



1st BoS-Pceu – 10th August 2024

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 – Department of Pharmaceutics



Minutes of Meeting

The First Meeting of Boards of Studies - Pharmaceutics department (**BoS-Pceu**) held at room number 321, 2nd Floor, Pharm. D building, Anand Pharmacy College, Anand on Saturday, 10th August, 2024 at 3:00 pm.

Attendance record: Refer to Annexure I for the members present for the meeting via hybrid mode.

Dr. Hardik Rana welcomed all the members on board.

The agenda wise discussion is as follows:

BoS-Pceu 1.1: Review and approval of syllabus of subjects of Pharmaceutics department

1.1.1. B. Pharm – First and Second semester

Dr. Dipika Chavda had presented the syllabus of first and second semester B. Pharm and first year Pharm D. Dr. Tejal Mehta and Dr. Tejal Soni foreseen the concern regarding subject shifting of Pharmaceutical Engineering and Pharmaceutics. Dr. Hardik Rana clarified that the basic knowledge of unit operation and physicochemical properties of the drug enable the student to understand the preparation of pharmaceutical formulations.

1.1.2. M. Pharm (Pharmaceutics) - First and Second semester

1. Dr. Hardik Rana presented the syllabus of M. Pharm (Pharmaceutics) of first and second semester. Dr. Mehta and Dr. Soni foreseen concern regarding shifting of the subject in Pharmaceutics. She suggested to change the subjects of Pharmaceutical Technology programme instead of Pharmaceutics programme.
2. Dr. Tejal Mehta suggested to add the word terminal sterilization instead of sterilization in unit 1 of Modern Pharmaceutics.
3. Dr. Pranav Jogani and Mr. Suthar suggested to add “Basics of Biowaiver” in unit 4 of Advanced Biopharmaceutics and Pharmacokinetics.

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4. Dr. Tejal Mehta suggested to reduce the teaching hours of unit 4 from 15 to 10 hours and to increase the teaching hours of unit 1 from 15 to 20 in Pharmaceutical Regulatory Affairs.
5. Dr. Pranav Jogani suggested to include basics of New Drugs and Clinical Trials (NDCT) Rules, 2019 in unit 1 of Pharmaceutical Regulatory Affairs.
6. Dr. Manju Mishra suggested to use DD solver and MS- Excel to calculate Pharmacokinetics parameters instead of Winnolin software of Pharmaceutics Practical- I.
7. Dr. Pranav Jogani suggested that the Lean Six Sigma in Pharmaceutical operation is much more inclined towards core manufacturing and hence would not be of use for Pharmaceutics students.

1.1.3. *M. Pharm (Pharmaceutical Technology) – First and Second semester*

Dr. Chetna Modi presented the syllabus of M. Pharm (Pharmaceutical Technology) of first and second semester. Dr. Pranav Jogani suggested to add calibration word with qualification as it suits better in aim of practical no. 13 of Pharmaceutical Technology Practicals- I.

1.1.4. *Pharm D – First year*

Dr. Dipika Chavda had presented the syllabus of Pharmaceutics and Remedial Mathematics. No suggestions were given by the experts.

Resolution: After discussion and deliberations, the BoS- Pharmaceutics department unanimously recommended that the syllabus of various courses of B. Pharm, M. Pharm and Pharm D, be approved with necessary modifications as mentioned above to be implemented as per the recommendations of members of BoS- Pharmaceutics department [Annexure II].

BoS-Pceu 1.2: Review and approval of course outcomes of Pharmaceutics Department

1.2.1. *B. Pharm – First and Second semester*

1.2.2. *M. Pharm (Pharmaceutics) – First and Second semester*

1.2.3. *M. Pharm (Pharmaceutical Technology) – First and Second semester*

1.2.4. *Pharm D – First year*

The course outcomes of pharmaceutics department were presented. All experts had suggested to revise the course outcomes, and arrange them as per the level of bloom taxonomy for all programme.

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Resolution: After discussion and deliberations, the BoS- Pharmaceutics department unanimously recommended that the revision of various course outcomes of all programme, be approved with necessary modifications as mentioned above to be implemented as per the recommendations of members of BoS- Pharmaceutics department [Annexure III].

BoS-Pceu 1.3: Review and approval of paper setter and external examiners panel

Dr. Dipika Chavda presented the paper setter and external examiners panel.

Resolution: BoS- Pharmaceutics department unanimously approved the paper setter and external examiners panel of B. Pharm, M. Pharm and Pharm D. without any modification [Annexure IV].

