Kalpalit)



Anand Pharmacy College, Anand



3<sup>rd</sup> BoS- Pcol meeting – 6<sup>th</sup> September 2025



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**Board of Studies (Pharmacology and Pharmacy Practice Department)**

**Minutes of the Second Meeting of the Board of Studies (BoS)**

**Pharmacology and Pharmacy Practice (BoS-Pcol)**

The third meeting of board of studies – Pharmacology & Pharmacy Practice (BoS-Pcol) was held on 06 September 2025 in the boardroom, Anand Pharmacy College from 10:30 am onwards. The meeting was held in hybrid mode, combining both online (Google Meet) and offline participation.

**Attendance**

Refer to **Annexure I** for the attendance record of members who participated in hybrid mode.

**Members who joined via online mode:**

1. Dr. Ramesh Adepu - Principal cum Director, Vikas College of Pharmaceutical Sciences, Rayanigudem, Suryapet, Telangana
2. Dr. Anita Arun Mehta - Professor, Anand Pharmacy College, Anand

**Members present for the meeting:**

3. Dr. Kirti V. Patel - Associate Professor, Maharaja Sayajirao University, Baroda.
4. Dr. Vinod Burade - Biological Scientist, Sun Pharmaceutical Industries Ltd., Vadodara, Gujarat
5. Mr. Jacky Pariyani - Manager - Medical Affairs, La Renon Healthcare Pvt. Ltd., Ahmedabad.
6. Dr. Tejal R Gandhi - Principal, Anand Pharmacy College, Anand
7. Dr. Akshay Shah - Chairperson, Anand Pharmacy College, Anand
8. Dr. Ankita Desai - Associate Professor, Anand Pharmacy College, Anand
9. Mr. Sandip Patel - Assistant Professor, Anand Pharmacy College, Anand
10. Mr. Sojita Chetan Ramesh - Assistant Professor, Anand Pharmacy College, Anand
11. Dr. Panchal Arshi Dharmendrabhai - Assistant Professor, Anand Pharmacy College, Anand
12. Dr. Juliet Joy Joseph - Assistant Professor, Anand Pharmacy College, Anand
13. Dr. Sonia Shaji - Assistant Professor, Anand Pharmacy College, Anand
14. Ms. Chavda Nikita Hiteshbhai - Assistant Professor, Anand Pharmacy College, Anand
15. Dr. Akshaya Hitesh Patel - Assistant Professor, Anand Pharmacy College, Anand
16. Dr. Gajjar Margi Alpeshbhai - Assistant Professor, Anand Pharmacy College, Anand

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**Members who conveyed their absence:**

17. Dr. Alpa Gor - Professor, Pharmacology, Pramukhswami Medical College, Karamsad

Dr. Akshay Shah, Chairperson of Board of Studies- Pharmacology & Pharmacy Practice welcomed all the members on board.

Following agendas were discussed in the meeting

**BoS Pcol 3.1: Approval of minutes of last meeting held on 5th March 2025**

The minutes of the last BoS meeting was presented for review. The members reviewed the same

**Resolution:**

The minutes of the previous BoS meeting was approved unanimously.

**BoS Pcol 3.2: Review and approval of Action taken report of meeting held on 5th March 2025**

**Discussion:** The action taken report (ATR) of meeting held on 5<sup>th</sup> March 2025 was presented to the members

**Resolution:**

The action taken report was found satisfactory and as per the expectation of the committee members.

**3.3: Review and approval of syllabus of subjects of Pharmacology & Pharmacy Practice department**

**3.3.1. B. Pharm – Fifth and Sixth semester**

**3.3.2. Pharm D – Third Year**

**Discussion:**

The syllabus of subjects of Pharmacology & Pharmacy Practice department for B. Pharm – Fifth Semester and Sixth semester, Pharm. D – Third Year was presented and discussed in length in the board. Following suggestions were received in the meeting

**Fifth Semester B.Pharm**

**Pharmacology-II (B010502TP)**

Dr. Vinod Burade has suggested addition of textbook of pharmacology by F.S.K. Barar

Dr. Tejal Gandhi has suggested to add the demonstration word in pharmacology practical and also mention use of chicken ileum in place of rat/guinea pig ileum



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3<sup>rd</sup> BoS- Pcol meeting – 6<sup>th</sup> September 2025

**Sixth Semester B. Pharm**

**Pharmacology-III (B010502TP)**

Dr. Vinod Burade has suggested adding the book related to the Statistics for the practicals.

