

MSBTE NEWSLETTER

OCTOBER 2026 EDITION

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1. FACULTY SPEAK



In today's healthcare environment, students need more than technical knowledge. They require communication skills, confidence, safety awareness, teamwork, ethical values and professional behaviour to meet the expectations of the pharmacy profession. In this changing scenario, Diploma Pharmacy education needs to move from traditional technical training towards future-ready skill development.

Building Skills Beyond the Classroom Soft skills are an important part of a pharmacy student's professional development. Activities such as group discussions, seminars, presentations, role plays, patient counselling exercises and mock interviews provide students with opportunities to improve communication, confidence, teamwork and problem-solving abilities. For example, during patient counselling activities, students learn how to explain the correct use of medicines in simple language. Such activities help students understand that a pharmacist's responsibility is not limited to dispensing medicines but also includes effective communication and patient care.

Developing Professionalism Professionalism is developed through everyday academic practices. Punctuality, discipline, ethical conduct, teamwork, Proper communication, appropriate dress code and respect for patients and colleagues are encouraged among students. Safety education is an essential part of pharmacy training. Students are encouraged to follow laboratory safety procedures, use appropriate personal protective equipment, handle chemicals carefully and practise proper pharmaceutical waste disposal. Developing these habits during diploma education helps students become responsible and safety-conscious professionals.

Towards Future-Ready Professionals The future pharmacy professional must be a combination of a knowledgeable learner, skilled worker, effective communicator and responsible healthcare professional. Therefore, diploma education should provide students with opportunities to apply their technical knowledge while developing soft skills and professional values. Future-Ready Pharmacy Professional = Technical Knowledge + Practical Skills + Soft Skills + Safety + Professional

As teachers, our role is not only to complete the syllabus but also to prepare students for the responsibilities they will face after graduation. Small changes in classroom teaching, practical training and student activities can make a meaningful difference in developing competent, confident and professional Diploma Pharmacy graduates.

Ms. Shruti S. Gaikwad
Lecturer, D Pharm, AESCOP Baramati.

Attachment Reference: Photograph No. 1. Mrs Shruti Gaikwad



Industry – Institute Collaboration : Co-Creation of Skills In Diploma Pharmacy Education

Rethinking the Purpose of Pharmacy Education : Pharmacy education operates at the intersection of pharmaceutical science, healthcare delivery, medicine regulation, and public health. The professional environment is increasingly influenced by **digitalisation**, evolving regulatory expectations, **patient-centred** care, **quality-management systems**, and **technology-enabled** pharmaceutical services. These developments require educational institutions to reconsider how students acquire, practise, and demonstrate professional competence.

Strategic Domains such as **Practice-integrated curriculum** enrichment, **Faculty capacity** building and **reciprocal** learning, **Work-integrated** and **experiential learning**, **Digital transformation** and **simulation**-based training, **Research, innovation**, and problem-solving partnerships, **Measuring Impact**: From Participation to Demonstrable Competence, Challenges and Governance Considerations should be considered for Advanced Industry–Institute Collaboration. To translate this philosophy into practice, a structured practices like **Competency Mapping**, **Co-Designed Learning**, **Competency Verification** should be followed.

Industry–institute collaboration represents an important opportunity to reimagine diploma pharmacy education as a dynamic partnership between academic knowledge and professional practice. Its real value lies not in the number of activities conducted but in the **competencies** students can demonstrate as a result. The future of diploma pharmacy education depends not merely on teaching what students should know, but on collaboratively developing and verifying what they should be able to do.

Ms. Dhanashri Nalawade, Lecturer, Anekant Education Society's College of Pharmacy, Baramati

Attachment Reference: Photograph No. 2. Ms. Dhanashri Nalawade



INDUSTRY-INSTITUTE COLLABORATION: TRANSFORMING ACADEMIC KNOWLEDGE INTO PROFESSIONAL COMPETENCE

Pharmacy education achieves its true purpose when theoretical knowledge is translated into practical competence. Diploma Pharmacy students need subject knowledge alongside technical skills, safety awareness, professional ethics, and the ability to adapt to the evolving pharmaceutical sector. Industry-institute collaboration helps connect academic learning with professional practice.

Experiential Learning Beyond the Classroom: Anekant Education Society's College of Pharmacy, Baramati, industrial visits and curriculum-based field visits help students relate classroom concepts to real-world applications. These activities provide exposure to pharmaceutical operations, workplace practices, quality standards, safety measures, and professional responsibilities. Expert guest lectures enrich learning by introducing students to industry perspectives, emerging developments, and the skills expected of pharmacy professionals. Such experiences also encourage observation, critical thinking, communication, teamwork, and professional confidence.

