

PharmaVision



2024-25



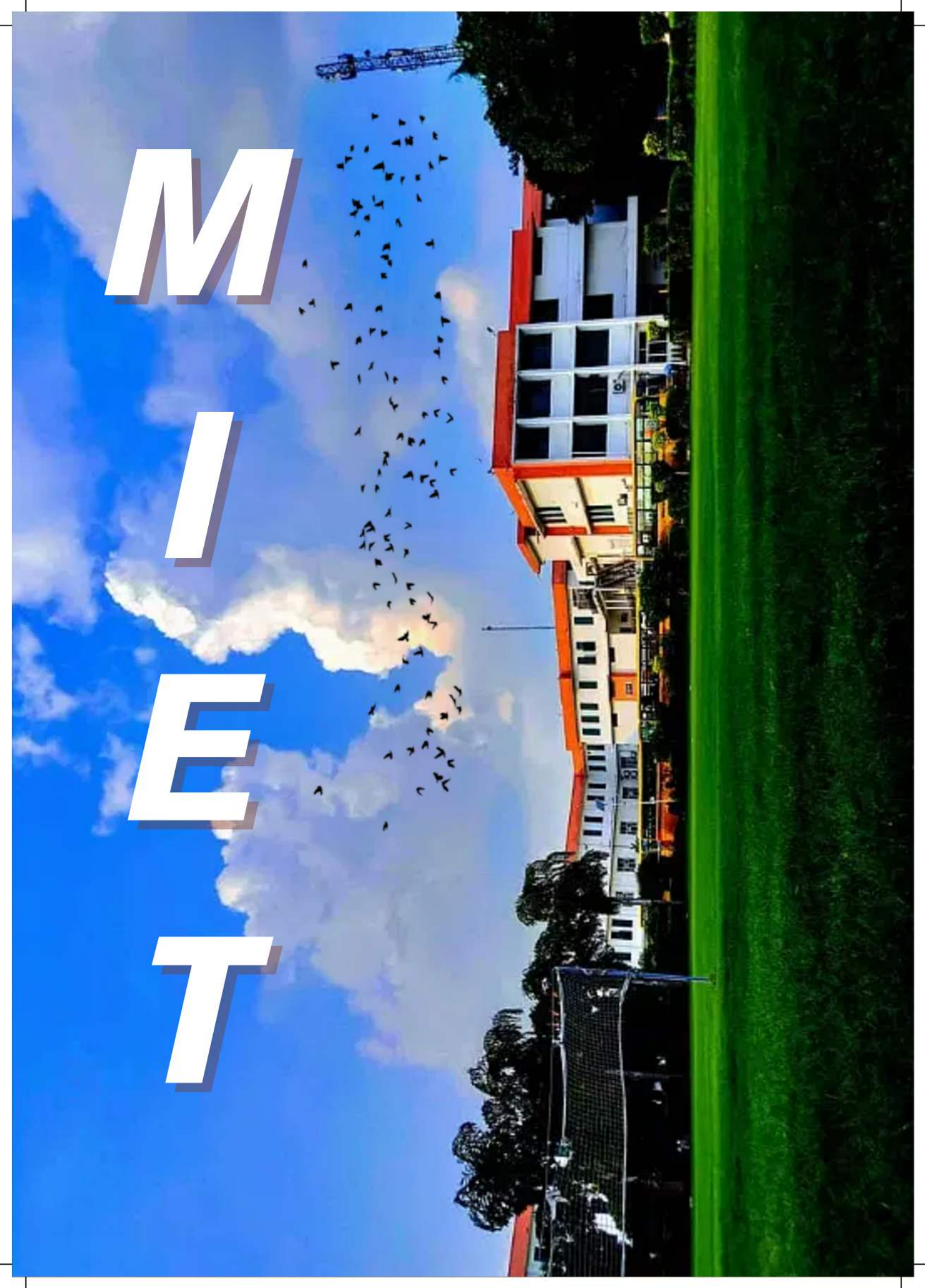
DEPARTMENT OF PHARMACEUTICAL
TECHNOLOGY

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OUR INSPIRATION



Professor Mahadeva Lal Schroff, widely revered as the "Father of Pharmacy Education in India," was a visionary who revolutionized the field of pharmaceutical sciences in the country. Born on March 6, 1902, in Darbhanga, Bihar, his relentless efforts led to the modernization and structuring of pharmacy education.

Schroff's most significant contribution was the introduction of a formal degree course in pharmacy. In 1932, he established a three-year B.Pharm course at Banaras Hindu University, providing a comprehensive curriculum that integrated pharmaceutical chemistry, pharmacognosy, and pharmaceutics. This laid the foundation for standardized pharmaceutical education across India.

He was also instrumental in founding the United Provinces Pharmaceutical Association in 1935, which later evolved into the Indian Pharmaceutical Association (IPA). Through his pioneering work in establishing formal education and professional organizations, Professor M.L. Schroff elevated the status of the pharmacy profession, ensuring a legacy of skilled pharmaceutical professionals in India. He passed away on August 25, 1971.

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Message from Chairman



**SHRI VISHNU SARAN
B.E. (MECHANICAL)**

Shri Vishnu Saran, B.E. (Mechanical), Chairman of MIET, has obtained his B.E. (Hons.) degree from NIT Kurukshetra and then served the state of Uttar Pradesh for over 37 years as Director of Boilers. He is a man with an extraordinary perception of a better tomorrow for each student who enters the premises of MIET through the provision of the best possible resources one could ask for. He is a visionary who is carrying on the dream philanthropic project nurtured by his father, the Founder-Chairman of MIET Group, the Late Sri CS Agarwal. He strongly believes and follows the four golden principles for success laid by the honorable Late Smt. Indira Gandhi ji – Foresight, Hard Work, Determination and Discipline.

The strength of MIET indeed lies in his grit & determination, the forceful support by his excellent subordinates, and the overall study orientation through multi-development policies that have distinctly made MIET a name brightening up in progression each year.

Message From Vice Chairman



**SHRI PUNEET AGARWAL
VICE-CHAIRMAN**

Shri Puneet Agarwal, vice-chairman of the MIET Group of institutions, is a Civil Engineering graduate from one of the prestig Institutes of Technology, BHU, now known as IIT, BHU. He has done his PGDM from the Indian Institute of Management, Ahmeda He holds a rich experience of 24 years with multinational, Indian corporates, PSU, and consultancy firms and also in diverse industries including Power and Power Equipment, Textiles, Retail, Education, and IT. The areas of his strong exposure consi Sales & Marketing, Engineering Design, Operations, and Corporate Finance. He has shown unalloyed dedication to invigoratin educational progress of students. His vowed mission is to enlighten and vitalize the pedantic capabilities of young minds and widen the horizons of their thoughts and feelings in all three educational campuses of higher learning under the MIET Group namely:

Meerut Institute of Engineering and Technology (MIET), Meerut, U.P.
Meerut Institute of Technology (MIT), Meerut, U.P.
MIET Kumaon Engineering College, Haldwani, Distt. Nainital, Uttarakhand

Established in the year 1997, the MIET Group has more than 60 acres of land spread across the three campuses encompassing good. roads along with many huge trees, nice pedestrian walkways, gardens, etc. in Uttar Pradesh as well as Uttrakhand. Many technical courses being delivered in all three campuses in affiliation with the state technical universities while non-technical courses have affiliation to the state universities respectively

Message from Campus Director



PROF. (DR.) S.K. SINGH
CAMPUS DIRECTOR

We, at MIET College strongly believe that the holistic development of students is possible by focusing on core areas which are Concept Based Learning and Comprehensive Industrial Exposure.

