

The Nest

A Student Council Presentation 2023-2024

PHARMACOGENOMICS



MET

Bhujbal Knowledge City

MET INSTITUTE OF PHARMACY (DEGREE)



Mahatma Jyotiba Phule
(1827-1890)



Shrimati Savitribai Phule
(1831-1897)

विद्येविना मती गेली मतीविना नीती गेली ।
नीतीविना गती गेली । गतीविना वित्त गेले ॥
वित्ताविना शुद्र खचले । इतके अनर्थ एका अविद्येने केले ॥
- महात्मा ज्योतिबा फुले

Lack of knowledge leads to indiscretion;
Indiscretion leads to lack of ethics.
Lack of ethics leads to absence of direction and momentum;
Absence of direction and momentum result in bankruptcy.
Such is the havoc caused by the lack of knowledge.

- Mahatma Jyotiba Phule

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Our Faith

न चौर हार्यम् नच राज हार्यम् ।
न भातृभाज्यम् नच भारकारी ।।
व्यये कृते वर्धते एव नित्यम् ।
विद्याधनं सर्वधन प्रधानम् ।।

Knowledge can neither be stolen by a thief,
nor snatched by a king.
It is indivisible unlike ancestral property,
it never burdens the bearer,
it multiplies manifold when offered to others.
Knowledge is the supreme form of wealth.

Our Vision

MET Institute of Pharmacy has a vision to be recognized as one of the leading institute of pharmacy education in the nation and envisages to produce world class pharmacists who are equipped to cater to the present and future needs of the profession and society at large.

Our Mission

MET Institute of Pharmacy aims to achieve its vision by:

1. Imparting quality education and training the students in the field of pharmaceutical sciences through competent staff and supporting infrastructure.
2. Working towards the all-round development of the students.
3. Enabling students to make ethical and valuable contributions in diverse facets of pharmacy and social welfare, thus improving the quality of life.

Mumbai Educational Trust



Mumbai Educational Trust (MET) is a conglomerate of premiere educational institutions, driven by a single-minded focus on imparting quality education, to make students sharp. Training is imparted round-the-clock, seven days a week. Projects and assignments are given utmost importance and students learn on the job. Application-oriented knowledge, garnered in the lecture halls, is applied to industry assignments. The faculty spares no effort to make the students razor sharp, so that they make their mark in the corporate world. No effort has been spared, to create an environment that encourages students, to push the limits of their minds. All this, to help young professionals face the challenges of life. And make their mark in the corporate world.

Bhujbal Knowledge City, Mumbai

- Institute of Management
- Institute of Post Graduate Diploma in Management
- Institute of Mass Media
- Asian Management Development Centre
- Centre for Insurance Training, Research & Development
- Institute of Pharmacy
- Institute of Information Technology
- Institute of Software Development and Research
- Institute of Computer Science
- Institute of International Studies
- Rishikul Vidyalaya

Bhujbal Knowledge City, Adgaon, Nashik

- Institute of Management
- Institute of Pharmacy
- Institute of D. Pharmacy
- Institute of Technology (Polytechnic)
- Institute of Information Technology
- Institute of Engineering
- Bhujbal Academy of Science & Commerce (Jr College)
- Meena Bhujbal School of Excellence (CBSE Board)

Bhujbal Knowledge City, Gowardhan, Nashik

- School of Architecture and Interior Design

At MET, over four thousands students and faculty are involved in delivering unique learning systems, through ultra modern infrastructure and academic rigour. MET Institutes are ISO certified, with affiliations to the University of Mumbai, Savitribai Phule Pune University, Directorate of Technical Education, All India Council of Technical Education, MSBTE, Pharmacy Council of India, C-DAC - Ministry of Communications and Information Technology, The Chartered Insurance Institute (CII), London.

MET also has strategic institutional collaborations with the NCC Education, UK, Manhattan Institute of Management, New York, EAE Business School, Spain, Business & Hotel Management School, Switzerland, Robert Gordon University, York St. John University, SetCONNECT, USA, TCS iON and many others bodies of International repute.