Dr. Tejal Gandhi has suggested to mention the sub points a, b, c etc. wherever applicable in syllabus

Dr. Kirti Patel and Dr. Vinod Burade has suggested to use of the Graphpad/Excel etc. software for the practice

**Resolution:** After discussion and deliberations, the BoS- Pharmacology & Pharmacy Practice department unanimously approved the syllabus of various courses of B. Pharm – Fifth Semester and Sixth semester, Pharm. D – Third Year.

**BoS Pcol 3.4: Review and approval of Course outcomes of subjects of Pharmacology & Pharmacy Practice department**

**3.3.1. B. Pharm – Fifth and Sixth semester**

**3.3.2. Pharm D – Third Year**

**Discussion:**

The Course outcomes (CO) of Pharmacology & Pharmacy Practice department for B. Pharm – Fifth Semester and Sixth semester, Pharm. D – Third Year was presented in the meeting. Each CO was discussed in length for its correlation with course content, expected learning outcomes.

**Resolution:** After reviewing and discussing the Course Outcomes for the Pharmacology & Pharmacy Practice department, all members of BoS- Pharmacology & Pharmacy Practice department collectively recommended approval of the course outcome.

**BoS Pcol 3.5: Review and approval of academic term plans (2025-26)**

**Discussion:**

The revised academic term plan of B.Pharm third and fourth semester and Pharm. D second year for A.Y. 2025-26 was presented. The justification of revision of academic term plan was presented to the committee members to ensure effective teaching learning to the students

**Resolution:** The academic calendar for the academic year 2025-26 was approved without any modifications.



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3<sup>rd</sup> BoS- Pcol meeting – 6<sup>th</sup> September 2025

**BoS Pcol 3.6: Review and approval of panel of examiners for subjects of Pharmacology & Pharmacy Practice department for B. Pharm, M. Pharm and Pharm. D**

**Discussion:** A panel of examiners for the for subjects of Pharmacology & Pharmacy Practice department for B. Pharm, M. Pharm and Pharm. D was presented subjectwise for approval. The panel included experts from academia and industry with more than 10 years of experience to ensure a fair and rigorous evaluation process.

**Resolution:** The BoS- Pharmacology & Pharmacy Practice department approved the panel of examiners as per the recommendations.

**BoS Pcol 3.7: Review and approval of revision in exam manual**

**Discussion:**

The revised exam manual of the AEC/SEC/VAC/MDS courses was presented to the committee members. The revision is required to make them more align with the course objectives with inclusion of continuous mode of assessment.

**Resolution:**

The revised exam manual of AEC/SEC/VAC/MDS courses was approved

**BoS Pcol 3.8: Review of Result analysis of various programs**

**Discussion:** Dr. Akshay Shah presented the consolidated result analysis of all programs (B.Pharm, M.Pharm and Pharm. D) for the A.Y. 2024-25. Total Pass percentage of students and subject-wise performance were highlighted.

**Resolution:**

BoS unanimously accepted the result analysis presented and recommended periodic review and monitoring for sustained academic progress.

**BoS Pcol 3.9: Review of quality of question papers of examination conducted (Internal and External)**

**Discussion:**

The quality of question papers from both internal and external examinations was assessed. The members reviewed whether the papers maintained a balance between conceptual understanding, application-based learning, and critical thinking. It was confirmed that the question papers met the required academic standards.



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**Resolution:**

The quality of internal and external exam question paper was rated from good to excellent

**BoS Pcol 3.10: Update on ongoing certificate course**

**Discussion:** The coordinator of the certificate course presented an update on the ongoing certificate course on pharmacovigilance (Batch 3) run by Anand Pharmacy College in association with GTU-CCE. The committee members were informed about course duration, total no. participations and the sessions conducted till now.

**Resolution:**

BoS acknowledged the successful progress of the certificate course.

**BoS Pcol 3.11: Any Other Matter with Permission of Chairperson**

**Discussion:**

No additional matters were raised by the members.