We offer 360-degree nurturing for overall grooming and developing global competency. We are committed to excellence through innovations in the teaching and learning process and have been successful in maintaining high academic standards by taking appropriate steps to bridge the gap between industry and academia.

With the advent of new technologies, it is the responsibility of the academic sector to be upgraded as per the needs of the industry. The requirements and expectations of the industrial sector need to be identified and the grooming of students ought to be done accordingly by the academic institution.

Our institution is highly motivated and putting up sincere efforts in this direction. We have developed several state-of-the-art labs, Centres of Excellence (CoE), and Advanced R&D Labs and have signed a good number of MoUs with different industries at the College and Departmental Levels. Centres of Excellence are corporate training centres for renowned industries.

We feel privileged to have world-class infrastructure and meticulous faculty and staff members who are committed to providing comprehensive development of students to groom them into successful engineers and empathetic human beings at large.

Message From The Dean Academics



PROF. (DR.) SANJEEV SINGH
DEAN ACADEMICS

It gives me immense pleasure to welcome you to Meerut Institute of Engineering and Technology, an institution dedicated to excellence in education, research, and innovation. At MIET, we believe that true learning goes beyond textbooks, it is about developing critical thinking, creativity, and a spirit of inquiry that prepares students to meet the challenges of a rapidly evolving world.

Our academic philosophy is centered on providing a balanced blend of theoretical knowledge and practical exposure. We encourage our students to participate in projects, internships, and research activities that nurture problem-solving abilities and professional competence. With a team of highly qualified faculty, state-of-the-art laboratories, and an environment conducive to learning, MIET continues to uphold its reputation as one of the leading institutions in North India.

We are committed to shaping not just skilled professionals, but responsible citizens who contribute meaningfully to society. I invite all students to make the best use of the opportunities and resources available at MIET and embark on a journey of lifelong learning and success.

Message From Placement Director



MS. AKANKSHA AGARWAL
PLACEMENT DIRECTOR

At MIET, we don't just prepare students for jobs; we prepare future leaders ready to make an impact in a dynamic world."

At MIET, we believe in empowering our students with the skills, knowledge, and confidence to thrive in a dynamic professional world. The Training and Placement Cell works tirelessly to bridge the gap between academia and industry, ensuring our students are well-prepared to meet the expectations of leading organizations.

We are proud of the strong industry partnerships we've built over the years and remain committed to facilitating successful careers for our students. We welcome recruiters to engage with our talented pool of future-ready professionals.

Message From The Principal



PROF. (DR.) VIPIN KR. GARG
PRINCIPAL AND PROFESSOR

It is my privilege to welcome you to the Department of Pharmaceutical Technology, MIET, Meerut. As Professor and Head, it gives me immense pleasure to lead a department recognized among the finest pharmacy institutes in northern India. Our vision is to be a "Center of Excellence" by imparting quality, value-based, and career-oriented education. With experienced faculty, dynamic curriculum, research opportunities, and industry-academia collaborations, we nurture students to become skilled professionals. The curriculum blends healthcare and technology, ensuring holistic growth. We offer B. Pharm., M. Pharm. (Pharmaceutics), and M. Pharm. (Pharmacology). I warmly wish all students a bright and successful future.

Message From Magazine Committee



**MS. ANUSHKA SHARMA
FACULTY COORDINATOR,
DEPARTMENTAL MAGAZINE**

Dear students,

It's my pleasure to connect with you all as the Faculty Coordinator of our Department magazine. My name is Anushka Sharma, and I'm an Assistant Professor in the Pharmacy Department.

The college magazine is a space for us to celebrate the unique talents and voices within our college. It's an opportunity to showcase your creativity, whether through writing, photography, poetry, or design. I'm incredibly excited to see the stories you'll tell and the perspectives you'll share.

I encourage each of you to contribute and be a part of this journey. Let's work together to make this magazine a true reflection of our college community.

Best regards,



**DR. ALIMUDDIN SAIFI
FACULTY COORDINATOR,
DEPARTMENTAL MAGAZINE**

It is a matter of pride to witness the release of our departmental magazine, showcasing the talent, knowledge, and dedication of our pharmacy students. This publication reflects not only their academic potential but also their creativity and commitment toward the profession.

The field of pharmacy continues to evolve rapidly, and it is heartening to see our students keeping pace with new ideas, research, and innovation. I believe such initiatives provide a wonderful platform for expression, collaboration, and growth beyond the classroom.

I congratulate the editorial team and all contributors for their sincere efforts in bringing this magazine to life. May this serve as an inspiration for all to strive for excellence in the noble field of pharmaceutical sciences.

Editorial Board

Students



Dhruv Gupta
B.Pharm
III YEAR



Vaishnavi Singh
B.Pharm
III YEAR



Pratiksha Dobriyal
B.Pharm
III YEAR



Sachin kr. Saini
B.Pharm
III YEAR



Kanika Garg
B.Pharm
III YEAR



Paridhi Gupta
B.Pharm
III YEAR



Rashi Goel
B.Pharm
II YEAR

VISION OF DEPARTMENT

- To be an outstanding department in the country that imparts high quality, need, based, value based and career based education with a strong research programme to produce self reliant competitive Pharmacy professionals.

MISSION OF DEPARTMENT

- To educate the graduate and under graduates in the field of pharmaceutical sciences.
- To fulfil the requirement of skilled human resources with focus on sustainable quality education, training and research of the students coming from all socioeconomic levels.
- To convert students into socially responsible and self reliant competent professionals, to bridge the gap between the physician and patient and to improve industry institution interaction.

PEOs AND PSOs



Program Educational Objectives:

1. To produce pharmacy graduates who are able to apply principles of pharmaceutical sciences utilizing modern tools and build their career in the field of pharmaceutical and allied sectors
2. To produce pharmacy Graduates who are able to demonstrate leadership skill, problem solving skill and strong communication skills, along with professional and ethical values.
3. To produce pharmacy graduates who are able to fulfil the needs of skilled human resources to serve the health care needs of the society.
4. To produce pharmacy graduates who will pursue higher studies and involve in research and development

Program Specific Outcomes:

1. Ability to apply principles and knowledge of Anatomy, Physiology, Pathophysiology, microbiology. pharmacology, food and nutraceuticals and cosmetics for good health of the society.
2. Ability to apply the knowledge of inorganic chemistry, biochemistry, medicinal chemistry, natural and herbal products and pharmacognostical principles for discovery and development of new drugs.
3. Understand the principles of biotechnology, biopharmaceutics, pharmaceutical engineering, and develop methodology for research work.



ABOUT THE DEPARTMENT

The Department of Pharmaceutical Technology at Meerut Institute of Engineering and Technology (MIET) has been established with the primary goal of becoming a “Center of Excellence” in pharmaceutical education and research. The department is dedicated to providing high-quality education, advanced skills, and professional training to aspiring pharmacists, preparing them to contribute effectively to the ever-evolving healthcare industry.