MET Institute of Pharmacy

The MET Institute of Pharmacy (MET IOP) was established in the year 1993 with the two-year Diploma programme in Pharmacy (D.Pharm.) recognised by the Directorate of Technical Education. The four-year Bachelor's programme in Pharmacy (B.Pharm.) affiliated to the University of Mumbai was started in the year 1994. The MET IOP is approved by the Pharmacy Council of India, New Delhi AICTE, New Delhi, and accredited by NBA.

The Institute pursues the philosophy of perpetual acquisition of knowledge. Apart from academic curriculum, our policy has been to provide value based education and to expose the hidden potential of the students. Our students have free access to the computer facilities and are provided with LCD projector in the class room for their seminar presentation. Our aim is not to make the students mere job-seekers but to make them the architects of their future.

The Institute provides a quasi-corporate ambience for the students. MET has state-of-the-art classrooms, a well-stocked dedicated pharmacy library and fully loaded pharma laboratories. A hi-tech convention centre for seminars and workshops. Recreation areas to unwind. No efforts have been spared to create an environment that encourages students to push the limits of their minds.

Continual exposure to the recent developments in the world of pharmacy through industry interaction programmes keep students at the cutting pharma edge. Unique pedagogy makes them so sharp that they have been consistently making a mark at the University of Mumbai.

Over the years, several distinction holders and University toppers have graduated from our institute. Our students not only excel in academics but they have been champions at various cultural and sports competitions. The average result each year is above 90%. Our alumni are making us proud all over the globe by being leaders in their choice of vocation.

Vision and Mission

- Vision: MET Institute of Pharmacy has a vision to be recognized as one of the leading institute of pharmacy education in the nation and envisages to produce world class pharmacists who are equipped to cater to the present and future needs of the profession and society at large.
- Mission: MET Institute of Pharmacy aims to achieve its vision by:
 1. Imparting quality education and training the students in the field of pharmaceutical sciences through competent staff and supporting infrastructure.
 2. Working towards the all-round development of the students.
 3. Enabling students to make ethical and valuable contributions in diverse facets of pharmacy and social welfare, thus improving the quality of life.

PEOs: Program Educational Objectives

PEO1: To equip our graduates with sound knowledge in the field of Pharmaceutical Sciences making them technically competent in areas of Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy and Pharmacology.

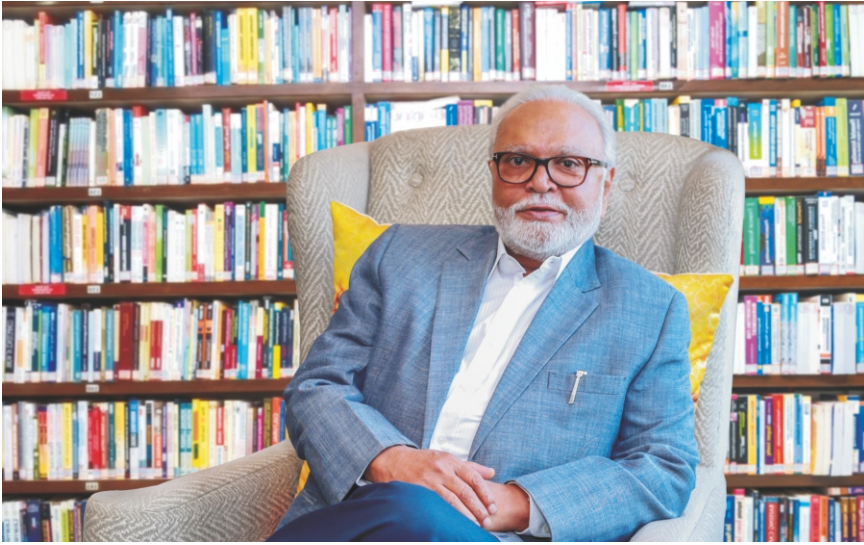
PEO2: Using a multi-disciplinary approach inculcate values of team work, strong communication skills, analytical skills and problem solving ability; for a highly productive career in Pharmaceutical industry, Pharmaceutical Management, sales and marketing, clinical research and other fields after graduation.