Strengthening Institutional Partnerships: The college has entered into Memoranda of Understanding (MoUs) with **Passiflora Laboratories Pvt. Ltd., Pune, and Ross Life Science, Pune**. These partnerships provide a framework for strengthening academic-industry interaction and exploring opportunities for knowledge sharing, professional exposure, and skill development. Meaningful collaboration requires active participation by faculty members, industry professionals, and students. Structured training, expert interactions, and feedback-based learning can help align educational activities with workplace expectations. Industry-institute collaboration is more than a formal association; it is an opportunity to make pharmacy education practical, relevant, and career-oriented. By integrating industrial exposure, field-based learning, expert guidance, and institutional partnerships, pharmacy institutions can support the development of competent, ethical, and industry-aware Diploma Pharmacy graduates.

Attachment Reference: Photograph No. 3. Mr. Anand Vitthaldas

2. STUDENT SPEAK

Industry-Ready Skills and Experiential Learning in Diploma Pharmacy



Introduction

Diploma in Pharmacy teaches us about medicines, their uses and the role of a pharmacist. During this course, we learn many new things through different subjects. Along with book knowledge, practical skills are also important because they help us understand how pharmacy work is done in real life.

Learning Through Practicals

During practical sessions, we get to know about different instruments and chemicals. We learn how to handle instruments, weigh chemicals and follow the correct procedure. We also understand why cleanliness, accuracy and safety are important in the laboratory. Practical work helps us understand the topics we study in class.

Skills Needed in the Pharmacy Field

A pharmacist needs to handle medicines carefully and guide patients properly. Students should learn how to read prescriptions, store medicines correctly and communicate clearly. Teamwork, time management and problem-solving are also useful skills for working in hospitals, medical stores and pharmaceutical industries.

Learning Through Experience

Learning through experience helps students connect theory with practical work. Practical demonstrations and suitable training can help us understand how pharmacy work is carried out. They also teach us to follow instructions, work carefully and take responsibility for our tasks.

Preparing for the Future

Pharmacy is changing with new medicines and digital technology. Students should be ready to learn new things and improve their skills. Communication, digital knowledge, patient safety and professional behaviour are important for future pharmacists.

Conclusion

Both theoretical and practical knowledge are important in Diploma Pharmacy. Practical experience helps students understand their subjects better, while communication and other professional skills prepare them for future responsibilities. Developing these skills during the course can help students become skilled and responsible pharmacy professionals.

Dipali Kumbhar
S.Y. D. Pharmacy
Anekant Education Society
College of Pharmacy, Baramati

Attachment Reference: Photograph No. 4. Ms. Dipali Kumbhar, SY D. Pharm

Soft Skills, Patient Safety & Professionalism in Pharmacy

BUILDING TRUST THROUGH SAFE, ETHICAL CARE

Raut Neha Mahadev

Anekant Education Society's College of Pharmacy, Baramati



OVERVIEW

Pharmacists are an essential part of the healthcare team. Their role extends beyond dispensing medicines; they help patients understand treatment, use medicines correctly and recognise risks. Strong communication, patient safety and professional conduct support better outcomes and strengthen public trust.

1. The value of soft skills

Soft skills are interpersonal qualities that help healthcare professionals communicate clearly and work effectively with patients and colleagues. In pharmacy practice, they are practical safety tools—not simply personal strengths.

- **Communication:** explain dose, timing, route, storage and possible side effects in plain language.
- **Active listening:** give patients time to explain symptoms, concerns and difficulties following treatment.
- **Empathy and patience:** respond respectfully, without judgement, especially when patients are anxious or confused.
- **Teamwork:** share relevant medicine information clearly with doctors, nurses and other healthcare professionals.
- **Problem-solving:** identify discrepancies and seek clarification before dispensing when something doesn't seem right.

"Clear communication turns medicine instructions into safer decisions."

2. Patient safety in daily practice

Patient safety means reducing avoidable harm throughout the medication-use process. A careful, consistent checking routine can help prevent errors before they reach a patient.

- Confirm the **right patient, medicine, dose, route and time**; check that the prescription is complete and legible.
- Verify strength, dosage form, expiry date, packaging and storage requirements.
- Check allergies, current medicines, duplicate therapy and possible interactions; consult the prescriber when needed.
- Use clear labels and counsel patients on missed doses, important side effects and when to seek medical help.
- Protect patient information and document interventions accurately.