**Resolution:**



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3<sup>rd</sup> BoS- Pcol meeting – 6<sup>th</sup> September 2025

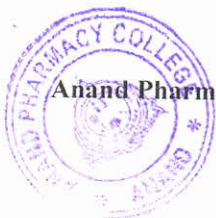
Since no further suggestions were received, all agenda items were approved as presented. The meeting was ended with vote of thanks from Dr. Tejal R. Gandhi



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3<sup>th</sup> BoS-Pceu – 6<sup>th</sup> September 2025



**Anand Pharmacy College, Anand**  
**(An Autonomous College under UGC regulations, 2023)**  
**(Managed by Shri Ramkrishna Seva Mandal)**  
**(Approved by PCI, NAAC Accredited – A<sup>+</sup> Grade, 3.38 CGPA)**  
**Board of Studies – Department of Pharmaceutics**

**Minutes of the Third Meeting of the Board of Studies (BoS)**  
**Pharmaceutics (BoS-Pceu)**

The Third Meeting of the Board of Studies (BoS) – Pharmaceutics Department was held offline on Saturday, 6<sup>th</sup> September 2025, at 10:00 am in the Pharm D building – 220 classroom.

**Attendance**

Refer to **Annexure I** for the attendance record of members who participated in hybrid mode.

**Members present for the meeting:**

1. Dr. Tejal G. Soni - Dean & Professor, Faculty of Pharmacy, Dharamsinh Desai University, Nadiad
2. Dr. Tejal Mehta - Professor & Hod, Nirma University, Ahmedabad
3. Dr. Manju Misra - Professor, L. M. College of Pharmacy, Ahmedabad
4. Mr. Dhaval Suthar - Deputy Manager – Product Development, Jamp Group Pharma, Canadian Company Enterprise Canadienne, Ahmedabad
5. Dr. Kalpana G. Patel – Professor, Anand Pharmacy College, Anand
6. Dr. Hardik Rana – Chairperson and Associate Professor, Anand Pharmacy College, Anand
7. Dr. Vaishali Thakkar – Professor, Anand Pharmacy College, Anand
8. Dr. Chetna Dipakkumar Modi – Professor, Anand Pharmacy College, Anand
9. Dr. Dipika Zankhan Sonara - Associate Professor, Anand Pharmacy College, Anand
10. Ms. Ayushi Dharmendrabhai - Assistant Professor, Anand Pharmacy College, Anand
11. Ms. Patel Dhruvixa Rakeshbhai Assistant Professor, Anand Pharmacy College, Anand
12. Mr. Kiran Filipbhai Parmar Assistant Professor, Anand Pharmacy College, Anand
13. Ms. Varsha Palubhai Gadhvi Assistant Professor, Anand Pharmacy College, Anand
14. Ms. Hemangini Pinkeshkumar Sutariya - Assistant Professor, Anand Pharmacy College, Anand
15. Ms. Rupareliya Hetal Akash - Assistant Professor, Anand Pharmacy College, Anand
16. Ms. Sneha Yagnesh Gambhava - Assistant Professor, Anand Pharmacy College, Anand

**Members who conveyed their absence:**

17. Dr. Pranav Jogani - Head, R & D, Bio Matrix Healthcare Pvt., Ltd, Ahmedabad
18. Ms. Viralben Rameshbhai Gosai - Associate Professor, Anand Pharmacy College, Anand

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*Hemangini*  
*Patel*

*Kalpana*  
*(Dr. Kalpana Patel)*

3<sup>th</sup> BoS-Pceu – 6<sup>th</sup> September 2025

19. Ms. Dalwadi Saloni Bharatbhai Assistant Professor, Anand Pharmacy College, Anand  
Dr. Hardik Rana has welcomed all the members on board on the behalf of Anand Pharmacy  
College.

The agenda-wise discussion is as follows:

**BoS-Pceu 3.1: Passing of minutes of last meeting held on 5<sup>th</sup> March 2025**

Dr. Hardik Rana has presented the minutes of meeting of 2<sup>nd</sup> BoS held on 5<sup>th</sup> March 2025 and asked  
for the approval of the same. As it was shared earlier to all the members, it has been approved. Dr.  
Hardik Rana has explained that all the suggested changes had been done.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously  
approved the minutes of meeting of 2<sup>nd</sup> BoS Pharmaceutics department [Annexure-I].

