

# Meeting Minutes

## BOARD OF STUDIES PHARMACOGNOSY

Date: 6<sup>th</sup> August 2025

Time: 03:00 pm

Venue: IQAC hall, MGV's Pharmacy College, Panchavati, Nashik-422003.

### Memembris

| Sr. No | Name                         | Designation, Affiliation& Contact Details  | Designation   |
|--------|------------------------------|--|---|
| 1      | Dr. Jitendra Y. Nehete (HoD) | HOD, Department of Pharmacognosy<br>MGVPC.<br>Mobile No: 9371166110<br>Email: <a href="mailto:jynehete@yahoo.com">jynehete@yahoo.com</a>   | Chairperson   |
| 2      | Dr. Daksha L. Attarde        | Faculty of MGVPC<br>Mobile No: 9730075256<br>Email: <a href="mailto:daksha511@gmail.com">daksha511@gmail.com</a>   | Member  |
| 3      | Mrs. Vrushali V. Baisane     | Faculty of MGVPC<br>Mobile No: 7058485030<br>Email: <a href="mailto:shalusammy@yahoo.co.in">shalusammy@yahoo.co.in</a>   | Member  |
| 4.     | Dr. Pravin S. Wakte          | Professor in Chemical Technology,<br>Department of Chemical Technology<br>Dr.Babasaheb Ambedkar Marathwada<br>University, Aurangabad-431004<br>Mobile No: 9422212845<br>Email: <a href="mailto:pravinwakte@yahoo.com">pravinwakte@yahoo.com</a>  | Two subject experts<br>outside the parent<br>university nominated<br>by Academic council  |
| 5      | Dr. Anil U. Tatiya           | HOD, Department of Pharmacognosy<br>R.C.Patel Institute of Pharmaceutical<br>Education and Research, Shirpur-425405<br>Mobile No: 9923070789<br>Email: <a href="mailto:l-aniltatiya12170@gmail.com">l-aniltatiya12170@gmail.com</a>  |   |
| 6      | Dr. Macchindra J. Chavan     | Principal, Amrutvahini College of Pharmacy,<br>Sangamner-422608<br>Mobile No: 9822811660<br>Email: <a href="mailto:mjc_chavan@rediffmail.com">mjc_chavan@rediffmail.com</a>  | One expert nominated<br>by Vice Chancellor or<br>from panel of six<br>recommended by the<br>Autonomous college<br>Principal.                                |
| 7      | Mr. Ashish M. Shirwadkar     | Principal Scientist at Himalaya Wellness<br>Company, Bengaluru-562162<br>Mobile No: 9886300900<br>Email: <a href="mailto:amshirwadkar@gmail.com">amshirwadkar@gmail.com</a>  | One representative<br>from industry/<br>corporate sector/ allied<br>areas to be nominated<br>by Principal   |
| 8      | Mr. Aniruddha Rajpathak      | Director, Koral Pharma, Nashik- 422007<br>Mobile No: 9850730963<br>Email: <a href="mailto:koralpharma@gmail.com">koralpharma@gmail.com</a>   | One member of-<br>college alumni to be<br>nominated by<br>Principal   |
| 9      | Dr. Subhash C. Mandal        | Reader, Division of Pharmacognosy,<br>Pharmacognosy and Phytotherapy<br>Research Laboratory, Department of<br>Pharmaceutical Technology,<br>Jadavpur University, Kolkata-700 032<br>Mobile No: 9830986659<br>Email: <a href="mailto:scmandal1963@gmail.com">scmandal1963@gmail.com</a> | Experts from outside<br>the Autonomous<br>college, whenever<br>special course of<br>studies are to be<br>formulated, to be<br>nominated by the<br>Principal |
| 10     | Dr. Zulfiqar Ali Bhat        | Dean, School of Applied Sciences and   |   |

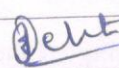
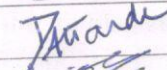
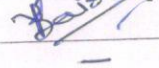


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|----|------------------|---|
|    |                  | Technology, University Department of<br>Pharmaceutical sciences, University of<br>Kashmir,<br>Jammu & Kashmir 190006.<br>Mobile No: 9419077701<br>Email: <a href="mailto:zabhat2000@gmail.com">zabhat2000@gmail.com</a> |
| 11 | Dr. Sachin Joshi | Founder and Managing Director, Pharmnxt<br>Biotech, Mumbai-400607<br>Mobile No: 7030084411<br>Email: <a href="mailto:sachin.joshi@pharmnxtbiotech.com">sachin.joshi@pharmnxtbiotech.com</a>                             |