PEO3: To encourage and enable our graduates to pursue higher education by instilling lifelong learning and research aptitude in addition to core competencies.

PEO4: To train the students to contribute towards the pharma sector in an ethical manner for the betterment of society and work towards sustainable development.



From the Chairman's Desk



With many Indians evidently occupying influential positions globally in business, research, space, design, fashion, technology and more, the world is unmistakably acknowledging India's potential, as much as counting on it. This also bears testimony to the fact that India's education system has consistently performed better than that of many countries. On one hand, the finest educational institutions like IITs, IIMs, AIMS are producing world class professionals. On the other hand, India has also successfully reached out to the rural and suburban section and significantly improved gender equality in education besides boosting literacy rate itself, making people life-long learners. This has resulted in students, even from India's interior districts, rising to commanding heights in various arenas.

With newer proposed changes in Education as a sector, and IT backing and enabling its delivery and reach, we look forward to not only better serve Indian students, but also to attract and groom talent from around the world. All stakeholders, including academia students, industries, and government will have to play critical roles in making institutions capable of taking the next major leap forward and build an independent education ecosystem.

We, at three of our world class MET BKC campuses in Mumbai and Nashik, and at our International School - MET Rishikul Vidyalaya, are ceaselessly endeavoring to provide the best infrastructure, human capital, processes and values, so that tomorrow's India will outperform the India of yesteryears. We at MET believe that India's glorious period is not behind us but ahead of us, as a matter of fact we all are carving it out today

Chhagan Bhujbal
Hon. Founder Chairman - MET

Advantage MET

- MET Institute of Management ranked 4th Best B-School in Mumbai, 28th Best B-School All India and 15th amongst Top West B-Schools by the Times B-School Survey 2022
- MET Institute of Management ranked as India's 17th Best Pvt. B-School and 18th Best B-School for Placements by the Times B-School Survey 2022
- Ranked 4th Best B-School in Mumbai and 14th Best B-School in West Zone by the Times B-School Survey 2021
- MET Institute of Management ranked 9th in the Times Top Institutes of West India Survey 2020 across Western and Central India
- Ranked 5th Best B-School in Mumbai and 18th Best Pvt. B-School All India by the Times B-School Survey 2020
- Ranked 5th Best B-School in Mumbai and 28th Best Pvt. B-School All India by the Times B-School Survey 2019
- MET Institute of Pharmacy (Degree) has been awarded 'Best Pharmacy College in India' by National Education Achievement Awards, 2021 organised by the Devoxil Media Group
- MET is recognised as the Best Education Brand 2019 by The Economic Times
- Recipient of the prestigious World Education Awards 2019 for 'Outstanding Institute for Mass Media Management of the Year'
- MET Mass Media has a collaboration with Institute of Creative Excellence (ICE) - founded by Balaji Telefilms Ltd
- Unity in Diversity Educational Institute Award awarded by Global Dialogue Foundation & United Nations Alliance of Civilizations in 2016
- Centre of Excellence in collaboration with leading Corporates and Academia
- MET is a Ph.D. Research Centre of the University of Mumbai
- MET has the best e-enabled state of the art infrastructural facilities
- Focus on delivery of lifelong learning skills to build critical professional competencies
- Futuristic e-driven pedagogy and modules deliver e-commerce, IT and digital skills
- Global internship opportunities
- Research focused faculty
- Outstanding Indian/global industry interface
- Freeship awards for meritorious students
- Record placements with salary packages ranging upto fifteen lacs
- Well-networked with the best of corporate in India and abroad
- Sensitising the students towards social causes through MET Seva CSR programmes
- Unique partnership with the CII, London and NCC Education, UK
- Enlightened interaction for urban-rural synergy
- Strong alumni base world over



Late Shri Pranab Mukherjee
Former President of India



Mukesh Ambani
Chairman & MD, Reliance



Ratan Tata
Renowned Industrialist



Smt. Pratibha Devisingh Patil,
Former President of India



Adi Godrej,
Chairman, Godrej



Late Shri. Rahul Bajaj,
Chairman, Bajaj Auto



MET Chairman Wins Edupreneur Award

Founder Chairman Mr. Chhagan Bhujbal won the coveted Edupreneur Award and was featured amongst 11 iconic education-entrepreneurs from Maharashtra by The Times Group.