The pharmacy curriculum at MIET is designed to create an enriching and practical learning experience by integrating technology and healthcare systems. Students are trained in both theoretical knowledge and hands-on laboratory practices, enabling them to understand every stage of the drug development process—from discovery of new molecules to formulation, evaluation, production, and regulatory approval for human use.

With a multidisciplinary and research-oriented approach, the department has evolved into a vibrant hub for the Global Health Care sector. It emphasizes innovation, ethical practice, and industry exposure through seminars, industrial visits, and collaborative research activities.

The department offers the following programs:

- B. Pharm (100 seats)
- M. Pharm (Pharmaceutics – 15 seats)
- M. Pharm (Pharmacology – 15 seats)

Through a blend of academic excellence, modern infrastructure, and committed faculty, the Pharmacy Department at MIET strives to produce competent professionals who can lead advancements in pharmaceutical sciences and healthcare worldwide.

PLACEMENTS

Our Core Recruiters



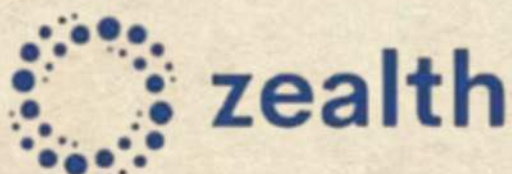
Top Placements



Sahil Kumar



5.5 LPA



4.20 LPA



Mukund kr. Yadav

No. of placed students in 2025: 49



*Student's
Initiatives
And
Startups*





Archit Verma



Shiv Kumar

CO-FOUNDERS

ECOCAPTOR



Kartik Chauhan



Salik Raja

CO-FOUNDERS



Urvashi Bhardwaj

CO-FOUNDER



Abhishek Singh

CO-FOUNDER



ACHIEVEMENTS OF FACULTY



GREEN THINKER NATIONAL BUILDER AWARD

MS. LALITA TYAGI



IBR ACHIEVER

MS. FALGUNI GOEL



Formulation Development

DR. ANURAG CHAUDHARY

DR. ALOK SHARMA

**TECHNOLOGY TRANSFER GRANT:
NUTRACEUTICAL BEVERAGE COMPOSITION**

DR. ANURAG CHAUDHARY

**APPRECIATION AWARD BY
GALGOTIA UNIVERSITY**

**DR. ANURAG CHAUDHARY
DR. SHOBHIT KUMAR
DR. NAZIA SIDDIQUI**

RESEARCH EXCELLENCE AWARDS

**MS. ANUSHKA SHARMA
MS. FALGUNI GOEL**

ACHIEVEMENTS OF STUDENTS

छात्र सागर गुप्ता इंडिया बुक ऑफ रिकॉर्ड से सम्मानित

● जनवाणी संवाददाता, मेरठ
वायु प्रदूषण जैसी वैश्विक चुनौती के समाधान के लिए मेरठ इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (एमआईटी) के बीफार्मा अंतिम वर्ष के छात्र सागर गुप्ता ने एक क्रांतिकारी और पूर्णतः सौर ऊर्जा से संचालित स्वचालित स्ट्रीट एयर प्यूरीफायर का विकास किया है। यह अभिनव उपकरण न केवल तकनीकी दृष्टि से उन्नत है, बल्कि इसे शहरी क्षेत्रों में बिजली के खंभों पर आसानी से स्थापित किया जा सकता है। उनके इस प्रयास को इंडिया बुक ऑफ रिकॉर्ड्स द्वारा अचीवर अवॉर्ड से सम्मानित किया गया है। छात्र सागर गुप्ता ने बताया कि वर्तमान में वायु प्रदूषण विश्व स्वास्थ्य के लिए एक गंभीर समस्या बन चुका है, जिससे हर वर्ष लगभग 65 लाख लोगों की मृत्यु हो जाती है। इस संकट से निपटने के लिए जहां पारंपरिक उपाय



अधिक संसाधनों की मांग करते हैं, वहीं यह नवाचार कम लागत में अत्यधिक प्रभावी और शहरी क्षेत्रों में व्यवहारिक समाधान प्रदान करता है। यह सोलर पावर ड्रिवन एयर प्यूरीफायर कोरोना चार्ज तकनीक पर आधारित है, जो वायु में मौजूद खतरनाक

2.5 माइक्रोन कणों को संग्रहित करता है। ये कण मानव स्वास्थ्य के लिए अत्यंत घातक होते हैं और श्वसन, हृदय रोगों से लेकर कैंसर तक का कारण बन सकते हैं। इस उपकरण की कार्यप्रणाली पूर्णतः स्वचालित है, जिसमें विशेष चार्जिंग व डिस्चार्जिंग प्लेट्स के

माध्यम से कणों को संग्रह कर खंभे के निचले भाग में स्थित एक संग्रह बॉक्स में स्थानांतरित किया जाता है।

इसके अतिरिक्त, इसमें एक दबाव संवेदक (प्रेसर सेंसर), आर्द्रता संवेदक और एक गुंबदाकार सौर पैनल शामिल है, जिससे इसकी ऊर्जा दक्षता और कार्यक्षमता उल्लेखनीय रूप से बढ़ जाती है। अपने नवाचार पर बोलते हुए सागर गुप्ता ने कहा कि मेरा उद्देश्य तकनीक के माध्यम से समाज की स्वास्थ्य संबंधी समस्याओं को कम करना है। यह वायु शुद्धिकरण प्रणाली शहरी क्षेत्रों में वायु गुणवत्ता को बेहतर बनाने में अहम भूमिका निभा सकती है। इस उपलब्धि पर एमआईटी के चेयरमैन विष्णु शरण, वाइस चेयरमैन पुनीत अग्रवाल, निदेशक डॉ. एसके सिंह, प्रिंसिपल डॉ. विपिन गर्ग एवं मीडिया हेड अजय चौधरी ने सागर गुप्ता को बधाई दी।

Sagar Gupta shines in the India Book of Records for innovating a Street Air Purifier, turning roads into breaths of fresh air!



Aradhana Mishra and Shubham Mehta with MIET kho-kho team clinches 1st place in AKTU Zonal Sports, dominating the Kho-Kho field with skill and speed!



Our toppers and rank holders shine bright, turning dedication into outstanding success!

