



IOPR NEWSLETTER

EDITION-II

VIDARBHA YOUTH WELFARE SOCIETY'S, INSTITUTE OF PHARMACY AND RESEARCH,
BADNERA.

**THEME: "DRONE TECHNOLOGY:APPLICATIONS
AND CHALLENGES."**



INSTITUTION AT A GLANCE

The Institute of Pharmacy and Research (IOPR), Badnera, affiliated with MSBTE, stands as a beacon of quality pharmaceutical education under the umbrella of Vidarbha Youth Welfare Society, with a vision to become a Centre of Excellence, it continues to innovate in both academic delivery and student welfare.

Vision:

“To Become a Centre of Excellence in Pharmaceutical Education by Providing Standard Academics That Connect Knowledge, Practice, and Research.”

Mission:

“To Foster Pharmacists by Providing a Continuously Improving Academic Environment That Promotes the Advancement of Pharmaceutical Knowledge, Both in Creation and Dissemination.”

PRINCIPAL'S DESK



Dear Students,

Institute of Pharmacy and Research Badnera (IOPR) was established in the year 2017 with the clear intention of Quality Pharmacy Education. Institute offers D. Pharm, B. Pharm. and M. Pharm courses affiliated to Sant Gadge Baba Amravati University, Amravati (SGBAU) and Maharashtra State Board of Technical Education, Mumbai (MSBTE). Institute has emerged as a fastest developing educational Institute in Amravati Region. Institute is well known for its academic culture and disciplined atmosphere. With the dedicated highly qualified team Institute is committed to fostering a dynamic learning and research environment, innovative teaching methodologies and overall personality development of students. Students of IOPR, Badnera consistently performing excellently on academic, curricular, extra-curricular, social front.

We are eager to inspire and guide the next generation of pharmacy professionals and contribute to their academic, all-rounder personality development.

Drone Technology: Applications and Challenges



Wings of Innovation – The Rise of Drone Technology.

Drones, or Unmanned Aerial Vehicles (UAVs), have evolved beyond military use to become transformative tools across industries. From precision agriculture and disaster management to aerial photography and logistics, drones are revolutionizing how we observe, analyze, and act. Farmers now monitor crop health from the sky, while emergency teams use drones to access disaster zones unreachable by humans.

However, rapid adoption brings challenges in regulation, privacy, and airspace safety. Balancing innovation with ethical and legal frameworks is crucial for sustainable growth.

"Drones give us wings to see the world differently, but responsibility must guide every flight."

Navigating the Skies – Opportunities and Obstacles.

The global drone market reflects the fusion of technology, efficiency, and creativity. Industries rely on drones for infrastructure inspection, environmental monitoring, and medical supply delivery—tasks once costly and time-consuming.

Yet, their integration faces technical, security, and operational challenges, including battery limitations, data security, and strict aviation laws. To fully harness drone potential, stakeholders must invest in smart regulation, advanced training, and robust cybersecurity measures.

"Every flight of a drone is a step toward a future where innovation meets responsibility."

Faculty Speak



Drone Technology – Opportunities in the Sky, Challenges on the Ground

The rise of drones signals a new era where automation meets accessibility. Healthcare systems deploy drones to deliver medicines in remote regions, while researchers track wildlife and monitor climate change with aerial precision. For industries, logistics, surveillance, and smart agriculture highlight the immense economic and social benefits of UAVs.

Yet, battery limitations, cybersecurity risks, and strict airspace regulations present ongoing obstacles. Moreover, public concerns over privacy demand that developers and governments create transparent and responsible frameworks for drone usage.

As technology advances, training skilled operators and developing robust policies will be essential to unlock drones' full potential.

Drones in Healthcare – Revolutionizing Medical Delivery:

Drones are emerging as lifesavers in healthcare, bridging gaps in emergency response and medicine delivery. In remote regions, blood samples, vaccines, and essential drugs reach hospitals faster through drone transport, reducing critical delays.

However, weather dependency, limited battery life, and regulatory approvals pose challenges to widespread use. As technology matures, integration with AI and GPS mapping promises a future where drones become essential healthcare allies. When technology serves humanity, distance is no longer a barrier to care.