3. Preventing medication errors

Errors may arise from look-alike or sound-alike medicine names, unclear prescriptions, interruptions, similar packaging or incomplete patient histories. Read labels carefully, avoid assumptions, minimise distractions during checking and report near-misses through the appropriate system so the team can learn and improve.

4. Professionalism and ethics

Professionalism means acting honestly, responsibly and within one's competence. A professional pharmacist respects every patient, maintains confidentiality, follows applicable laws and institutional procedures, and provides accurate, unbiased information.

- **Integrity:** never guess when uncertain; verify information using reliable references or a qualified colleague.
- **Confidentiality:** discuss patient details only with authorised people for legitimate care purposes.
- **Accountability:** maintain accurate records, acknowledge mistakes and escalate safety concerns promptly.
- **Respect:** provide non-discriminatory care and respect a patient's dignity, choices and cultural needs.
- **Continuous learning:** keep knowledge current as medicines, guidelines and technologies change.

5. Patient counselling: a simple approach

An effective counselling conversation should be brief, clear and patient-centred. Explain the medicine's purpose, how and when to take it, and important precautions. Invite questions, then ask the patient to repeat key instructions in their own words (the "teach-back" method). This helps confirm understanding without making the patient feel tested.

KNOW What is this medicine for?	CHECK Dose, label, expiry and allergies
ASK Questions or concerns	FOLLOW UP Effects and problems

6. Teamwork and continuous improvement

Safe care depends on coordinated teamwork. Pharmacists should communicate relevant concerns clearly, confirm verbal instructions when appropriate, and help patients understand changes when they move between healthcare settings. Recording and reviewing errors or near-misses supports learning rather than blame.

7. A practical safety checklist

- ✓ Verify prescription and patient identity
- ✓ Check allergies, interactions and duplicate medicines.
- ✓ Confirm medicine, strength, dose, route and timing
- ✓ Check expiry, storage and label clarity
- ✓ Counsel in simple language and invite questions
- ✓ Document accurately and escalate concerns

8. The growing role of the pharmacist

Modern pharmacy practice increasingly includes medication review, patient education, collaboration with healthcare teams and responsible use of digital tools. Technology can support safe dispensing and record-keeping, but professional judgement, privacy and verification remain essential. Pharmacists should use reliable, up-to-date sources and refer patients to a clinician when a concern is outside their scope.

CONCLUSION

Soft skills, patient safety and professionalism work together. Knowledge helps a pharmacist choose and explain the right treatment; empathy helps patients feel heard; ethical practice builds trust; and careful checking reduces preventable harm. Every pharmacy student can begin developing these habits through daily practice, reflection and lifelong learning.

KEY MESSAGE

Know the medicine. Check the details. Ask when unsure. Put the patient first.

REFERENCES

1. World Health Organization. Medication Without Harm: Policy Brief (2024).
2. World Health Organization. 5 Moments for Medication Safety (2019).
3. Pharmacy Practice textbooks and institutional patient-safety guidance.

Raut Neha Mahadev

Anekant Education Society's College of Pharmacy, Baramati

Professional practice • Patient-centred care • Medication safety

Attachment Reference: Photograph No. 5. Ms. Neha Raut, SY D Pharm

3. MAJOR ACTIVITIES



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Kaushal Vikas Training Program at Anekant English Medium School, Baramati

During July–September 2026, as part of the CBSE Kaushal Vikas initiative, the College conducted skill-based healthcare activities in collaboration with Anekant English Medium School, Baramati. Students received practical training in CPR, Blood Pressure Measurement and Blood Group Identification. A Dhanyantari Medicinal Garden Visit introduced students to medicinal plants and their uses. The activities involved 200+ students and 25 pharmacy student volunteers. The programmes promoted experiential learning, healthcare awareness and practical skills.

Attachment Reference: Photograph No. 6, 7,8,9 - Kaushal Vikas Training Program at Anekant English Medium School, Baramati

4. ACHIEVEMENTS: PUBLICATIONS, PATENTS AND STUDENT ACADEMIC, TECHNICAL & EXTRACURRICULAR ACHIEVEMENTS

Ph.D. Achievement



Dr. Sonali Akshay Zargad, In-charge HOD, Anekant Education Society's College of Pharmacy, Baramati, successfully completed her Ph.D. in Pharmaceutics from PES's Modern College of Pharmacy, Nigdi, affiliated with Savitribai Phule Pune University, Pune. Her research work was titled "Development and Evaluation of Polymeric Nanogel Drug Delivery for Antirheumatic Drugs." She registered for her Ph.D. in 2020 and her result was declared on 09 January 2026. This achievement reflects her dedication to advanced research and pharmaceutical education.