**TOPPERS OF 4TH YEAR
(BATCH: 2021-2025)**

1st Prachi
2nd Prerna

**TOPPERS OF 3RD YEAR
(BATCH: 2022-2026)**

1st Roshni
2nd Nikita Aggarwal
3rd Pratiksha Dobriyal

**TOPPERS OF 2ND YEAR
(BATCH: 2023-2027)**

1st Vanshika
2nd Tripti
3rd Himanshu Yadav

**TOPPERS OF 1ST SEMESTER
(BATCH: 2024-2028)**

1st Abhinav Mittal
2nd Aditya Sharma
3rd Swati Saroj

RESEARCH PUBLICATIONS AND PATENTS OF FACULTY

1. Meerut Institute Of Engineering And technology, Dr. Nazia Siddiqui, Dr. Alok Sharma, Dr. Anurag

TOPIC: SMART WRIST BAND FOR DEMENTIA PATIENTS

Design Patent

2. Dr Vrish Dhvaj Ashwlayan

TOPIC: ANTI-ULCER POTENTIAL OF HYDRO-ETHANOLIC FLOWER EXTRACT AND LEAVES OIL OF TAGETES ERECTA

Certificate of Registration

3. Meerut Institute Of Engineering & Technology, Meerut, Dr. Divya Chaudhary,

Dr. Anurag Chaudhary

TOPIC: DEVICE FOR PREGNANCY DETECTION THROUGH SALIVA

Design Patent

4. Meerut Institute Of Engineering And Technology, Dr. Alok Sharma, Vipin Kumar Garg

TOPIC: SOXHLET EXTRACTION APPARATUS

Design Patent

5. Meerut Institute Of Engineering And Technology, Prawal Kumar Gupta, Vipin Kumar Garg, Ankit Chaudhary, Falguni Goel

TOPIC: APPARATUS TO HOLD ZEBRAFISH BRAIN SAMPLES

Design Patent

6. Meerut Institute of Engineering And Technology, Aditi Singhal, Nilay Kumar Nandi, Mansi Verma, Pooja Yadav

TOPIC: MACERATION DEVICE FOR MAKING HERBAL EXTRACTS

Design Patent

7. Meerut Institute of Engineering And Technology, Ms. Lalita Tyagi, Dr. Alok Sharma, Dr. Anita Singh, Dr. Vibhu Sahani

TOPIC: VIBRATORY DRYER AND SIEVE SHAKER

Design Patent

8. Meerut Institute of Engineering And Technology, Ms. Prachi Singhal, Dr. Alok Sharma, Chandrababu Rejeeth, Dr. Anurag, Dr. Vipin K. Parihar

TOPIC: HEALTH MONITORING DIGITAL SPOON

Design Patent

9. Meerut Institute of Engineering And Technology, Prawal Kumar Gupta, Vipin Kumar Garg, Ankit Chaudhary, Falguni Goel

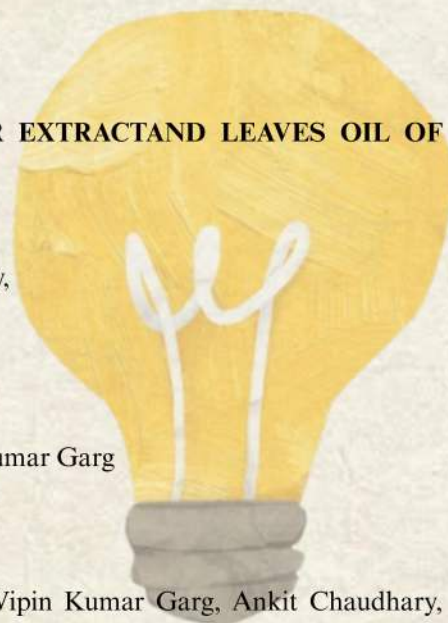
TOPIC: HISTOPATHOLOGICAL CASSETTES FOR ZEBRAFISH

Design Patent

10. Meerut Institute of Engineering And Technology, Falguni Goel

TOPIC: HAIR CLIPPER FOR RODENTS

Design Patent



11. Meerut Institute of Engineering And Technology, Falguni Goel

TOPIC: ZEBRAFISH BEHAVIOURAL EXPLORATION AND RECOGNITION APPARATUS

Design Patent

12. Falguni Goel

TOPIC: ELECTRO CONVULSIOMETER RING FOR RODENTS

Design Patent

13. Meerut Institute of Engineering And Technology, Akansha, Falguni Goel

TOPIC: SOCIAL INTERACTION TEST APPARATUS FOR ZEBRA FISH

Design Patent

14. Meerut Institute of Engineering and Technology, Anurag Aeron, Alok Sharma

TOPIC: AI-POWERED AIR QUALITY MONITOR WITH INTEGRATED OXYGEN CONCENTRATOR

Design Patent

15. Meerut Institute of Engineering and Technology, Prachi Singhal, Alok Sharma, Nidhi Chaudhary, Avinash Singh

TOPIC: GLASSWARE CLEANING AND AUTOCLAVING DEVICE

Design Patent

16. Meerut Institute of Engineering and Technology, Prachi Singhal, Alok Sharma, Nidhi Chaudhary, Avinash Singh

TOPIC: GLASSWARE CLEANING AND AUTOCLAVING DEVICE

Design Patent

17. Meerut Institute of Engineering and Technology, Avinash Singh, Alok Sharma, Ashima Kathuria, Gourav Mishra

TOPIC: HONEY BEES TRAP BOX

Design Patent

19. Meerut Institute of Engineering and Technology, Prachi Singhal, Alok Sharma

TOPIC: PORTABLE WASTEWATER ANALYZER

Design Patent

20. Meerut Institute of Engineering and Technology, Farha Farooq, Nazia Siddiqui, Alok Sharma, Anurag, Alimuddin Saifi, Mohd. Talib

TOPIC: EQUIPMENT FOR CERVICAL DISLOCATION IN RODENTS

Design patent

PATENTS OF STUDENTS

1. Meerut Institute Of Engineering And Technology, Adil Ali ,Dr. Alok Sharma, Dr. Nazia Siddiqui, Dr. Anurag, Dr. Alimuddin Saifi, Mr. Ankit Chaudhary, Dr. Vibhu Sahani

TOPIC: DEVICE FOR INDUCING ANXIETY IN RODENTS BY VIBRATIONS

Design Patent

2. Meerut Institute Of Engineering and Technology, Meerut Ishrat Jahan, Dr. Alok Sharma, Dr. Nazia Siddiqui, Dr. Anurag, Dr. Alimuddin Saifi, Ankit Chaudhary

TOPIC: SWIMMING TEST APPARATUS FOR RODENTS

Design Patent

3. Meerut Institute Of Engineering And Technology, Ishrat Jahan, Khushi Goel, Dr. Alok Sharma, Dr. Nazia Siddiqui, Dr. Anurag, Dr. Alimuddin Saifi, Kartik Sharma, Vishi Khattri, Ankit Chaudhary

TOPIC: PHARMACEUTICAL SAMPLE EXTRACTION MACHINE

Design Patent

4. Meerut Institute Of Engineering And Technology, Meerut, Sharhad Jahan, Dr. Alok Sharma, Dr. Nazia Siddiqui, Dr. Anurag, Ms. Garima Agarwal

TOPIC: APPARATUS FOR INDUCING ANXIETY AND DEPRESSION IN RODENTS

Design Patent

5. Meerut Institute Of Engineering And Technology, Nitin Singh Sagar, Dr. Alok Sharma, Dr. Anurag, Dr. Nazia Siddiqui, Sagar Gupta

TOPIC: MOLD DISPENSER DEVICE

Design Patent

6. Meerut Institute Of Engineering And Technology, Farha Farooq, Dr. Nazia Siddiqui, Dr. Alok Sharma, Dr. Anurag, Dr. Alimuddin Saifi, Mohd. Talib