"The future of drones lies not just in flight, but in the wisdom of how we guide them."

By: Ms. Esha S. Rithe, Lecturer, IOPR



Drones – Transforming the World from Above

Drones, or Unmanned Aerial Vehicles (UAVs), are reshaping industries by offering efficiency, precision, and innovation. From agriculture and infrastructure inspection to medical supply delivery and environmental monitoring, drones provide solutions that were once expensive or impossible.

In disaster management, they assist in search-and-rescue operations and real-time damage assessments, saving both time and lives. Businesses utilize drones for surveying, cinematography, and logistics, reflecting their multi-sector impact.

However, this technological leap is not without hurdles. Regulatory restrictions, privacy concerns, and airspace safety remain critical challenges. Balancing innovation with ethical practices and strong governance will determine the pace of drone adoption worldwide.

Embracing the Sky of Innovation

“Drone technology represents the perfect blend of innovation and utility,”

From precision agriculture to disaster management, drones are enabling faster decision-making and safer operations.

However, regulatory frameworks and ethical use remain the key challenges. Faculty emphasize training students to balance creativity and responsibility, ensuring that drones serve society without compromising privacy or safety.

"Innovation in the skies must always be guided by responsibility on the ground."

Drones extend our vision, but responsibility keeps innovation grounded.

STUDENTS ACHIEVEMENTS

Nafisa Hussain received third runner up on 4/04/2025 at the All India University [AIU] National Women's Youth Parliament held at Centurion University of Technology, Odisha from 2/04/25 to 4/04/25.

More than 50 universities from all Over India Participated, in the AIU Parliament.



"EVERY DEBATE IS A STEP TOWARD LEADERSHIP—NAFISA HUSSAIN'S SUCCESS REMINDS US THAT THE FUTURE BELONGS TO PREPARED MINDS."

STUDENTS ACHIEVEMENTS

D.Pharm 1st Year students Ms. Manisha Samanta, Mr. Abhishek Deoke, Mr. Abhishek Sarate, Mr. Sarvesh Ghode and Mr. Ashar Nawaj for securing the 1st Prize and winning a cash prize of ₹5000 in the Poster Presentation Competition on 15/04/25 held at G. H. Raisoni College, Badnera on the topic "Pharmaceutical Distribution and Marketing Strategies."



"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice, and most of all, love of what you are doing."

GUEST LECTURE

VYWS Institute of Pharmacy and Research, Badnera organized a Guest lecture on 03/05/2025 of Ms. Rashmi Ganeshe, Technology Manager, Soujanya colors Pvt.Ltd., Mumbai, on topic "Opportunities and Emerging Trends in field of Cosmetic Technology" aimed at expanding the horizons of our students about the dynamic and rapidly growing cosmetic industry.

The session shed light on the numerous career and research opportunities available in the cosmetic sector, which continues to evolve with innovation and consumer demand. The expert speaker highlighted how students can explore exciting roles across various departments such as: Perfumery , Cosmetic, Colours ,Packaging.

The lecture also emphasized the increasing importance of natural and sustainable ingredients, cosmeceuticals, and regulatory affairs in shaping the future of cosmetic technology.

The event inspired students to consider unconventional career paths and underscored the importance of staying updated with emerging trends in this vibrant industry.

An interactive Q&A session added depth to the lecture, where faculty members actively engaged with the speaker, posing thoughtful questions that further enriched the discussion.



"Opportunities don't wait—they are created by those who stay updated and innovate in their field."

CAMPUS PLACEMENT DRIVE

Campus Placement Drive at Institute of Pharmacy and Research, Badnera

A Campus Placement Drive was successfully organized at the Institute of Pharmacy and Research, Badnera, on 17th May 2025. The event witnessed enthusiastic participation from final-year B. Pharmacy and M. Pharmacy students, as well as alumni of the institute.

The placement drive was conducted in collaboration with Laxachem Organics Pvt. Ltd., a reputed pharmaceutical company based in Amravati. A total of 30 candidates registered for the drive. The selection process included a preliminary written test followed by personal interviews.