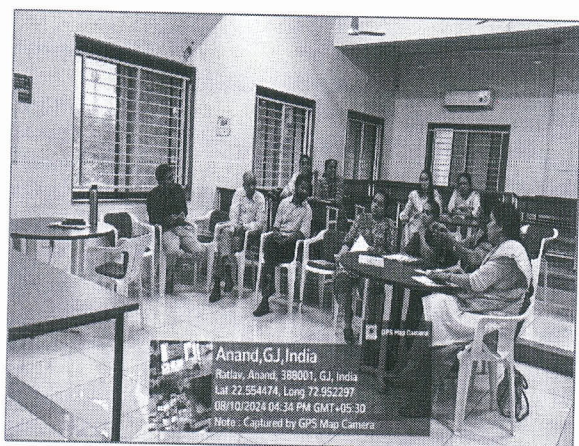
BoS-Pceu 1.4: Review and approval of two certificate courses

Dr. Hardik Rana explained the details of rules, regulations and course content of two certificate courses, 3D printing in Health care and Biostatistics in Pharmaceutical Science. There were no specific comments or suggestions for the same.

Resolution: BoS- Pharmaceutics department unanimously approved the certificate course without any modification [Annexure V].

BoS-Pceu 1.5: Any other matter with the permission of Chairperson

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



K. K. Patel
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Board of Studies (Pharmaceutical Chemistry Department)

Minutes of Meeting

The First Meeting of Board of Studies (BoS) of Pharmaceutical Chemistry and Quality Assurance (BoS-Pche) at Anand Pharmacy College, Anand held on Saturday, 10th August 2024 at 03:20 pm at 2nd floor, Pharm D. Building, APC (Room No: 220). The meeting was held in hybrid mode, combining both online (Google Meet) and offline participation, at the Anand Pharmacy College, Anand.

Attendance record: Refer to Annexure I for the members present for the meeting via hybrid mode.

Dr. Rajesh R. Parmar, Chairperson of Board of Studies- Department of Pharmaceutical chemistry welcomed all the members on board.

The agenda wise discussion is as follows:

BoS-P'chem 1.1: Review and approval of syllabus of subjects of Pharmaceutical Chemistry department

For the subjects:

1.1.1 B. Pharm - First Semester - Pharmaceutical Inorganic Chemistry

- Second Semester - Pharmaceutical Organic Chemistry, Biochemistry

Dr. Priti Mehta recommended using the term 'performance' instead of 'Introduction' in the practical components of the subjects Pharmaceutical Inorganic Chemistry (B010102TP) and Pharmaceutical Inorganic Chemistry (P020105TP). She also suggested that in referencing, both the book name and publication house should be mentioned, and proper formatting should be applied to ensure consistency in Pharmaceutical Organic Chemistry (B010203TP).

1.1.2. M. Pharm (Pharmaceutical Quality Assurance) - First and Second Semester

First Semester subjects: Modern pharmaceutical analytical techniques, Quality Management Systems, Quality Control and Quality Assurance, Product development and technology transfer, Pharmaceutical Quality Assurance Practical.



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Second Semester subjects: Hazards and Safety Management, Pharmaceutical Validation, Audits and Regulatory Compliance, Pharmaceutical Manufacturing Technology, Pharmaceutical Quality Assurance Practical.

Dr. Priti Mehta advised incorporating the concept of quality control into the curriculum and suggested correcting the mistake from "CPCSEA guideline" to "CCSEA guideline." in Quality Control and Quality Assurance subject.

Ms. Iva recommended aligning the course outcomes with the theoretical content covered in the course. The respective instructors proposed revising the course outcomes by removing the labels "PART A" and "PART B," and instead using a numerical format in first sem Practical

Dr. Priti Mehta suggested revising the wording for "Analysis of Pharmacopoeial Compounds" and updating the wording for "Assay of Raw Materials as per Official Monographs" in Part B, Practical Number 6. Dr. Priti Mehta and Dr. Purvi Shah recommended simplifying Course Outcome Point 1 to better align with the syllabus.

1.1.3. M. Pharm (Regulatory Affairs) – First and Second semester

First Semester subjects: Good Regulatory Practices, Documentation and Regulatory Writing, Clinical Research Regulations, Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, And Food & Nutraceuticals in India and Intellectual Property Rights, Regulatory Affairs Practical-I,

Second Semester subjects: Regulatory Aspects of Drugs & Cosmetics, Regulatory Aspects of Herbal & Biologicals, Regulatory Aspects of Medical Devices, Regulatory Aspects of Food & Nutraceuticals, Regulatory Affairs Practical – II

In Chapter One, Ms. Iva Dhulia suggested that the report should reference the ICH Q8 guidelines for Product Development Reports (PDR) & also specifically mention the ICH M4 guideline for CTD submissions and the ICH M8 guideline for eCTD submissions in Documentation and Regulatory Writing (M070102TT). Dr. Priti Mehta suggested incorporating the updated name for Schedule Y following India's new NDCT rules and regulations in Clinical Research Regulations, 2019 (M070103TT).