TOPIC: EQUIPMENT FOR CERVICAL DISLOCATION IN EXPERIMENTAL ANIMALS

Design Patent

7. Meerut Institute of Engineering And Technology, Arpit Gupta, Priya Dwivedi, Aditi Singhal, Vipin Kumar Garg

TOPIC: NUTRACEUTICAL HERBAL POWDER FORMULATION FOR STRESS MANAGEMENT

Utility Patent

8. Meerut Institute of Engineering And Technology, fareed khan, Adnan, Aditi Singhal

TOPIC: TRANSDERMAL PATCHES CONTAINING NSAIDS DRUGS

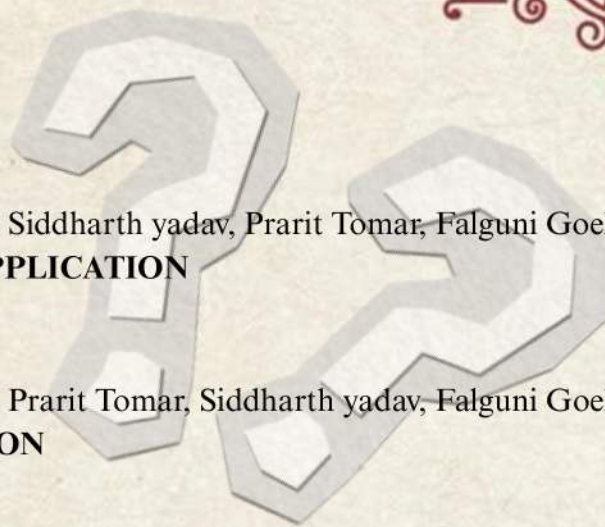
Design Patent

9. Meerut Institute of Engineering and Technology, Nilay Kumar Nandi, Pooja Yadav, Gaurav Saini, Aradhana Mishra

TOPIC: PORTABLE PHOTOCATALYTIC DEGRADATION APPARATUS FOR WASTEWATER TREATMENT

Design Patent





10. Meerut Institute of Engineering And Technology, Siddharth yadav, Prarit Tomar, Falguni Goel

TOPIC: AI-DRIVEN HEALTH MONITORING APPLICATION

Utility Patent

11. Meerut Institute of Engineering And Technology, Prarit Tomar, Siddharth yadav, Falguni Goel

TOPIC: AI-DRIVEN HEALTHCARE APPLICATION

Utility Patent

12. Meerut Institute of Engineering And Technology, Deepak Yadav, Himanshu Yadav Falguni Goel

Topic: MEDICINE REMINDER BOX

Design Patent

13. Meerut Institute of Engineering And Technology, Vanshika, Tushar, Ms. Archana Adhana

TOPIC: SMART BASKET FOR PREVENTION OF FRUITS SPOILAGE

Design Patent

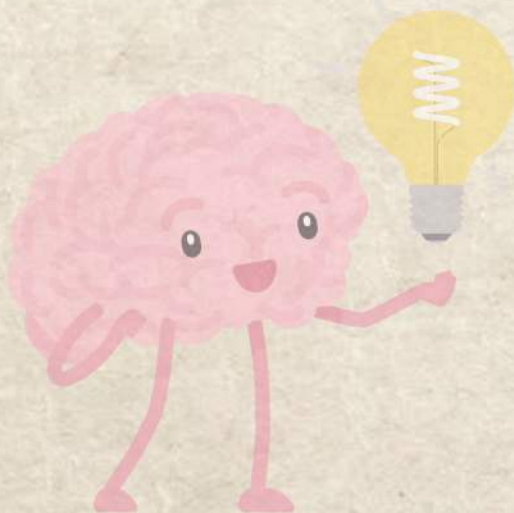
PUBLICATIONS

TOTAL PAPERS PUBLISHED IN 2024-25:

58

TOTAL PATENTS GRANTED IN 2024-25:

17



Woolen Factory

Sed liberos esse, censeat et interdu-
cat, potest vel quare. Arctura scilicet
vult esse, ut ante cunctos qui
per bellumque vivat. Nam tota
indulgentia, dum in mari, impo-
nunt. In est pariter, in cunctis ad



SEMINAR AND WORKSHOPS AND GUEST LECTURES

- A lecture was delivered on Pharmacy startups by Ms. Vanshika Yadav, Assistant manager, MIET Meerut on the occasion of National Pharmacy education day on 6th March 2025
 - A lecture was delivered by Dr. Shivi khattri, Associate Professor, Department of Periodontology, Subharti Dental College and Swami Vivekanand Subharti University, Meerut on the occasion of International day on women and girls in science on 11th February 2025
 - Department of Pharmaceutical Technology, MIET Meerut, Hosts Guest Lecture on World Cancer Day by Dr. Quaisul Hoda, Professor at Department of Pharmacy, MIT Meerut to raise awareness about cancer prevention, early detection, and treatment on 4th february 2025
 - A lecture was delivered on World Heart Day by Mr. Angesh kumar, associate professor at department of pharmaceutical technology, MIET Meerut on 29th September 2024
 - Successful Conduction of Soap Making Workshop at MIET on 30th September 2024
- 
- 

INVITES YOU FOR A SEMINAR ON
International Day of Women and Girls in Science

FEBRUARY 11



SPEAKER

Dr. Shivi Khattri
Associate Professor
Department of Periodontology
Subharti Dental College and
Hospital Swami Vivekanand
Subharti University Meerut



CONVENOR

Dr. Vipin Kumar Garg
Principal and Professor
Pharmacology
Department of
Pharmaceutical Technology,
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Uttar Pradesh (India)



A vintage microphone with a gold-colored grille and a wooden base is positioned on the right side of the image. The background is a textured teal color. Overlaid on the background are three torn paper-like shapes: a dark brown rectangle at the top left containing the word 'Events', a light blue rectangle in the center containing a red ampersand, and a dark brown rectangle at the bottom left containing the words 'Extracurricular activities'.

Events

&

*Extracurricular
activities*

GLIMPSE OF MEERUT MAHOTSAV



मेरठ महोत्सव 2024 : नवाचार और स्टार्टअप के क्षेत्र में युवाओं का उत्साह

युवाओं का उत्साह

मेरठ। मेरठ महोत्सव 2024 का शुभारंभ उत्साह और उत्साह के साथ हुआ, जहाँ युवा प्रौद्योगिकी के अपने स्टार्टअप विचारों को अंजाम देने का सपना निभा। स्टार्टअप के पहले दिन कई रोचक और व्यावहारिक कार्यशालाएं आयोजित की गईं। जिनका उद्देश्य नवाचार और कौशल विकास को बढ़ावा देना था।



एक स्टार्टअप के प्रचारार्थ विचार ने इस अवसर पर छाया और प्रतियोगिता के लिए विशेष कार्यक्रमों का आयोजन किया। इनमें शामिल थे, शिप बनाम विमान, जहाँ विमान उड़ान की जानकारी और शिप की जानकारी को बताना था। इनमें शामिल थे, शिप बनाम विमान, जहाँ विमान उड़ान की जानकारी और शिप की जानकारी को बताना था।





NATURE'S WORKSHOP

At the 2024 Meerut Mahotsav, the "Nature's Workshop" segment offered attendees an immersive experience in natural wellness practices. The workshop showcased the traditional methods of crafting herbal-infused wines and included a session on making nourishing herbal lip balms. These activities highlighted sustainable living and the benefits of natural products in daily life.



AARYOGYAM

Aaryogyam at the Meerut Mahotsav showcased a vibrant health and wellness initiative, promoting preventive care and holistic living. Visitors enjoyed health check-ups, fitness demonstrations, and informative sessions on nutrition and mental well-being. The event emphasized community health awareness, inspiring participants to adopt healthier lifestyles and prioritize overall wellness.