The entire event was organized under the valuable guidance of the Principal, Prof. (Dr.) Sachin Dighade, Faculty members Asst. Prof. Neha Gallani, Asst. Prof. Tushar Dhote, along with the entire teaching and non-teaching staff, extended their full support to ensure the smooth execution of the drive.

The institute remains committed to providing students with career opportunities through such industry interactions and placement initiatives.



"Opportunities don't just knock—they are created by preparation and perseverance."



CAMPUS EVENTS & ACTIVITIES

Harit Yoga – Ek Ped Maa Ke Naam

The "Harit Yoga" event, themed "Ek Ped Maa Ke Naam," was successfully organized by Institute of Pharmacy and Research, Badnera-Amravati on 20/06/2025 bringing together around 30 participants. The event featured a tree plantation drive where participants planted medicinal and ornamental plants. The activity aimed to promote environmental sustainability while paying tribute to mothers. Through discussions and hands-on participation, the event highlighted the importance of tree plantation and its impact on the environment. The initiative not only contributed to a greener campus but also fostered a sense of responsibility among participants towards eco-friendly practices. All the participants decided to plant at least one tree in the name of Mother.

For this event Prof. (Dr.) S. J. Dighade Principal of the Institute along with NSS programme officer, teaching and non-teaching staff contributed to their fullest extent.



*"Harit Yoga:
Connecting
hearts to roots,
and roots to
memories."*

*"Planting today,
leading
tomorrow —
where education
meets
responsibility."*



CAMPUS EVENTS & ACTIVITIES



Yoga Day

The Institute of Pharmacy and Research, Badnera celebrated International Yoga Day on 21st June 2025 with a rejuvenating event titled “Yoga Sangam”, promoting physical, mental, and spiritual well-being. The session, led by Mrs. L. S. Chawla (Retd. Associate Professor, DCPE HVPM, Amravati), included beneficial yogasanas like Tadasana, Padmasana, Vrikshasana, Bhujangasana, and Anulom Vilom, leaving participants refreshed and energized.

A felicitation ceremony followed, expressing gratitude to the instructor for her guidance. The program was successfully conducted under the leadership of Principal Prof. (Dr.) S. J. Dighade, with efficient coordination by NSS Program Officers Mr. A. S. Raut and Ms. R. R. Mangwani.

"Yoga is the journey of the self, through the self, to the self."



*"Yoga:
Where mind,
body, and
spirit unite."*

*"Stretching
beyond
borders –
International
Yoga Day
2025."*



INDUSTRY ENGAGEMENT & EXPERT TALKS

IOPR places a strong emphasis on industry-institute interaction. Several notable initiatives were undertaken:

Guest Lecture by Mr. Saher Anwar Mohammad Zafar Husain (Alumnus):

A successful entrepreneur in the pharmacy sector, he motivated students to explore startups and self-employment opportunities. "VYWS Institute of Pharmacy and Research, Badnera, recently organized a guest lecture by esteemed alumni Mr. Saher Anwar Mohammad Zafar Husain on 22/03/25 on the topic of Self Employment.

Mr. Husain inspired students to explore entrepreneurial opportunities, sharing valuable insights and practical advice to the students. He also shared insights on setting up a pharmacy and strategies for maximizing profits.

In addition to setting up a pharmacy, he also provided valuable information on effective pharmacy management, including best practices for day-to-day operations and strategies for long-term success.



IOPR TOPPERS

Celebrating Academic Excellence at IOPR Badnera.

The Vidarbha Youth Welfare Society's Institute of Pharmacy and Research, Badnera, proudly celebrates the outstanding achievements of our D. Pharm. First Year and Second Year Toppers in the MSBTE Summer 2025 Examination.

- **D. Pharm. First Year Toppers:**

- 1 Ms. Purva R. Yadav – 78.30%
- 2 Ms. Mamta A. Yadav – 77.70%
- 3 Ms. Nagyna V. Manghwnani – 77.60%

- **D. Pharm. Second Year Toppers:**

- 1 Ms. Priyanka O. Karde – 81.18%
- 2 Ms. Shailja N. Nawathe & Ms. Rajnandini M. Thunakale – 80.00%
- 3 Ms. Shraddha V. Jumble – 79.82%

Your hard work and dedication inspire excellence and set a benchmark for all IOPR students.