Message from the Principal



Dr. Abha Doshi
Principal,
MET IOP (Degree)

Dear students,

We are now nearly at the end of this academic year and if we look back and reflect it has been an eventful year and we have done a marvelous job.

Throughout the year our students have been active participants in Department of Lifelong learning and Extension (DLLE) under University of Mumbai that encompasses various social activities and exposes the students to diverse experiences ranging from cleanliness drive to AIDS awareness programs. We at METIOP, have started a Green club initiative called 'MET Pharma EcoCatalysts' and events organized included a tree plantation drive, water conservation activities and other environment friendly initiatives.

Our students are also making a mark in research. Many students participated in 'Aavishkar 2023' and one of the research teams was selected to represent the University of Mumbai at the state level. In addition, our students also presented their innovative ideas at 'CIIA-3' wherein one of teams was awarded the 2nd runner up prize. All our participants have made us truly proud. MET has developed the MET Incubation center to create an environment that fosters not only the growth of individual start-ups but also strengthens the overall entrepreneurial ecosystem, a hub where innovative ideas and concepts will be incubated and converted into useful products.

We organised a workshop conducted by PlatPharm for the students with the objective of getting them "Industry Ready" and thus improve the "Employability Quotient" with the specific focus on Placements, Higher Education and Job Readiness.

Dear students, for those of you who are on the verge of completing B. Pharm, I wish you the best for your future endeavours be it industry or higher education; wherever you go remember to be a good pharmacist and also a good human being.

Course Coordinator's Perspective



Dr. Rashmi S. Srivastava
Course Coordinator
MET IOP (Degree)

My Dear Students,

"It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change."

Charles Darwin

"The topic of this year's NEST revolves around Pharmacogenomics, a revolutionary field that has transformed the landscapes of both Pharmacy and medicine. This unequivocally signals a paradigm shift from our previous approach to medicine, transitioning from the conventional notion of "One size fits all" to the more personalized concept of "The right drug for the right person". This mind-set permeates into our daily lives, where we increasingly seek tailored solutions to meet our specific physical and psychological needs.

We all assert our entitlement to such customization. Now, let's take a moment to contemplate...

Do we extend the same consideration to others? Are we, perhaps, becoming more self-centred?

It's imperative to introspect on these aspects. While evolution has ushered in numerous positive changes in our lives, there's also a flip side to it. We must exhibit wisdom in assimilating the positives of these changes while vigilantly monitoring ourselves to ensure we contribute as assets, not liabilities, to society.

I am elated to share my perspectives, as it has consistently been a pleasure connecting with all of you. The NEST magazine stands as a brilliant compilation of co-curricular and extra-curricular activities undertaken by both students and staff throughout the academic year. It serves as a testament to the immense talent of students and staff members, conveyed through insightful write-ups and captivating pictures. I extend my sincere gratitude to our honorary Trustees and Principal, Dr. Abha Doshi, for their unwavering support. Congratulations to everyone involved in crafting and assembling this exquisite magazine. My best wishes go out to the young and promising students of MET for their future endeavours."

From the Cultural In-Charges

'Alone we can do so little, together we can do so much' so said the exceptional Ms. Heller Keller. This year has been one which showed us the truth hidden in these words. It showed us that the true power lies in being together at all times, discovering the 'we' and forgetting the 'me' in every situation.

This year began with the invocations to the divine by celebrating Aashadi Ekadashi. An auspicious puja was arranged followed by prasad distribution and recitations of energising bhajans. We were blessed to experience the same positivity during the Satyanarayan puja.



Our students were fortunate to be guided by many of our alumni during the course of the year. The same was replicated during the industry talk by Dr. Anita Nair. The philanthropic side of the staff and students was amply displayed during the blood donation drive. The students expressed love for their teachers on Teachers day.