BHARAT SHIKSHA EXPO

CONFERENCE • EXHIBITION • NETWORKING

Inspiring Learning, Shaping Tomorrow

2025



NATURE'S WORKSHOP

NATURE'S WORKSHOP BROUGHT CREATIVITY AND SUSTAINABILITY TOGETHER, GUIDING PARTICIPANTS TO CRAFT SOAPS, LIP BALMS, AND FACE MASKS USING NATURAL INGREDIENTS. THE HANDS-ON EXPERIENCE CELEBRATED PURITY, WELLNESS, AND ECO-FRIENDLY LIVING. EACH CREATION REFLECTED THE ESSENCE OF NATURE, PROVING THAT TRUE BEAUTY IS BEST NURTURED THE NATURAL WAY.





ARYOGYAM & IMPURITY TESTS

ĀROGYAM BLENDED WELLNESS WITH LEARNING, WHERE PARTICIPANTS EXPLORED NATURAL SOAP, LIP BALM, AND FACE MASK MAKING. ALONGSIDE CREATIVITY, THEY LEARNED TO DETECT IMPURITIES USING SIMPLE CHEMICAL TESTS, HIGHLIGHTING THE BALANCE OF NATURE AND SCIENCE. THE SESSION INSPIRED SUSTAINABLE SELF-CARE ROOTED IN PURITY AND AWARENESS.



PRE-QUALIFIERS FOR BHARAT SHIKSHA EXPO





KOLAHAL

THE MUTINY CONTINUES



STAR NIGHT
featuring Jassi Gill
&
Babbal Rai





**OUR PHARMA
STUDENTS
SHINING WITH
ZEAL AND SPIRIT
DURING THE
KOLAAHAL
EVENT.**



DANDIYA NIGHT



RANGOTSAV



PHARMACISTS DAY

Pharmacist Day was celebrated with enthusiasm, highlighting the vital role of pharmacists in healthcare. The event featured engaging activities, cultural performances, and interactive sessions, reflecting the dedication, knowledge, and spirit of our pharmacy students in promoting health and well-being.



COLORS OF CREATIVITY (RANGOLI MOMENTS)



EXPRESSIONS OF TALENT, ENERGY, AND CELEBRATION





CELEBRATING PHARMACISTS WITH INFORMATIVE POSTERS, EXCITING QUIZZES, INNOVATION, AND FUN!



A GLIMPSE OF SOME MEMORABLE EVENTS



TEACHERS DAY

TUG OF WAR



FRESHERS FIESTA



INDUSTRIAL VISIT



ABOUT THE VISIT

An industrial visit to Hamdard Laboratories, Ghaziabad, was organized for the Pre-final and final year B. Pharm students. The visit offered a comprehensive exposure to the pharmaceutical industry, where students observed the production line, packaging line, and gained practical understanding of QA and QC laboratories. This enriching experience helped them connect theoretical knowledge with industrial applications. Interacting with professionals and witnessing large-scale operations inspired students to broaden their perspective, preparing them for future challenges in the pharmaceutical sector.

At the heart of Pharma



INDIA EXPO CENTRE &

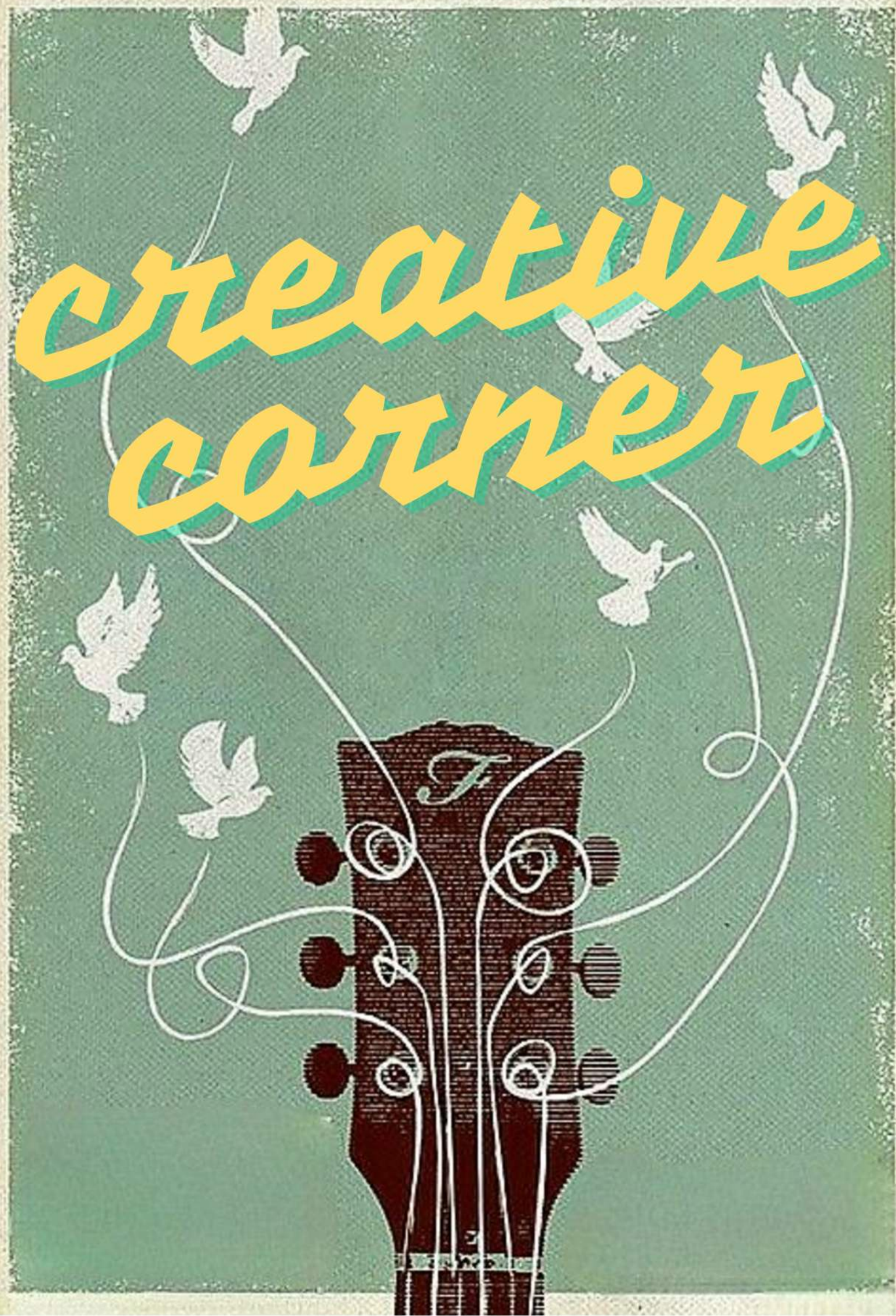


ABOUT THE VISIT

Students visited the CPHI Noida Expo, a leading platform showcasing pharmaceutical innovations, manufacturing, and packaging technologies. The event offered valuable exposure to global industry trends, professional interactions, and cutting-edge equipment, enriching their knowledge and connecting classroom learning with real-world advancements.