Members present:

| Sr. No. | Name                     | Designation                | Signature   |
|---------|--------------------------|----------------------------|---|
| 1       | Dr. Jitendra Y. Nehete   | Professor                  |  |
| 2       | Dr. Daksha L. Attarde    | Associate Professor        |  |
| 3       | Mrs. Vrushali V. Baisane | Assistant Professor        |  |
| 4       | Dr. Pravin S. Wakte      | Professor                  | —   |
| 5       | Dr. Anil U. Tatiya       | Professor                  | ONLINE  |
| 6       | Dr. Macchindra J. Chavan | Professor                  | ONLINE  |
| 7       | Mr. Ashish M. Shirwadkar | Scientist-Industry         | ONLINE  |
| 8       | Mr. Aniruddha Rajpathak  | Director- Industry         | ONLINE  |
| 9       | Dr. Subhash C. Mandal    | Professor                  | ONLINE  |
| 10      | Dr. Zulfiqar Ali Bhat    | Professor                  | ONLINE  |
| 11      | Dr. Sachin Joshi         | Managing Director-Industry | ONLINE  |
| 12      | Prof: Ketaki Belsare     | Assistant Professor        | —   |

Following members were absent for BoS meeting:

| Sr.No. | Name              | Designation                          |
|--------|-------------------|--------------------------------------|
| 01     | Dr. Pravin Wakte  | Professor                            |
| 02     | Dr. Ketki Belsare | Assistant Professor (invited expert) |



## Meeting Minutes

### BoS Meeting No.: 01

The first meeting of the Board of Studies (BoS) in Pharmacognosy for the academic year 2025-26 was held on 6th August 2025 at 03:00 PM in hybrid mode (Offline/Online) at IQAC, hall Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati, Nashik - 422003, under the chairmanship of Dr. J. Y. Nehete.

### Minutes of the Meeting

The meeting commenced with a warm welcome by the Chairperson, Dr. J. Y. Nehete, who expressed gratitude to all members for their valuable presence. He highlighted the importance of curriculum revision and collaboration between industry and educational institutions

### Agenda No. 01: Confirmation of Previous BoS Minutes

#### Discussion:

Since this was the first BoS meeting under the 2025-26 academic cycle, no prior minutes were available.

#### Resolution:

Not applicable.

### Agenda No. 02: Approval of Revised Syllabi (2025-26 Onwards)

#### Discussion:

The revised syllabi for PG Pharmacognosy programs were presented. The syllabus was discussed in detail and approved unanimously. Suggestions and recommendations were made by experts and external members.

The following **new inclusions and modifications** were done in syllabus of subjects.

- **MPG 102T Advanced Pharmacognosy – I**

As per suggestions of Dr. Anil Tatiya and Dr. Ali Bhat the cultivation protocols for regional medicinal plants can be added. So *Cultivation protocols* for Ashwagandha and Shatavari are added in Unit I. Dr. Mandal emphasized the growing importance of understanding international regulatory frameworks governing access to marine and plant genetic resources. It was discussed that inclusion of topics such as UNCLOS (United Nations Convention on the Law of the Sea), CBD (Convention on Biological Diversity), and the Nagoya Protocol in Unit II will provide students with knowledge about equitable benefit-sharing, conservation of biodiversity, and legal compliance in bioprospecting of natural resources. The experts agreed that this will strengthen the students' ability to engage with global research, industry collaborations, and ensure ethical utilization of natural products.





Dr. Shirwadkar suggested that the rising significance of nutraceuticals in chronic disease prevention, particularly for lifestyle disorders such as Diabetes, Cardiovascular Diseases (CVD), and Cancer or gut health. The inclusion of newer agents like Coenzyme Q10, Omega-3 fatty acids, and Genistein or combinations with the prophylactic enzymes was considered essential to update the syllabus in line with current clinical and industry practices. Dr. Zulfikar deliberated on the complexities of Adverse Drug Reaction (ADR) reporting in polyherbal formulations, noting that multiple active phytoconstituents often make it difficult to establish causality and standardize safety data. Issues such as lack of harmonized reporting systems, underreporting of herbal ADRs, and variations in formulation quality were highlighted. It was agreed that including this topic in Unit V in the syllabus would sensitize students to the importance of herbovigilance, improve their ability to critically assess safety profiles, and prepare them for roles in pharmacovigilance of natural products. Mr. Rajpathak suggested ayurvedic books for adverse drug reactions can be used to study case studies of adverse drug reactions.