A leaf imprinting competition was arranged on the occasion of Nagpanchami. Janmashtami was celebrated with equal gusto by arranging a Mandala Art competition. The inter collegiate event 'Umang' organised by NMIMS saw an active involvement by our students where they won laurels in an entrepreneurship event and events featuring challenging mind exercises. A slogan writing contest was held on Independence day which exceeded our expectations. This year saw the formation of Green club, which encouraged students to participate in many eco-friendly activities like eco-friendly ganpati making competition, rangoli competition on theme climate change, eco friendly diya making competition, beach cleanup drives, tree plantation and maintenance drives, Quiz competitions, plastic, old clothes and e-waste collection drives were conducted. Moreover, in order to bring awareness about cGMP we conducted a quiz competition on national cGMP day. A lively Garba night, indoor games competitions- carrom, table tennis and chess was also arranged.

Students participated in various co-curricular activities like the Poster and model presentation at Aavishkar, CiiA, Pharmazest and a National Seminar on 'Research Project: A Journey Ahead'. An Industry Visit at Glumex Pharmaceuticals was arranged for students. On the patriotic Republic day flag was hoisted by our honourable trustee, and students presented their speeches and poems.

The grand MET Fest brought out student's talents to the fore. MET Fest included activities like several fun filled competitions, creative exhibitions, talent show and sports day. Students were rejuvenated on these three cultural events. The staff and students picnic was a day filled with fun & frolic. We bid farewell to the outgoing batch of students with equal sorrow and wished them luck.

We feel immense gratitude towards our honourable trustees for their support in all our endeavours. We are grateful for the guidance, support and cooperation extended by Principal Dr. Abha Doshi, all faculty members and non-teaching staff. We acknowledge the entire MARCOM team for giving the final shape to The Nest and making it a reality. We would like to thank our Maintenance department for constantly helping us in each of our programmes wholeheartedly. Due to the tireless efforts of the council members and the active participation by the students each and every event was a grand success.

Ms. Manjiri Shinde, Mrs. Aushima Dasari
Cultural In-charges

Our Teachers

Innovation in education can lead to better overall outcomes in the environment. Innovative classrooms are filled with students who are developing stronger communication skills and building engagement capacity amongst their peers. All the teachers made this a reality. Our teachers were the source of inspiration and constant motivation for us to move towards a better understanding and look at things in a new light. They play a major role in our lives, not just as teachers but also as a guide and as role models that we could look up to. No amount of words would be enough to express our gratitude towards our dearest teachers



First Row (L to R) : Ms. Sheeja Koliyote, Dr. Poonam Advani, Dr. Rashmi Srivastava, Dr. Abha Doshi, Dr. Vijaya Patil, Dr. Sonali Naik, Dr. Bhagyashri Joshi, Dr. Madhura Vaidya, Ms. Sindhu Menon,
Second Row (L to R) : Mrs. Sunanda Patil, Mrs. Aushima Dasari, Ms. Manjiri Shinde, Ms. Vrushali Keer, Mrs. Priyanka Joshi, Dr. Bandoo Chatale.

The Non-Teaching Staff

The non-teaching staff plays an integral role in our lives. They always walk along with us and help us in trivial as well as major. They are efficient, hard-working as well as very kind and grounded and thus have a positive impact on our formative years. MET institute of Pharmacy provides an environment where teaching and non teaching staff have mutual respect for each others work in tandem to provide us quality education



First: (L- R): Mrs. Ankita Patade, Mrs. Asavari Hadkar, Mrs. Manisha Barve, Dr. Rashmi Srivastava, Dr. Abha Doshi, Mrs. Priya Sawant, Mrs. Aarti Gore, Mrs. Sneha Kokate, Mrs. Ashwini Pawar.

Second: (L- R): Mr. Yuvraj Thakare, Mr. Ashwin More, Mr. Ajay Mali, Mr. Sudhir Ayare, Mr. Rajesh Sawant, Mr. Dattaram Bhure, Mr. Sunil Mohite, Mr. Pradeep Jadhav, Mr. Gurunath Pednekar, Mr. Dinesh Khanolkar, Mr. Mahendra Surve, Mr. Pramod Karbhari, Mr. Sanjay Palav, Mr. Prashant Rane, Mr. Ghanshyam Kamblu, Mr. Sanjay Katkar.