creative corner





Kratika Sharma
2nd Year



Pratiksha Dobriyal
3rd Year



Paridhi Gupta
3rd Year



VAISHNAVI
3RD Year



VANSHIKA
3RD Year





Nitin Grewal
2nd Year



Aditya Sharma
1st Year



THE EXCELLENCE OF HAPPINESS

According to Eric Greitens, there are three main types of happiness: the happiness of pleasure, the happiness of grace, and the happiness of excellence. He likens them to primary colors, which form the foundation for the entire spectrum of happiness. The happiness of pleasure is mostly sensory. It's the feeling you get from a good meal when you're hungry, the scent of the air after it rains, or waking up warm and cozy in your bed. The happiness of grace is all about gratitude. It's the feeling of looking over to see the love of your life sleeping next to you and whispering, "thank you." It involves taking stock of what you have. It's the feeling you get when you speak to something bigger than yourself, expressing humility and awe. Then there is the happiness of excellence. This kind of happiness comes from the pursuit of something great. It's not about the moment you reach the top of a mountain and raise your fists in victory. It's the process of falling in love with the climb itself. It is meaningful work. It flows. It is the purpose that shapes who you are and builds your character and energy toward something greater than the constant pursuit of fleeting desires. Just as removing one of the primary colors makes many other colors impossible (without yellow, you can't have green), without one of these forms of happiness, it's nearly impossible to thrive. You can't substitute one for another. They are all necessary. But we still try to. Drinking in excess, for example, is a common pursuit of the happiness of pleasure, but it isn't and will never be the answer. "Lots and lots of red will never make blue. Pleasures won't ever make you whole."

The happiness of excellence is the result of emotional resilience. It's the highest form of happiness on Maslow's hierarchy. It is measured, intentional, and consistent. It's often avoided because the discomfort is real and the reward isn't immediate. There's no "contact high" during the initial days of marathon training when your lungs are burning and you feel sick. Over time, you begin to imagine what you could achieve. You fall in love with the process. While all three types of happiness are distinct, they are all shaped by context. Someone who's gone without food for three days is more in tune with the happiness of pleasure than people who consider meals and shelter a given. Similarly, those who have never experienced the power and joy of working toward something are driven not by the sparks of passion, but by the embers of a sober, consistent resolve, unaware of the profound reward on the other side of sustained effort. Many of us are blind to the joys and complexities of our lives because we're missing a part of the foundation. We want to be authors but lack the desire to embrace the discipline required to sit down and write for four hours a day, every day. We aspire to be legends and geniuses and masters, but we have little desire to put in the disciplined 10,000 hours it would take to get there. Happiness isn't just about what can astound our senses, but also the peace that comes from becoming who we want and need to be. That's what we receive from pursuing the happiness of excellence: not accomplishment, but a sense of self that we carry into everything else in our lives. It's a technicolor pigment that makes the entire spectrum come alive.

DHRUVI TOMAR
1ST YEAR

WHO ARE PHARMACISTS ?

In white coat bright, with books in hand, A pharmacy student takes a stand.
From early dawn to setting sun, The path of knowledge must be won.

Formulas, pills, and compounds blend, Each reaction has no end.
Microscopes and lab reports, Balancing science, learning the sorts.

Herbs and chemicals, side by side, Ancient wisdom, modern guide. Patient
care, a noble art, Healing minds and every heart.

Through sleepless nights and exams' test, Determined spirit shows its best.
With passion deep and goals in sight, They study hard, they strive for right.

One day they'll serve with skill and grace, A pharmacist, in every place.
Dispensing hope in every dose, A guardian where health matters most.

Rashi Chaudhary
2nd Year

WHY WE CALL PHARMACIST ?

We are the silent healers,
Not with stethoscopes, but with knowledge sealed in vials.

Every formula whispers a story of hope, Every prescription holds the power
of trust.

A pharmacist doesn't just hand over medicine,
They hand over faith,
Measured carefully in milligrams of care, And wrapped gently in the art of
science.

Rashi Goel
2nd Year

“BHAGWAAN”

Kya Bhagwan sach mein hote hain?
Hote hain to kahan hote hain?
Ye sab soch hi raha tha ki achanak ek awaaz aayi...
“Ab dhoondh raha hai tu mujhe
in pathar ki moorat mein.
Aankhein khol kar dekh,
main baitha hoon tere ghar ki chaar deewaron
mein.

Main hi hoon jisne tujhe bolna sikhaya,
main hi hoon jisne tujhe hasna sikhaya,
main hi hoon jisne tujhe samajhna samjhaya,
main hi hoon jo tujhe duniya mein laya.

Aankhein khol kar dekh,
tu mujhse hi to ghira hua hai.
Dekh school-college mein,
vesh badal kar ek adhyapak rehta hain,
woh main hi to hoon jo sabko gyaan deta hoon.

Main rehta hoon kahin tere hi andar,
aur tu dhoondh raha hai mujhe ek pathar ke andar.

Tu maane to yeh hawa bhi main hoon,
tu maane to yeh jal bhi main hoon.
Aur tu kossh raha apne ghar ki chaukhat par,
khade jis bhikhari ko,
woh bhikhari bhi main hoon.

Aankhein khol kar dekh,
tu mujhse hi to ghira hua hai.
Aankhein khol kar dekh,
tu mujhse hi to bana hua hai.”

Sachin Kr. Saini
3rd Year

THE HEALERS IN WHITE COATS

In vials and tablets, a story begins, Of healing hearts and curing sins. From plants to labs, the journey flows, Where knowledge deep and endless grows.

A measure of science, a drop of care, A promise of hope is hidden there. Behind each drug, a mission true, To guard the world and lives renew.

Pharma minds, so sharp, so bright, Turn darkness into rays of light. With every formula, test, and trial, They craft a future free of ail.

So here's to students, bold and wise, With passion shining in their eyes. The world awaits your noble part, To serve with science and with heart.

***Akshu
2nd Year***

THE RHYTHM OF PHARMACY

In bottles and boxes, the secrets reside, A world full of healing, with science as guide. Each tablet, each drop, a story begins, Of battles with sickness, of victories wins.

The pharmacist's hands are steady and true, Measuring doses, protecting you too.

With wisdom they guide, with kindness they care, A guardian of health who's always there. From ancient roots to discoveries new, Pharmacy's journey is noblnd true.

Not just a dispenser, but teacher, and friend, Ensuring our safety from start to the end. Medicines cure, but it's care that appeals, Pharmacy shows us that science can heal.

With trust as their armor, with knowledge their art, A pharmacist works with a passionate heart.

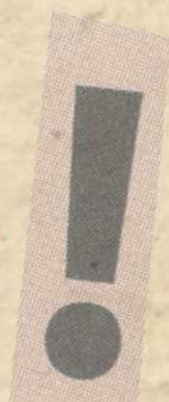
***Kanika Gupta
2nd Year***



LEARNING
BEYOND

the

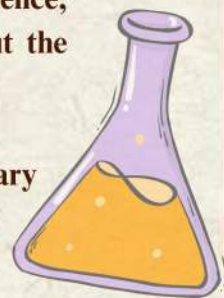
TEXTbooks



Role of Chemistry in Pharmacy

Chemistry is the backbone of pharmacy. Every medicine we use today begins with a chemical idea understanding atoms, bonds, and reactions. For pharmacists, chemistry is not just formulas on paper but a language that explains how drugs work inside the body. It tells us why aspirin reduces pain, how antibiotics fight infection, or why some drugs interact. Organic chemistry helps in designing molecules, analytical chemistry ensures purity, and physical chemistry explains stability. Even natural products from plants are studied through chemistry to extract active compounds. In short, without chemistry, pharmacy would not exist. It bridges science and health by turning molecules into medicines. For students, understanding chemistry develops problem-solving and sharpens logical thinking. As pharmacy advances with biotechnology and nanoscience, the role of chemistry continues to grow proving that it is not just a subject, but the foundation of modern healthcare.