Vidarbha Youth Welfare Society's
INSTITUTE OF PHARMACY AND RESEARCH
Anjangaon Bari Road, Badnera-Amravati

D. Pharm. First Year			D. Pharm. Second Year								
 FIRST 78.30% Ms. Purva R. Yadav						 FIRST 81.18% Ms. Priyanka O. Karde					
 SECOND 77.70% Ms. Mamta A. Yadav						 SECOND 80.00% Ms. Shailja N. Nawathe					
 THIRD 77.60% Ms. Nagyna V. Manghwnani						 SECOND 80.00% Ms. Rajnandini M. Thunakale					
						 THIRD 79.82% Ms. Shraddha V. Jumble					

Congratulations
TOP NOTCHERS
For Success in D. Pharm MSBTE
Summer-2025 Examination.
Academic Year 2024-25

"Toppers are not born—they are made through consistency, focus, and passion."

MOU'S SIGNED:

With retail pharmacy chains for hands-on training.

- With pharmaceutical distributors for industrial exposure and internships.

MoUs Signed with Industries and Organizations:

Our institute has successfully signed Memorandums of Understanding (MoUs) with the following esteemed organizations and institutions to enhance industrial exposure, research collaboration, student training, and academic growth:

- 1. Madhavbaug Clinic, Mudholkar Peth, Rajapeth, Amravati**
 - 2. ALLMPUS Laboratories, Adarsh Nagar, MIDC - Amravati**
 - 3. AVR Human Development Institute, Amravati**
 - 4. Centre of Science for Villages, Dattapur, Wardha**
 - 5. Prof. Ram Meghe Institute of Technology and Research, Badnera, Amravati**
 - 6. VYWS Dental College & Hospital, Tapovan, Wadali Road, Camp, Amravati**
 - 7. KC Overseas Education Pvt. Ltd., Amravati**
 - 8. TS&R Tech Services, Chhatrapati Sambhaji Nagar, Aurangabad**
 - 9. Shree Shivkrupanand Swami Foundation, Rajkot**
 - 10. Krushnarpan Medical, Amravati**
 - 11. H Jules & Company Limited, MIDC Area, Hingna, Nagpur**
 - 12. Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha**
 - 13. Global Talent Track Pvt. Ltd., Pune**
 - 14. Capital Lifesciences & Ianaadhar Aushadhi Seva Pvt. Ltd., Amravati**
 - 15. Mahatma Gandhi Ayurved College Hospital and Research Center, Solod, Wardha**
 - 16. Allwin Medicot Pvt. Ltd., Wardha**
 - 17. Maharashtra Center for Entrepreneurship Development (MCED), Aurangabad**
 - 18. GPAT Discussion Center Pvt. Ltd., Bilaspur**
 - 19. Warkas Research and Innovations Pvt. Ltd., Amravati**
 - 20. Neovant Therapeutics Pvt. Ltd., Ahmedabad**
 - 21. Sairatna Medicals, Amravati**
 - 22. Zenith Hospital, Walcut Compound, Amravati**
 - 23. Government College of Pharmacy, Kathora Naka, Amravati**
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MOU WITH GOVERNMENT COLLEGE OF PHARMACY, KATHORANAKA, AMRAVATI.

The Institute of Pharmacy and Research, Badnera proudly signed a Memorandum of Understanding (MoU) with Government college of Pharmacy to strengthen academic collaboration and skill development initiatives.



"Collaboration is the seed that grows into academic excellence."

"When institutions unite, education evolves."



"Partnerships in education open doors to innovation, knowledge, and shared success."

MOU WITH GOVERNMENT COLLEGE OF PHARMACY, KATHORA NAKA, AMRAVATI.