Students Council 2023-24

Instilling values such as Integrity, Strategic thinking, Teamwork, and Commitment requires practical experiences where these qualities are actively applied in life. The Student's Council plays a pivotal role in providing such opportunities, aiming to establish a solid foundation for lifelong learning. Throughout the year, we not only organized a varied range of co-curricular and extracurricular activities at college level but also orchestrated a dynamic array of intercollegiate and inter-departmental events, fostering collaboration and cross-disciplinary engagement.

Our sincere gratitude goes to Principal Dr. Abha Doshi for providing us with this platform, and heartfelt thanks to Ms. Manjiri Shinde and Ms. Aushima Dasari for their unwavering support and guidance. The council members left no stones unturned in creating magic at every opportunity, be it events, celebrations, fests or other endeavors.

This year unrolled with a tapestry of events, enthusiastic participation, and a sense of unity. From sports and performing arts to creativity, academia, and debates, our students displayed remarkable contribution and engagement. Special acknowledgement goes to the incredible team that worked tirelessly to turn imaginative ideas into reality.

Our heartfelt best wishes extend to every student, whether part of the Student's Council or not, for contributing to a fruitful year and creating lasting memories.

Post	Class	Name
General Secretary	TY B.Pharm	Ms.Kimaya Palav
		Mr. Pratham Panjwani
Cultural Secretary	SY B Pharm	Ms. Advika Dalvi
		Ms. Esha Patil
Editor-Nest Magazine	TY B Pharm	Ms. Priyanka Singh
	SY B Pharm	Ms. Kirti Ramane
		Ms. Khushi Kanujia
Class Representative	FINAL YEAR B Pharm	Ms. - Prachi Chaurasia
		Ms. - Akanksha Jaiswal
		Ms.- Krushika Soni
	Third Year B Pharm	Ms. Samiksha Gawde
		Mr. Dhiraj Gupta
		Ms. Yesha Shah
Second Year B Pharm	Ms. Shreya Chikhale	
	Mr. Sahil Gurav	

Students Council 2023-24

		Ms. Riya Patwa
	First Year B Pharm	Shrushti Chougule
		Divya Kava
		Archita Save
Social Media Coordinators	Final Year B Pharm	Ms. Kasturi Kadam
		Ms. Minal Jain
	TY B Pharm	Mr. Khan Mohd Monishuddin
	SY B Pharm	Ms. Tanvi Bandekar
Sports Secretary	TY B Pharm	Mr. Sayyed Mohd Affan Mohd Azad
	SY B Pharm	Mr. Karan Ghankute
Treasurer	TY B Pharm	Ms. Rhutuja Gangan
	SY B Pharm	Ms. Varsha Suthar
Social Welfare Committee	TY B.PHARM	Ms. Anniksha Shah
	TY B.PHARM	Mr. Shivam Rai
	TY B.PHARM	Mr. Vibhav Phadtare
	TY B.PHARM	Ms. Rishika Potam
	SY B.PHARM	Mr Rishi Gupta
	SY B.PHARM	Mr. Mayank Bharambe
	SY B Pharm	Mr. Kanhaiya Malani

Students Council 2023-24



First row (L-R): Ms. Annikshaa Shah, Ms. Advika Dalvi, Ms. Esha Patil, Mr. Pratham Panjwani, Ms. Kimaya Palav, Ms. Manjiri Shinde, Dr. Abha Doshi, Mrs. Aushima Dasari, Ms. Minal Jain, Ms. Kasturi Kadam, Ms. Akanksha Jaiswal.
Second row (L-R): Mr. Vibhav Phadtare, Ms. Rhutuja Gangan, Mr. Mohd Sayyed Affan, Ms. Rishika Potam, Mr. Dhiraj Gupta, Mr. Kanhaiya Malani, Mr. Sahil Gurav, Mr. Rishi Gupta, Mr. Mayank Bharambe, Ms. Prachi Chaurasia, Ms. Krushika Soni, Ms. Varsha Suthar, Ms. Khushi Kanujia, Ms. Kirti Ramane, Ms. Priyanka Singh, Ms. Shreya Chikhale, Ms. Riya Patwa, Ms. Tanvi Bandekar, Ms. Shrushti Chougule, Ms. Divya Kava, Ms. Archita Save, Ms. Samiksha Gawde, Mr. Karan Ghankute, Mr. Shivam Rai, Mr. Khan Mohd Monishuddin

IPA Talks



The Indian Pharmaceutical Association- Maharashtra State Branch- Students' Forum, one of the chief segments of the Indian Pharmaceutical Association, has been the go-to platform for pharmacy students in the state of Maharashtra for decades.