Dr. Anurag Chaudhary



Cancer Treatments through Herbal Medicine

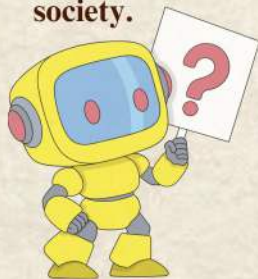
Cancer is one of the most feared diseases, and modern treatments like chemotherapy, though effective, often bring severe side effects. Interestingly, many herbal plants offer promising alternatives or supportive therapies. Nature provides compounds with anticancer potential—like Taxol from the Pacific yew tree, which is widely used in chemotherapy. Turmeric, with its active compound curcumin, is studied for its ability to slow tumor growth. Similarly, green tea, garlic, and ginger show antioxidant and immune-boosting properties that may reduce cancer risk. Herbal treatments may not replace modern therapy, but they can complement it, improving quality of life and reducing toxic effects. The challenge lies in scientific validation, proper dosage, and safety assurance. As research expands, herbal medicines may become valuable allies in cancer management, offering gentler, more holistic approaches. Thus, blending ancient wisdom with modern science could pave the way for better, balanced cancer care.

Dr. Alimuddin Saifi



Role of AI in Pharmacy

Artificial Intelligence (AI) is transforming pharmacy in ways once unimaginable. Instead of spending years to develop a drug, AI can now analyze massive data and suggest potential molecules within months. It predicts drug interactions, optimizes clinical trials, and even personalizes medicines based on genetic profiles. In pharmacies, AI-powered systems improve inventory management, reducing drug shortages. For patients, chatbots and virtual assistants help answer queries and remind them about medicines. AI also plays a role in disease prediction, ensuring earlier diagnosis and better treatment outcomes. However, human expertise remains essential to guide ethical decisions and patient care. AI is not a replacement for pharmacists but a powerful partner, saving time and enhancing accuracy. As pharmacy education embraces technology, future pharmacists must be ready to work hand in hand with AI—blending scientific knowledge with digital intelligence for the benefit of society.



Ms. Falguni Goel

Alzheimer's Disease

Alzheimer's disease is a progressive brain disorder that slowly robs people of memory, thinking, and independence. It is the most common cause of dementia, mostly affecting older adults. Early signs include forgetfulness, confusion with time or place, and difficulty completing familiar tasks. As the disease advances, patients may lose the ability to recognize loved ones or perform daily activities. Though the exact cause is not fully understood, abnormal protein deposits like amyloid plaques and tau tangles are strongly linked. Currently, treatments only manage symptoms, not cure the disease. Drugs such as donepezil help improve memory for a while, but the search for more effective therapies continues. Lifestyle factors like exercise, healthy diet, and mental activity may delay onset. Research into stem cells, gene therapy, and new drugs gives hope. Alzheimer's reminds us of the importance of patience, empathy, and ongoing scientific discovery.

Dr. Vrish Dhvaj Ashwlayan



Rational Use of Medicines and

Role of Pharmacists

Medicines are vital for treating illness, but their benefits are realized only when used rationally. Rational use means prescribing the right medicine, in the correct dose, for the right duration, to the right patient, at the lowest possible cost. Unfortunately, irrational practices such as self-medication, overuse of antibiotics, or taking incomplete doses are common. These not only waste resources but also cause harmful effects like antimicrobial resistance, treatment failure, and increased healthcare costs. Pharmacists play a key role in promoting rational use of medicines. They carefully review prescriptions, ensure drug safety, and counsel patients about proper dosage and side effects. By spreading awareness, pharmacists help reduce misuse and encourage adherence to therapy. They also advocate the use of affordable generic medicines, making healthcare more accessible.

Thus, pharmacists are not just medicine dispensers but essential healthcare professionals who guide society toward safe, effective, and responsible medicine use.

Ms. Archana Adhana



Laws in Pharmacy

Pharmacy is a science of medicines, but it is also guided by strict laws that protect patients and ensure public safety. Laws in pharmacy regulate every step from drug discovery to manufacturing, labeling, storage, distribution, and dispensing. In India, the Drugs and Cosmetics Act (1940) ensures the quality, safety, and efficacy of medicines. The Pharmacy Act (1948) establishes professional standards, while the Narcotic Drugs and Psychotropic Substances Act (1985) prevents misuse of addictive substances. These laws also monitor clinical trials, patents, and sale of over-the-counter versus prescription drugs.

For pharmacists, knowledge of these laws is essential, as they serve as guardians of public health. By following regulations, they prevent counterfeit medicines, avoid irrational use, and ensure ethical practice. Laws in pharmacy are not hurdles; they are safeguards that transform medicines into trusted therapy. They uphold the dignity of the profession and protect patients at every step.



Dr. Ankit Kumar

EDITORIAL NOTE

Dear Readers,

We are delighted to present the latest edition of our Pharma Magazine, a platform where science, innovation, and curiosity come together. The field of pharmacy is ever-evolving, and with each advancement, it brings us closer to improving patient care, strengthening healthcare systems, and shaping a healthier tomorrow.

In this issue, we have carefully curated articles, research highlights, interviews, and perspectives that reflect the diversity and depth of pharmaceutical sciences. From cutting-edge drug development to the integration of technology in healthcare, we strive to bring you content that informs, inspires, and initiates meaningful conversations.

As editors, our vision is to create a magazine that not only shares knowledge but also sparks new ideas among students, researchers, and professionals. We believe that the future of pharmacy depends on collaboration, innovation, and the passion of those who dedicate themselves to this noble field.

We sincerely thank our contributors and readers for their continuous support and encouragement. Your engagement motivates us to keep raising the bar with every edition.

Happy Reading!

**Warm regards,
Editors**

ACKNOWLEDGEMENT

It gives us immense pleasure to present this edition of the Pharmaceutical Technology Department Magazine. As editors, we sincerely express our gratitude to all those who have contributed to the successful creation of this publication.

First and foremost, we extend our heartfelt thanks to our respected Principal and the college management for their constant encouragement, support, and guidance. Their vision and motivation have always inspired us to strive for excellence. We are deeply grateful to our Head of Department, whose continuous support, insightful suggestions, and valuable guidance have been instrumental in shaping the content and overall quality of this magazine.

We would also like to express our appreciation to the faculty members of the Pharmaceutical Technology Department. Their expertise, constructive feedback, and encouragement have enriched our magazine, ensuring that it reflects both academic rigor and creative expression.

Our special thanks go to all the students who contributed articles, research updates, illustrations, and ideas. Your creativity, dedication, and enthusiasm have made this magazine lively, informative, and engaging.

Finally, we acknowledge everyone who supported us behind the scenes from technical assistance to moral encouragement. This magazine is a testament to teamwork, collaboration, and shared passion for pharmaceutical education. It is our hope that it will inspire readers and reflect the spirit of our department.

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY



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