Dr. Priti Mehta recommended in Chapter 4 of the syllabus that the stability requirements be categorized into ICH and WHO guidelines, and separate guidelines be provided for drug testing in animals and preclinical studies in Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, And Food & Nutraceuticals in India and Intellectual Property Rights (M070104TT)

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Dr. Priti Mehta suggested to include packaging requirements in course outcomes in Regulatory Aspects of Drugs & Cosmetics (M070201TT). Dr. Priti Mehta and Dr Purvi Shah proposed rephrasing the titles for unit 5 in Regulatory Aspects of Herbal & Biologicals (M070202TT). Dr. Purvi Shah advised removing course outcome point 1 to remove GHTF and MDs' history. She also advised inclusion of IMDRF and adding HDE and de-NOVO pathways for MDs.

1.1.4. Pharm D – First year- Pharmaceutical Inorganic Chemistry, Medicinal Biochemistry

Dr. Priti Mehta recommended that reference book style should be same for all courses.

Resolution: After discussion and deliberations, the BoS- Pharmaceutical Chemistry department unanimously recommended that the syllabus of various courses of B. Pharm, M. Pharm QA, M. Pharm RA and Pharm D be approved with minor modifications as mentioned above [Annexure II].

BoS-P'chem 1.2: Review and approval of course outcomes of Pharmaceutical Chemistry department

1.2.1. B. Pharm – First and Second semester

Dr. Priti Mehta emphasized the importance of Course Outcomes (COs) and CO-Program Outcome (PO) mapping. She highlighted that each question paper should align with the designated Cos. Dr. Purvi Shah proposed revision in the course outcomes for Biochemistry – Theory (B010202TP) for the B. Pharm Semester I.

Dr. Manjunath Ghate recommended that within the course outcomes, understanding of COs should be prioritized first, with the application of COs as the final step. Dr. Priti Mehta added that according to Bloom's taxonomy, CO1 should be positioned at a lower level in terms of cognitive complexity.

1.2.2. M. Pharm (Pharmaceutical Quality Assurance) – First and Second Semester

Dr. Priti Mehta and Dr. Purvi Shah emphasized that the course outcomes for the M. Pharm program should be of a higher level than those for the B. Pharm program. Dr. Priti Mehta suggested simplifying the course outcomes to better align with the syllabus.

1.2.3. M. Pharm (Regulatory Affairs) – First and Second semester

In Course Outcome Number 4 of the Good Regulatory Practice subject, Dr. Priti Mehta recommended that the term 'healthcare' be reframed in the context of the pharmaceutical industry to reflect its regulatory implications in Good Regulatory Practices (M070101TT). Dr.

Priti Mehta suggested that the sequence of the course outcomes should be revised to improve the coherence and flow of the curriculum in Clinical Research Regulations (M070103TT).

1.2.4. Pharm D – First year

Dr. Priti Mehta and Dr. Purvi Shah emphasized that the course outcomes B. Pharma and Pharm D should be different as per syllabus unit.

Resolution: After reviewing and discussing the Course Outcomes for the Pharmaceutical chemistry department, all members of BoS- Pharmaceutical chemistry department collectively recommended approval of the outcomes with the suggested revisions [Annexure III].

BoS-P'chem 1.3: Review and approval of paper setter and external examiners panel

Dr. Rajesh Parmar presented the proposed panel of examiners for all existing programs at APC for department of Pharmaceutical Chemistry. The members noted the information and approved the panel of examiners.

Resolution: The BoS-Pharmaceutical chemistry department approved the panel of Paper Setters and External Examiners, recommending that only permanent faculty should be appointed for 1st year examinations [Annexure IV].

BoS-P'chem 1.4: Review and approval of draft syllabus of certificate course: Lifecycle of Pharmaceutical and Medical Device Management.

Dr. Kalpana informed that the department is going to offer certificate course namely Lifecycle of Pharmaceutical and Medical Device Management. Dr. Devang presented the contents and invited suggestions for certificate course from the experts. Dr. Priti and Dr. Ghate appreciated the certificate course being offered and Dr. Gathe gave suggestion for revision in eligibility criteria for certificate course to include Master of Science students.

Resolution: The BoS-Pharmaceutical chemistry department approved Certificate course with minor modification [Annexure V].