Patent Granted



Dr. Sonali Akshay Zargad, In-charge HOD, Anekant Education Society's College of Pharmacy, Baramati, has been granted an Indian Patent (Patent No. 601058) for the invention titled "A Process for Preparing Methotrexate-Loaded Nanogel for Topical Drug Delivery." The patent was granted on **01 September 2026**, with validity up to 01 September 2046. This achievement reflects the institute's commitment to innovation and research in pharmaceutical sciences.

Book Publication



Dr. Sonali Akshay Zargad has achieved a significant academic milestone with the publication of her book "**General Pharmacy**" by **JES Publication** on **3rd September 2026**. This scholarly contribution reflects her dedication to academic excellence and the advancement of pharmaceutical education. The publication brings pride to the institution and inspires faculty members and students to pursue academic and research excellence.

ISBN: 978-93-6976-491-4

Research Paper Publication



Dr. Sonali Zargad, Department of Pharmaceutics, Anekant Education Society's College of Pharmacy, Baramati, contributed as a co-author to the research paper titled "**In Silico Investigation of Pyrrole-Based Compounds Targeting InhA for the Development of Novel Antitubercular Agents,**" published in *High Technology Letters* (ISSN: 1006-6748). The study explores innovative computational approaches for identifying potential antitubercular agents. This achievement highlights the faculty's contribution to pharmaceutical research, drug discovery, and academic excellence.

Attachment Reference: Photograph No. 10 Dr. Sonali Zargad

Book Publications



Prof. Sukanya Paricharak, Lecturer, Anekant Education Society's College of Pharmacy, Baramati, **authored** the book "*General Pharmacology*", published on 13/08/2026 by Ingole Publication with ISBN 978-81-685620-5-9. The book is prepared in accordance with NEP 2020 and focuses on basic and application-oriented pharmaceutical knowledge. It provides a clear understanding of fundamental pharmacological concepts for B. Pharm and D. Pharm students as per the MSBTE J-Scheme syllabus. The book serves as a student-friendly resource for strengthening conceptual understanding and practical application of pharmacology.



Prof. Paricharak Sukanya Pramod, Anekant Education Society's College of Pharmacy, Baramati, served as an **Editor** for the international book *Advances in Pharmaceutical Sciences: Drug Development, Pharmacology, and Therapeutics, Volume 6S1, Book 4*. The book was published with ISBN: 978-81-6774-327-5 and e-ISBN: 978-81-6774-326-8. The publication carries ISSN: 3070-7617 and DOI 10.58532/nbennurAPSDV6B4. The book presents contemporary knowledge and advances in drug development, pharmacology, and therapeutics, supporting pharmaceutical education and research.

Attachment Reference: Photograph No. 11. Ms. Sukanya Paricharak

5. INDUSTRY COLLABORATION



AESCOP, SPCOE-AI and KBIET Sign MoU to Strengthen Research and Innovation

Anekant Education Society's College of Pharmacy (AESCOP), Baramati, Sharadchandra Pawar Centre of Excellence in Artificial Intelligence (SPCOE-AI), Baramati, and Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology (KBIET), Baramati, signed an MoU on 29th June 2026 to promote interdisciplinary research, innovation and technology development. The collaboration integrates pharmacy, healthcare, engineering, AI and Machine Learning, facilitating joint research, student projects, workshops and AI-enabled healthcare solutions.

Attachment Reference: Photograph No. 12 AESCOP, SPCOE-AI and KBIET Sign MoU to Strengthen Research and Innovation

6. INNOVATION & TECHNOLOGY: DIGITAL LEARNING



AESCOP Faculty Strengthen Professional Skills through SWAYAM–NPTEL Certifications:

Anekant Education Society's College of Pharmacy (AESCOP), Baramati, has strengthened its commitment to faculty development and continuous professional learning through active participation in the SWAYAM–NPTEL Local Chapter (ID: 7525). Dr. Aarti Abhishek Shah, Associate Professor, Department of Pharmacology, serves as the Single Point of Contact (SPOC) and coordinates the NPTEL activities. Faculty members Dr. Sonali Zargad, Mrs. Anand Mahavir Vitthaldas, Ms. Sukanya Paricharak and Mrs. Apeksha Patil successfully completed NPTEL certification courses in areas including Pharmacognosy, Metabolic Engineering, Pharmaceutical Dosage Forms and General Pharmacology. The initiative promotes continuous upskilling, digital learning and academic enrichment, supporting AESCOP's vision of a knowledge-driven and future-ready academic community.