- **MPG 103T Phytochemistry**

Dr. Nehete highlighted the growing role of computational approaches in drug discovery, particularly molecular docking, as a cost-effective and time-saving tool for identifying lead compounds from natural products. It was agreed that introducing this topic will equip students with knowledge of modern *in silico* methodologies, strengthen their research skills in phytochemistry. It was decided to add introduction to *in silico* tools: molecular docking in UNIT II.

Dr. Tatiya discussed the inclusion of advanced green extraction technologies, namely enzyme-assisted extraction and ionic liquid-based extraction, in the syllabus. It was emphasized that these modern methods offer higher selectivity, improved yield, and eco-friendly alternatives compared to conventional extraction techniques. Dr. Sachin Joshi suggested that capillary electrophoresis can be added in this topic but again Dr. Tatiya suggested that the added topics should be covered within academic time and it is insufficient time to cover the whole syllabus.

Dr. Nehete emphasized that NMR-based metabolomics is emerging as a powerful tool for comprehensive profiling of phytoconstituents and quality evaluation of herbal drugs. It was discussed that introducing this topic would familiarize students with advanced analytical approaches for biomarker discovery, metabolic fingerprinting, and authenticity testing of herbal formulations. This was seconded by Dr. Shirwadkar.

- **MPG 104T Industrial Pharmacognostical Technology**

Dr. Attarde discussed the importance of providing students with explicit knowledge of the Drugs and Cosmetics Act, 1940 and Rules 1945, particularly provisions related to Ayurveda, Siddha and Unani (ASU) drugs under Chapter IV A, Rules 161–170 and Schedules A, B-1, E-1. This was seconded by Dr. Tatiya.

- **MPG 105P Pharmacognosy Practical – I**

Dr. Shirwadkar discussed the critical importance of heavy metal analysis in herbal raw materials and formulations, given the rising global concerns about safety and regulatory compliance of herbal medicines. This was seconded by Dr. Zulfikar Ali Bhat. This practical was added in the syllabus.





- **MPG 201T Medicinal Plant Biotechnology**

Dr. Joshi suggested that Introduction to plant genomics and metabolomics will provide students with modern tools to study genetic diversity, secondary metabolism, and systems-level plant biology. This topic was included in UNIT I.

Dr. Shirwadkar said scaled-up micropropagation using bioreactors will expose learners to industrially relevant plant tissue culture practices for large-scale production of medicinal plants.

The members emphasized the necessity of introducing biosafety regulations and ethical frameworks related to transgenic medicinal plants. It was discussed that students must be aware of national and international biosafety guidelines, risk assessment protocols, and containment strategies to ensure safe application of genetic engineering in herbal drug research. This inclusion was seen as vital to prepare graduates for regulatory compliance, risk management, and responsible innovation in plant biotechnology.

The members discussed the inclusion of metabolic engineering case studies to demonstrate the application of biotechnology in enhancing phytochemical yields. The example of Artemisinin production in *Artemisia annua* and engineered yeast strains was highlighted as a globally recognized success story in combating malaria. It was agreed that teaching such examples will help students understand how synthetic biology and metabolic pathway manipulation can transform natural product research into scalable pharmaceutical solutions, thereby bridging traditional pharmacognosy with modern biotechnological innovations.

- **MPG 202T Advanced Pharmacognosy – II**

The members highlighted the growing global emphasis on herbogigilance. It was agreed that introducing pharmacogigilance concepts specific to herbal drugs will help students understand adverse event monitoring, reporting systems, and risk management in natural product usage, ensuring alignment with WHO and AYUSH guidelines. This topic was added in UNIT I.

Dr. Nehete emphasized the need for modern computational tools in analyzing vast ethnopharmacological datasets. AI and machine learning applications will expose students to predictive analytics, drug discovery leads, and pattern recognition, bridging traditional knowledge with modern data-driven research. This was seconded by Dr. Tatiya.