BoS-P'chem 1.5: Any other matter with the permission of Chairperson

1.5.1 Revision in the name of Board of Studies of Pharmaceutical Chemistry

It was suggested to revise the name of Board of Studies in Pharmaceutical Chemistry to Pharmaceutical Chemistry and Quality Assurance by Dr. Purvi Shah.

Dr Kalpana Patel thanked all the members present online as well in person for their valuable suggestions and inputs.

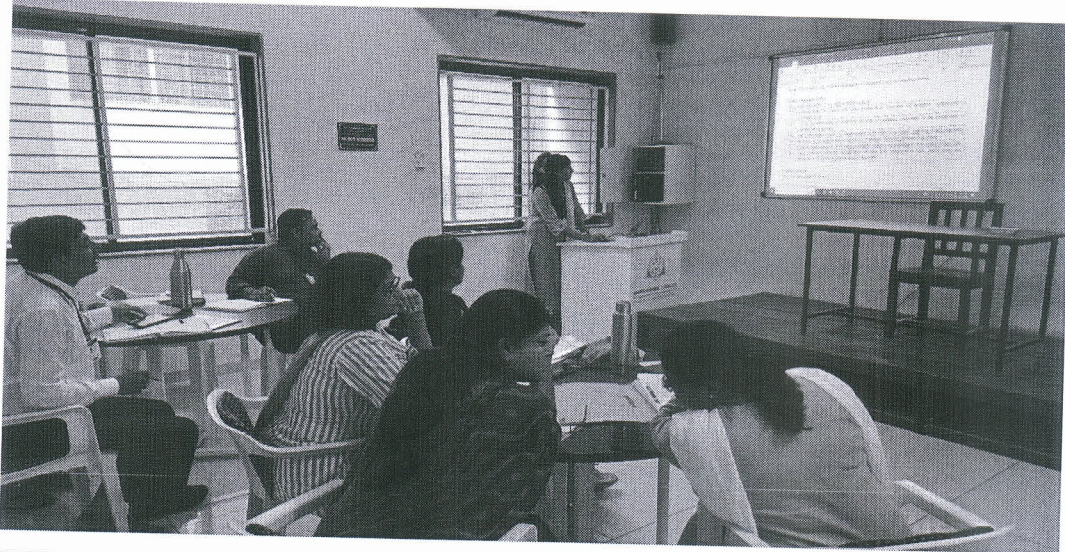
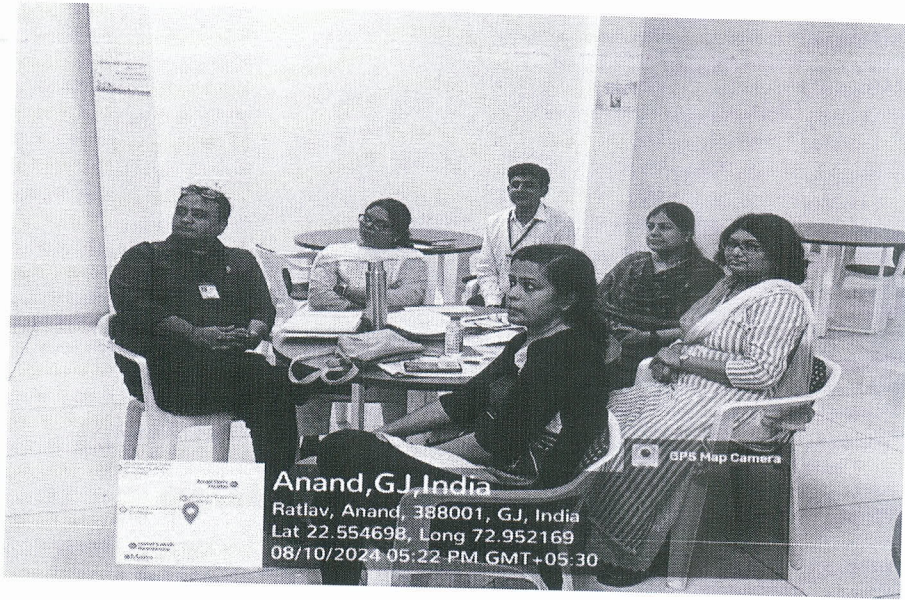
The members wished good luck to the institute in the journey of academic autonomy.

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Minutes of First meeting of Board of Studies – Pharmacology and Pharmacy Practice (BoS-Pcol)

The first meeting of board of studies – Pharmacology & Pharmacy Practice (BoS-Pcol) was held on 10 August 2024 in the boardroom, Anand Pharmacy College from 3:30 pm onwards. The meeting was held in hybrid mode, combining both online (Google Meet) and offline participation.

Attendance record: Refer to Annexure I for the members present for the meeting via hybrid mode.