**BoS-Pceu 3.2: Action taken report of meeting held on 5<sup>th</sup> March 2025**

Dr. Hardik Rana has presented the action taken report of 2<sup>nd</sup> BoS meeting. The member has  
appreciated that the implementation of all suggestions given during the 2<sup>nd</sup> meeting.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously  
approved the action taken report of meeting of 2<sup>nd</sup> BoS Pharmaceutics department [Annexure-II].

**BoS-Pceu 3.3: Review and approval of Syllabus of subjects of Pharmaceutics department**

*3.3.1. B. Pharm – Fifth and sixth semester*

Dr. Hardik Rana has presented the syllabus of fifth and sixth semester B. Pharm

1. Dr. Tejal Mehta and Dr. Tejal Soni suggested to add the Microbial limit test in theory and  
the Practical of Disinfectant evaluation in the subject of Microbiology.
2. Dr. Tejal Mehta has suggested to add the Phenol coefficient test in practical of  
Microbiology (B. Pharm 5<sup>th</sup> semester).
3. Dr. Tejal Soni and Dr. Tejal Mehta suggested to separate the BCS classification topic in  
Industrial Pharmacy-I subject.
4. Dr. Tejal Mehta has suggested to include Drug-excipient compatibility study in Unit 1 of  
Industrial Pharmacy-I subject.
5. Dr. Suthar has suggested to check the word 'polymerization' used in the Industrial  
Pharmacy-I subject. Dr. Rana explained the same.
6. Dr. Mishra and Dr. Soni suggested to include the Guidelines and Website of different acts  
for latest updates in references in Jurisprudence. Dr. Mishra has suggested to edit the  
references of Jurisprudence.



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*Hardik Rana*

*Kulalit*  
*(Dr. Kalpana Patil)*

3<sup>th</sup> BoS-Pceu – 6<sup>th</sup> September 2025

7. Dr. Tejal Mehta has suggested to replace the content of blood product from Unit 5 to unit 3 and change the allocated hours of respective unit in Pharmaceutical Biotechnology (B. Pharm 6th semester).
8. Dr. Tejal Soni has suggested to add 'etc.' after griseofulvin in Unit 5 of Pharmaceutical Biotechnology subject.
9. Dr. Tejal Soni has suggested to write full forms of MHC in the Pharmaceutical Biotechnology subject.
10. Dr. Tejal Mehta has suggested to change the title of Unit 3 to 'Immunity & Immunology' and in the Pharmaceutical Biotechnology subject Major Histocompatibility Complex.

3.3.2. Pharm D- Third Year

Dr. Rana has explained and presented the syllabus of Pharm D Third year

1. Dr. Tejal Mehta has suggested to remove the words 'latest editions' from references 1 and 2 in the Pharm D. 3rd year syllabus (Pharmaceutical jurisprudence) .
2. Dr. Tejal Mehta has suggested to add more content as per clinical point of view in the Course Outcomes (COs) for Pharmaceutical Formulation subject.
3. Dr. Tejal Mehta and Dr. Tejal Soni suggested that do not add more content related to manufacturing and evaluation of dosage form in Unit 7 of Pharmaceutical Formulation subject.
4. Dr. Tejal Mehta and Dr. Tejal Soni have suggested to reframe all the references in the Pharmaceutical Formulation subject.
5. Dr. Mishra has suggested to add types of packaging in Unit 6 in Pharmaceutical Formulation subject.
6. Dr. Mishra has suggested to delete the evaluation part from Unit 7 or revise the whole Unit 7 as per Pharm D perspective in Pharmaceutical Formulation subject.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously recommended the Syllabus of subjects of Pharmaceutics department, be approved with modifications as mentioned above to be implemented as per the recommendation of BoS-Pharmaceutics department [Annexure – III].