Dr. Shirwadkar discussed the importance of moving beyond traditional assays and incorporating marker-based standardization techniques. This will train students to evaluate herbal drugs using quantifiable markers, fingerprinting methods, and validated quality control parameters, meeting international regulatory expectations. This was seconded by Dr. Chavan.

It was deliberated that the addition of 3D cell culture models and organ-on-chip technologies will expose students to advanced preclinical evaluation platforms. This topic was included in UNIT V.

- **MPG 203T Indian Systems of Medicine**





Dr. Attarde discussed the need to strengthen the Yoga component of the syllabus by providing at least five examples of each basic posture (Asanas). It was agreed that this addition will give students a more practical and structured understanding of yoga practices, enhance their appreciation of traditional health systems, and encourage integration of evidence-based yoga therapy in preventive and holistic medicine. This was seconded by Dr. Shirwadkar and topic was added in UNIT II. Dr. Attarde emphasized the importance of exposing students to the diverse dosage forms of Ayurveda, such as *Asava*, *Aristha*, *Taila*, *Ghrita*, *Lehya*, *Vatika*, *Gutika*, *Bhasma*, *Churna*, *Arka*, *Lavana*, *Satva*, and *Kshara*. It was discussed that this inclusion will provide learners with both theoretical and practical insights into the preparation, standardization, and stability evaluation of traditional formulations. Members agreed that this will strengthen students' understanding of the scientific basis of Ayurvedic medicines. This topic was included in UNIT III.

- **MPG 204T Herbal Cosmetics**

Dr. Nehete discussed the need to provide students with exposure to contemporary herbal cosmetic products available in the market. It was highlighted that including examples of current marketed formulations will bridge theoretical knowledge with real-world industry practices, enable critical analysis of ingredients, quality standards, and regulatory compliance, and enhance the students' ability to connect classroom learning with market trends and consumer expectations. This was seconded by Dr. Shirwadkar.

**Resolution:**

- PG syllabi approved.
- PG Syllabus officially adopted.

**Proposed by:** Dr. Nehete, Dr. Attarde

**Seconded by:** Dr. Shirwadkar, Dr. Joshi, Dr. Tatiya, Dr. Zulfikar Ali Bhat, Dr. Chavan

**Agenda No. 03: Guidelines for Internship/Project Work**

**Discussion:**

Internship and project work evaluation methods were discussed. Members emphasized aligning outcomes with industry demands.

**Resolution:**

Internship/Project Guidelines revised to reflect academic-industry balance and skill development focus.

**Proposed by:** Dr. Nehete

**Seconded by:** Dr. Shirwadkar

**Agenda No. 04: Panel Formation for Paper Setting and Assessment**

**Discussion:**



The need to form an expert panel for exam paper setting and assessment was discussed.

**Resolution:**

The process of selecting paper setters and examiners was initiated. Final list to be submitted for approval.

**Proposed by:** Dr. Nehete

**Seconded by:** Dr. Shirwadkar, Dr. Joshi

**Agenda No. 05: Industry-Academia Interface / Collaborative Teaching**

**Discussion:**

Proposals for joint teaching efforts, guest lectures, and internships with industry professionals were deliberated.

**Resolution:**

Proposal for collaborative teaching and industry engagement approved. Departments will identify potential industry partners.

**Proposed by:** Dr. Mandal

**Seconded by:** Dr. Shirwadkar, Mr. Rajpathak

**Agenda No. 06: Any Other Matter with Permission of Chair**

**Discussion:**

No additional matters were raised.

**Resolution:**

No action required.

**Agenda No. 07: Approval of BoS Resolutions for Academic Council Submission**

**Discussion:**

All resolutions and syllabus documents were reviewed for forwarding to the Academic Council.

**Resolution:**

All decisions and syllabus modifications approved for submission to the Academic Council for final ratification.

**Proposed by:** Dr. Shirwadkar

**Seconded by:** Mr. Rajpathak, Dr. Tatiya







**Agenda No. 08: Vote of Thanks**

**Discussion:**

The meeting was concluded with a formal vote of thanks delivered by Dr. Daksha L. Attarde who appreciated the enthusiastic participation and valuable contributions of all members.



Dr. J. Y. Nehete



Dr. S. R. Tambe

**PRINCIPAL**  
MGV's Pharmacy College  
Panchavati, Nashik-422 003.