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

1.1.1. B. Pharm – First Semester – Human Anatomy & Physiology I (B010103TP)

- Second semester – Human Anatomy & Physiology II (B010204TP)

1.1.2. M. Pharm (Pharmacology) –

First Semester - Advanced Pharmacology I (M060102TT)

- Pharmacological & Toxicological Screening Methods I (M060103TT)

- Cellular & Molecular Pharmacology (M060104TT)

- Pharmacology Practical I (M060105PP)

Second semester – Advanced Pharmacology II (M060201TT)

- Pharmacological & Toxicological Screening Methods II (M060202TT)

- Principles of Drug Discovery ((M060203TT)

- Clinical Research & Pharmacovigilance ((M060204TT)

- Pharmacology Practical II ((M060205PP)

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1.1.3. Pharm D – First year – Human Anatomy & Physiology (P020101FP)

The syllabus of subjects of Pharmacology & Pharmacy Practice department for B. Pharm - First Semester and Second semester, M.Pharm (Pharmacology) – First and Second Semester and Pharm. D – First year was presented and discussed in the board. The board members suggested adding topics like Bioassay for Peptides and Biosimilar, Pharmacokinetic & other related softwares, Case study on interpretation of result, Immunogenicity etc. in the concerned subjects of M. Pharm. The subjects of Pharmacology & Pharmacy Practice department for B. Pharm - First Semester and Second semester, M.Pharm (Pharmacology) – First and Second Semester and Pharm. D – First year was approved by the board members

Resolution: After discussion and deliberations, the BoS- Pharmacology & Pharmacy Practice department unanimously approved the syllabus of various courses of B. Pharm - First Semester and Second semester, M. Pharm (Pharmacology) - First Semester and Second semester and Pharm D - First year with minor modifications as mentioned above [Annexure II].

Item 2: BoS-Pcol 1.2: Review and approval of course outcomes of Pharmacology & Pharmacy Practice department

1.2.1. B. Pharm – First and Second semester

1.2.2. M. Pharm (Pharmacology) – First and Second semester

1.2.3. Pharm D – First year

The Course outcomes (CO) of Pharmacology & Pharmacy Practice department for B. Pharm - First Semester and Second semester, M. Pharm (Pharmacology) – First and Second Semester and Pharm. D – First 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 outcomes with the suggested revisions [Annexure III].

Item 3: BoS-Pcol 1.3: Review and approval of paper setter and external examiners panel

The committee members reviewed the list of examiners and approved it with the suggestion that examiners should have a minimum of 3 years of experience for 1st year B. Pharm and Pharm.D. Additionally, it was suggested that only permanent faculty should be appointed for examinations.

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Resolution: The BoS- Pharmacology & Pharmacy Practice department approved the panel of Paper Setters and External Examiners, recommending that only permanent faculty should be appointed as examiner and paper setter for B.Pharm, M.Pharm (Pharmacology) and Pharm. D [Annexure IV]