**BoS-Pceu 3.4: Review and approval of Course outcomes of subjects of Pharmaceutics department**

3.4.1. B. Pharm – Fifth and Sixth semester

1. Dr. Mehta and Dr. Soni suggested to add the word "Pharmaceutical field" in CO3.



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(Dr. Kalpana Palati)*

3<sup>th</sup> BoS-Pceu – 6<sup>th</sup> September 2025

2. Dr. Mehta suggested to use the word significance instead of principle in CO4 of Biopharmaceutics and Pharmacokinetics.
  3. Dr. Tejal Soni and Dr. Tejal Mehta suggested to reframe the CO1. (B. Pharm 6<sup>th</sup> semester Industrial Pharmacy-I).
  4. Dr. Tejal Soni suggested to change the CO4 of Industrial Pharmacy-I subject and incorporate the work quality and stability attributes.
  5. Dr. Tejal Soni suggested to replace the action verb of CO4 from 'Analyze' to 'Recall' in the subject of Jurisprudence.
  6. Dr. Tejal Soni suggested to remove the word 'pharmaceutical field' from CO4 in Biotechnology.
- 3.4.2. Pharm D – Third Year
1. Dr. Manju suggested to add word "controlled" with novel drug delivery systems (DDS) under CO2 in Pharmaceutical Formulation (Pharm D. 3rd year).
  2. Dr. Tejal Mehta and Dr. Mishra suggested to make Formulation subject in accordance with the Pharm D curriculum.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously recommended the COs of subjects of Pharmaceutics department, be approved with modifications as mentioned above to be implemented as per the recommendation of BoS- Pharmaceutics department [Annexure – IV].

**Agenda 3.5: Review and approval of revised academic term plans (2025-26)**

Dr. Hardik Rana has presented the revised academic term plans and presented the changes made by the institute.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously approved the revised academic term plans (2025-26) [Annexure – V].

**BoS-Pceu 3.6: Review and approval of panel of examiners for all programs**

Dr. Rana has presented the name of examiners for all programs and all were approved by the experts.

**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously approved the panel of examiners for all programs [Annexure – VI].

**BoS-Pceu 3.7: Review and approval of revision in exam manual**

Dr. Rana presented the revision in exam manual. Dr. Tejal Soni has suggested to reframe the attendance criteria for all the program as per GTU and PCI guidelines, ensuring 80% attendance mean student can get maximum allocated marks.

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Hardik Rana

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Dr. Kalpana Patel

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**Resolution:** After discussion and deliberations, the BoS Pharmaceutics department unanimously approved the panel of examiners for all programs [Annexure – VII].

**BoS-Pceu 3.8:** Review of Result analysis of various programs

Dr. Rana has presented the result analysis of various programs. All the members has appreciated the results of last academic year [Annexure – VIII].

**BoS-Pceu 3.9: Review of quality of question papers of examination conducted (Internal and External)**

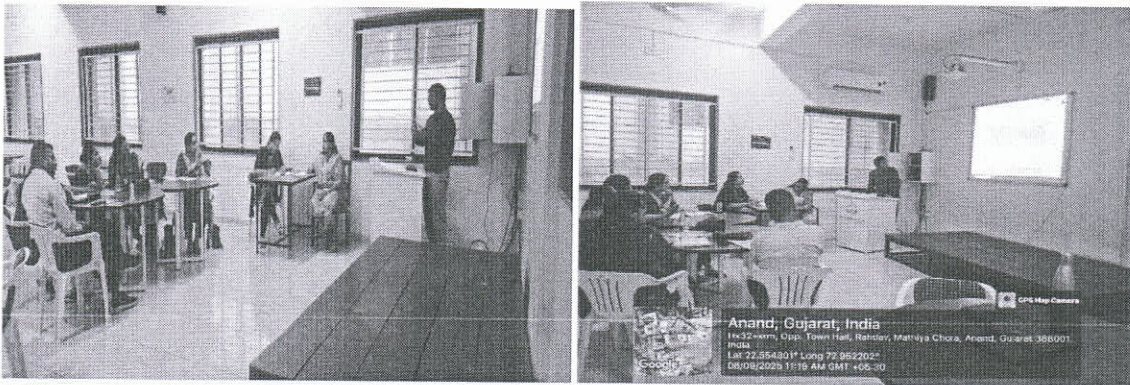
Dr. Rana has collected the evaluation responses of quality of question papers, drafted by the paper setter. The overall feedback of the experts were from excellent to good scale [Annexure – IX].

**BoS-Pceu 3.10: Update on ongoing certificate courses**

Dr. Rana has presented about the ongoing certificate courses that's 3D Printing and Biostatistics. Committee members appreciated the certificate courses conducted by the pharmaceutics department [Annexure – X].

**BoS-Pceu 3.11: Any other matter with the permission of Chairperson**

Dr. Rana expressed gratitude to all the members for attending and for their valuable and thoughtful suggestions.



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