Attachment Reference: Photograph No. 13 AESCOP Faculty Strengthen Professional Skills through SWAYAM–NPTEL Certifications:

7. COMMUNITY ENGAGEMENT



World Pharmacist Day 2026: Street Play for Public Health & Safe Medicine Use

As part of World Pharmacist Day 2026 and National Pharmacy Week, B. Pharm and D. Pharm students performed street plays at Baramati Bus Stand and Mahila Shaskiy Rugnalay. The activity spread awareness about safe medicine use, self-medication, online medicines, and the important role of pharmacists. Students highlighted responsible use of BP, diabetes medicines & antibiotics. The activity successfully engaged the public and promoted health awareness and rational medicine use. It also enhanced students communication, teamwork, confidence, and public-speaking skills.

Attachment Reference: Photograph No. 14. World Pharmacist Day 2026: Street Play for Public Health & Safe Medicine Use

8. INSTITUTIONAL SUCCESS STORY: AESCOP, BARAMATI



Anekant Education Society was established in 1961 with the motto “Siddhiranekantat” and the guiding philosophy of “Anekantwad.” With a rich educational legacy, the Society established Anekant Education Society’s College of Pharmacy (AESCOP), Baramati, offering Diploma in Pharmacy (D. Pharm) and Bachelor of Pharmacy (B. Pharm) programmes. Within just two years of its establishment, the institute has made encouraging progress in quality education and holistic student development. AESCOP has achieved Good and Very Good grades in EIMC inspections, reflecting its commitment to institutional quality and continuous improvement. The institute follows a student-centric teaching-learning approach integrating theoretical knowledge, practical training, interactive teaching methods, and continuous assessment. Through 9 Memoranda of Understanding (MoUs), AESCOP promotes academic collaboration, professional exposure, and skill development through partnerships with hospitals, software industries, and pharmaceutical industries such as Passiflora, Ross life Sciences, Pune. The institute also collaborates with business and entrepreneurial hubs, including Navkar LLP and PharmaHub, Baramati, as well as Atal Incubation Centres (AICs), to encourage innovation, entrepreneurship, industry interaction, and career-oriented learning opportunities for students.

Industrial visits, hospital visits, laboratory visits, and other field-based learning activities help students connect classroom knowledge with real-world pharmaceutical practices. The institute also encourages participation in seminars, workshops, cultural programmes, sports, health awareness campaigns, and extracurricular activities. AESCOP focuses on developing students’ technical competencies, communication skills, leadership qualities, professional ethics, and social responsibility. Supported by the educational heritage of Anekant Education Society, the institute is committed to nurturing competent, confident, and industry-ready pharmacy professionals. AESCOP’s journey reflects its dedication to academic excellence, experiential learning, quality education, and the holistic development of future pharmacists.

Attachment Reference: Photograph No. 15 Institutional Success Story: AESCOP, Baramati

9. FEEDBACK ON MSBTE NEWSLETTER

The MSBTE Newsletter is a commendable initiative that reflects the Board's commitment to excellence, innovation, and quality improvement in technical education. The April 2026 edition provides valuable insights into academic developments, innovative teaching practices, student achievements, industry collaborations, and institutional success stories. It serves as an effective platform for sharing knowledge, recognizing accomplishments, and inspiring institutions to adopt progressive and industry-oriented educational practices.

The newsletter's focus on emerging technologies, skill development, faculty contributions, and outcome-based education is particularly relevant in today's rapidly evolving technical landscape. It encourages faculty members and students to embrace innovation, strengthen professional competencies, and prepare for future industry challenges.

I appreciate the dedicated efforts of the MSBTE team in bringing together informative and inspiring content. Incorporating more institutional success stories, research initiatives, placement achievements, entrepreneurial activities, and innovative student projects in future editions would further enrich the newsletter and promote collaboration among affiliated institutes.

Overall, the MSBTE Newsletter is a valuable resource that fosters academic excellence, professional development, and a culture of continuous improvement in technical education.

Dr. Darshan Shah, Principal

Anekant Education Society's
College of Pharmacy, Baramati