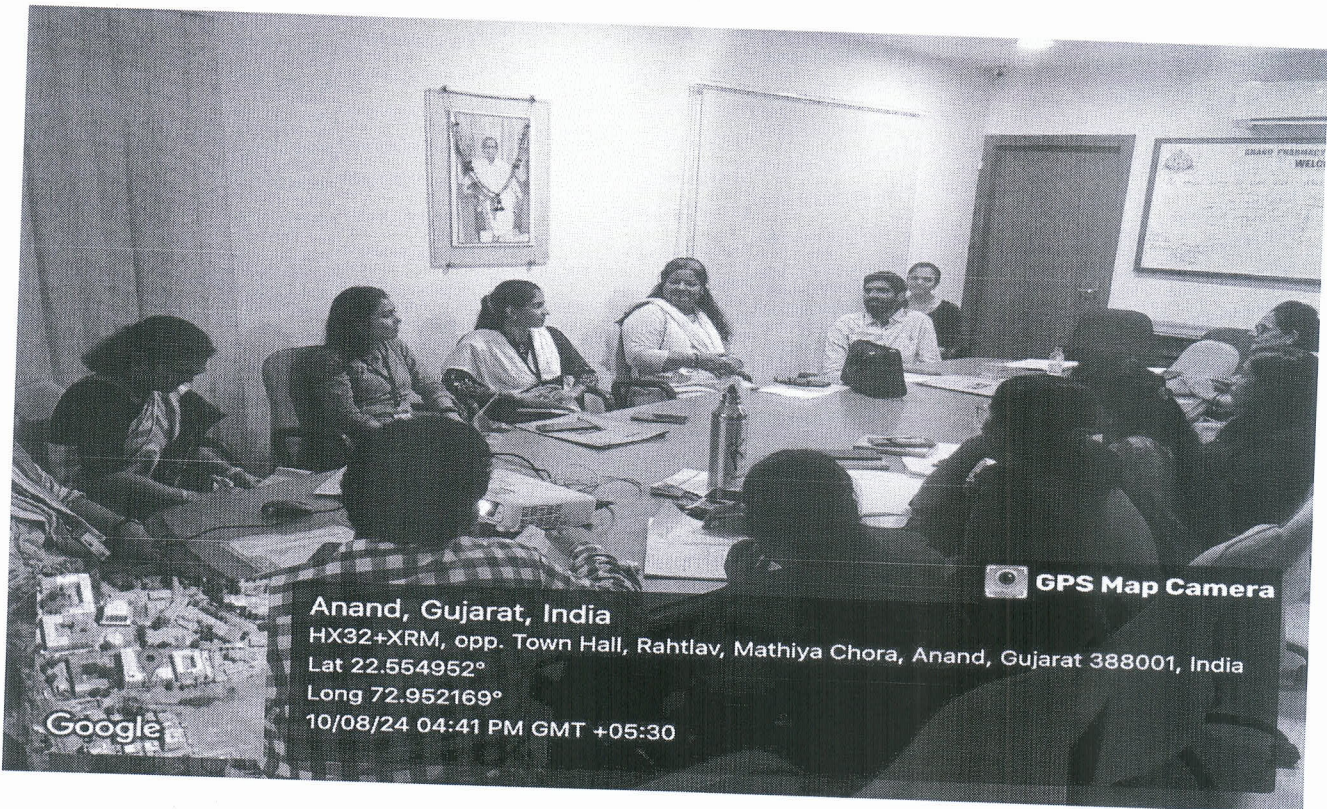
BoS-Pcol 1.4: Review and Approval of Certificate course on Pharmacovigilance

The Course Outcomes, Syllabus, eligibility criteria, evaluation pattern and attendance requirements of Certificate course on Pharmacovigilance was presented to members. It was discussed in length and approved. In addition to it, the members of BoS-Pcol were informed that Department of Pharmacology & Pharmacy Practice is already conducting a certificate course on Pharmacovigilance approved by GTU CCE. The external members appreciated the efforts of Institute to generate skilled task force.

Resolution: After reviewing, the BoS- Pharmacology & Pharmacy Practice department approved certificate course on Pharmacovigilance [Annexure V].

Item 5: BoS-Pcol 1.5: Any other matter with the permission of chairperson

Dr. Tejal Gandhi thanked all the members for their insightful suggestions and comments and expressed gratitude for their presence.



K. B. Bhatt

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Board of Studies (Pharmacognosy Department)

Minutes of Meeting

The First Meeting of Board of Studies of Pharmacognosy department (BoS- Pcog) at Anand Pharmacy College (APC), Anand held on Saturday, 10th August, 2024 at 3:30 pm onwards at Exam Section, First Floor, Main Building, APC. The meeting was held in hybrid mode, combining both online (Google Meet) and offline participation, at the Exam section, Anand Pharmacy College, Anand.

Attendance record: Refer to Annexure I for the members present for the meeting via hybrid mode.

Dr. Geetha Madhira, Chairperson of Board of Studies- Department of Pharmacognosy welcomed all the members on board.

The agenda wise discussion is as follows:

BoS-P'cog 1.1: Review and Approval of the Syllabus for the Pharmacognosy Department

For the subjects:

1.1.1 B. Pharm - First Semester - Remedial Biology

- Second Semester - Environmental Science, Meditation, Yoga

1.1.2 Pharm. D - First Year – Biology, Meditation and Yoga.

The syllabus was approved by all committee members with no changes required. However, it was suggested that the reference books should include the full name of the publisher and the latest edition. Additionally, the title of all syllabus should indicate the academic year 2024-25 (effective for students admitted in the year 2024-25).

Resolution: After discussion and deliberations, the BoS- Pharmacognosy department unanimously recommended that the syllabus of various courses of B. Pharm, and Pharm D be approved with minor modifications as mentioned above [Annexure II].

BoS-P'cog 1.2: Review and Approval of Course Outcomes for the Pharmacognosy Department

For the subjects:

1.2.1 B. Pharm - First Semester - Remedial Biology

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- Second Semester - Environmental Science, Meditation, Yoga

1.2.2 Pharm. D - First Year – Biology, Meditation and Yoga.

Dr. Vimal Kumar and Dr. Manan Raval suggested that in all Course Outcomes, verbs should be rearranged in the correct order according to Bloom's taxonomy. In the YOGA & Meditation course, the phrase "health benefits" should be included in the Course Outcomes. In the Environmental Science (EVS) course, the word "sensitize" should be added in CO3.