The Institute of Pharmacy and Research, Badnera, in collaboration with Government College of Pharmacy, Amravati, conducted the Student Induction Program

Students explored various laboratories and equipment during a guided tour, gaining hands-on exposure to the instruments and facilities. In the afternoon, Dr. Sandip Tatewar, former professor of Civil Engineering, GCOEA, delivered an insightful lecture on “Universal Human Values in Holistic Education.”

The day concluded with interactive feedback sessions from students and faculty, enriching the induction experience.



"Collaborations create pathways for knowledge, exposure, and holistic learning."



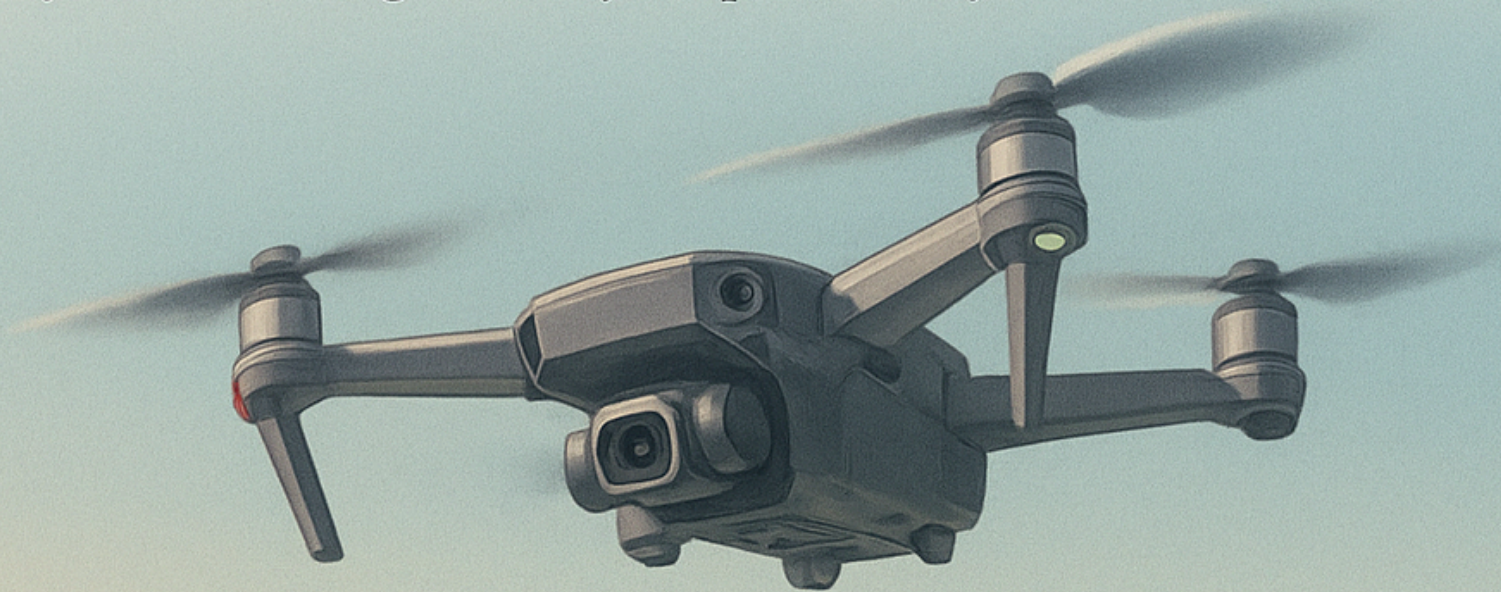
Conclusion

Drones – Shaping the Skies of Tomorrow

As we conclude this edition, the exploration of Drone Technology: Applications and Challenges highlights how UAVs are transforming industries, from healthcare and disaster response to agriculture and smart cities.

While the potential is vast, this journey is not without obstacles—airspace safety, cybersecurity, and ethical concerns. True progress lies in balancing innovation with responsibility, ensuring that every flight contributes to society without compromising safety or privacy.

–The sky is no longer the limit—it is the beginning of innovation guided by responsibility.“



Credentials

Recognized By AICTE, New Delhi

Approved By DTE

Affiliated to MSBTE, Mumbai

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