Resolution: After reviewing and discussing the Course Outcomes for the Pharmacognosy Department, all members of BoS- Pharmacognosy department collectively recommended approval of the outcomes with the suggested revisions [Annexure III].

BoS-P'cog 1.3: Review and Approval of Paper Setter and External Examiners Panel

The committee members reviewed the list of examiners and approved it with the suggestion that examiners should have a minimum of 3 years of experience for 1st year B. Pharm and Pharm.D. Additionally, it was suggested that only permanent faculty should be appointed for examinations.

Resolution: The BoS-Pharmacognosy department approved the panel of Paper Setters and External Examiners, recommending that only permanent faculty should be appointed for 1st year B. Pharm and Pharm. D examinations [Annexure IV].

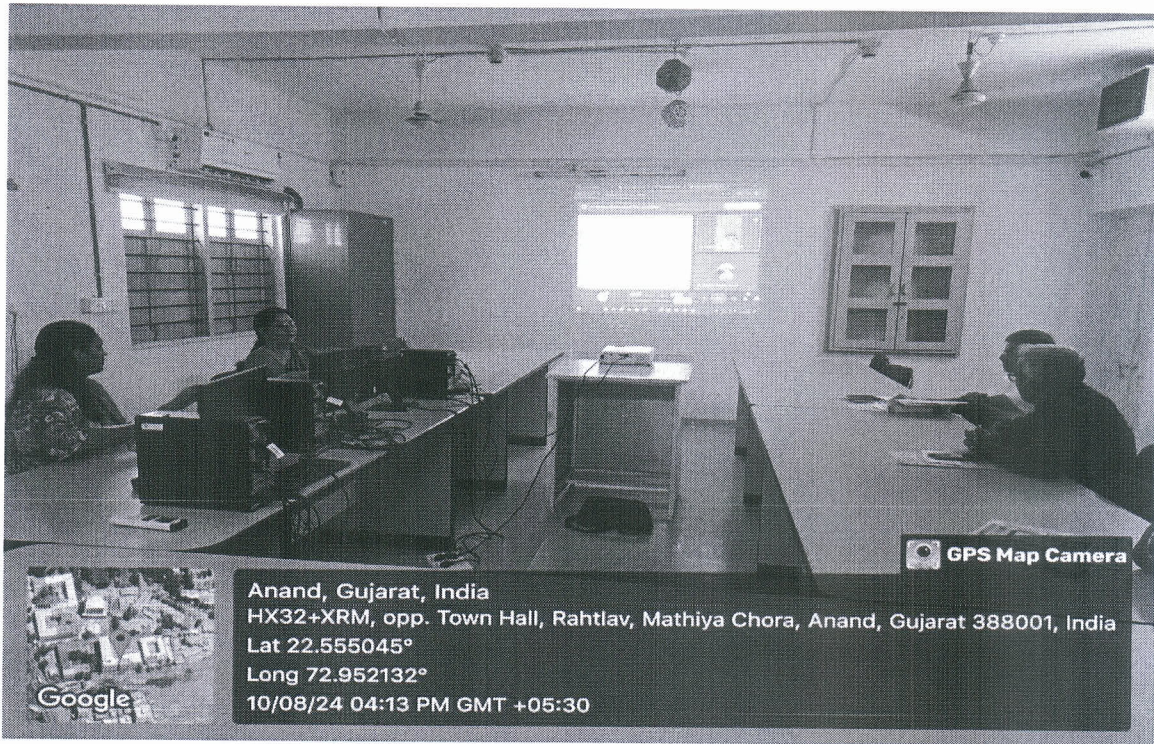
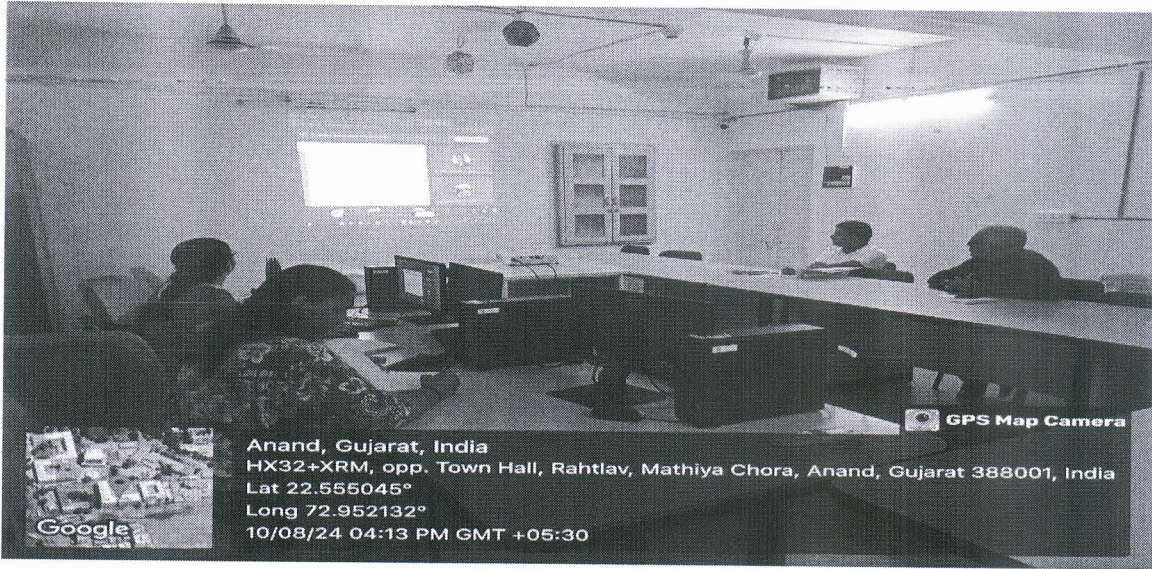
BoS-P'cog 1.4: Any Other Matter with the Permission of the Chairperson Suggestions

Dr. Geetha thanked all the members for their insightful suggestions and comments and expressed gratitude for their presence.

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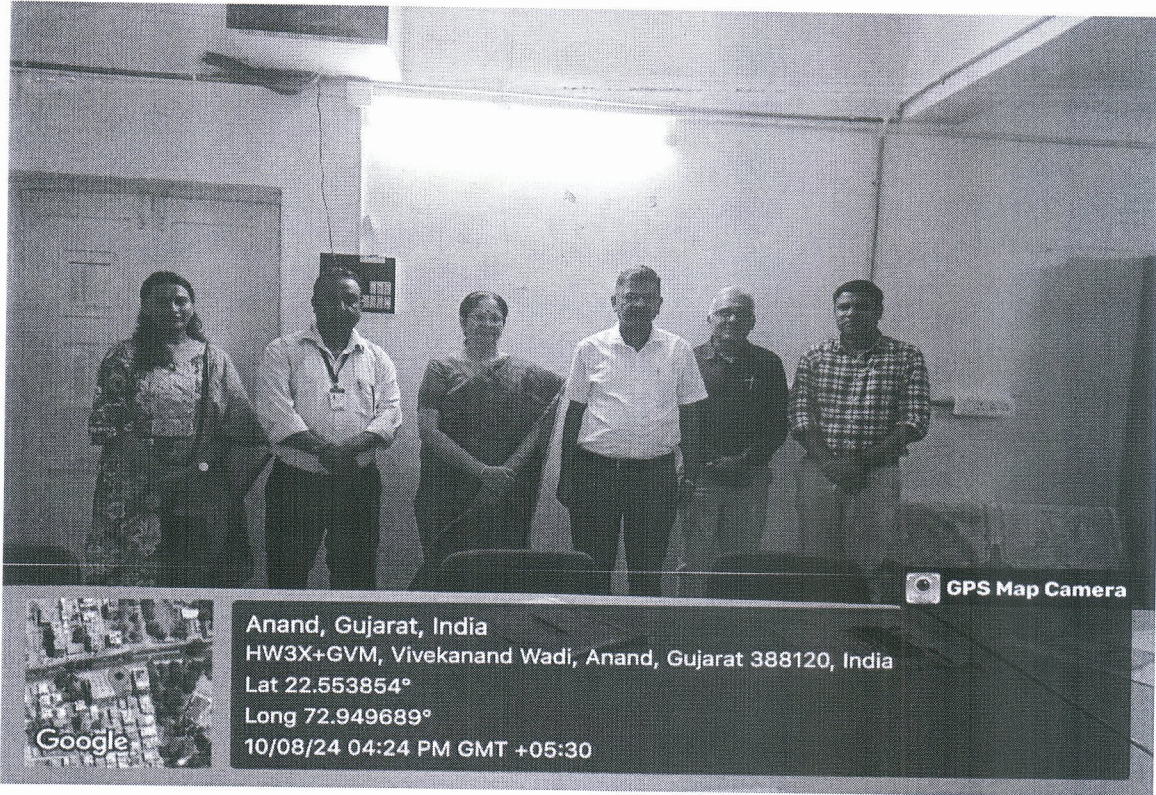


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Kapali *MS*





K. Palit *DR*