Under the auspices of this student-run organization, various budding pharmacists have united to harmonize their energies for exploring the boundless avenues of the pharmaceutical sphere. All the diverse facets of the pharmaceutical arena. Be it academia, industry, community and hospital pharmacy, management and public health are emphasized by the conglomerate.

Sr No.	Name of member	Committee	Post	Year
1	Noaman Amrelia	General Secretary	Vice- Chairperson	Final Year
2	Shristi Shetty	General Secretary	Joint General Secretary	Third Year
3	Shlok Bodke	Sports	Joint Sports Secretary	Third Year
4	Sakshi Parab	Cultural	Joint Cultural Secretary	Third Year
5	Dharmendra Purohit	Public Health Office	Joint Public Health Officer	Third Year
6	Yatish Chauhan	Executive	Joint Executive Officer	Third Year
7	Tanishqa Rane	Finance	Cell member - Finance Committee	Third Year
8	Lawanya Ravindran	Editorial	Cell Member- Editorial Committee	Second Year

Editors' Message

Genes as the Silent Healers: Dive into the pages of 'The Nest' as we unravel the profound impact of Pharmacogenomics - the fascinating connections between the genetic makeup and response to medications, revolutionizing the landscape of pharmaceutical sciences. The magazine unfolds the ascent, necessity, and diverse applications of pharmacogenomics in various fields such as psychiatry, geriatrics, pediatrics, oncology, cardiology, pharmacy practice, personalized medicine, and beyond. The articles will provide insights into the realm of Pharmacogenomics, offering an understanding of both its current state and future prospects. Filled with captivating photographs, artwork, and poems, the magazine intends to provide a platform for the diverse talents of everyone involved.



The success of this endeavor owes much to the collective efforts of numerous individuals. Our heartfelt gratitude extends to the students who dedicated their time to craft articles and create artwork for The Nest. Special appreciation goes to our esteemed principal, Dr. Abha Doshi, whose unwavering support has been a driving force. We express deep thanks to our dedicated faculty members for their immense understanding and patience in guiding us through this process. A profuse thank you to the entire MARCOM department for their consistent support and helping hand throughout this journey. We sincerely hope that our readers derive as much enjoyment from reading this magazine as we did from creating it.

The Editorial Committee

Kirti Ramane (SY)
Priyanka Singh (TY)
Khushi Kanujia (SY)

About the Cover Page

The theme of the magazine widely covers the study of gene variability influencing a drug's reaction in the body and also on how it influences the pharmacy sector. The magazine cover creatively illustrates this intriguing idea by describing a connection between a drug's Pharmacological response and the genetics involved.

We would like to thank Ms. Kirti Ramane, Mr. Vaishnav Pawar & Ms. Chinmayi Kshirsagar (all SY B.Pharm) who not only had the vision of the cover page but also turned it into a reality.

ASHADI EKADASHI

29th June 2023 :The family of MET IOP (Degree) began the academic year 2023–2024 by honoring Lord Vitthal on Ashadhi Ekadashi. An auspicious Pooja was planned, which began in the morning. It was graced by the presence of honorable trustee, Mrs. Vishakha Bhujbal. The teaching, and non-teaching staff members, and pupils devoted themselves to Lord Vitthal. The devotees enjoyed the aartis and devotional bhajans performed by Mr. Sudhir Ayare. Staff members from all the Institutes of MET were welcomed to seek blessings and attend the pooja. A mood of joy and spirituality permeated the entire space.



ROAD AND SAFETY TRAINING



7th July 2023: United Ways Mumbai team with the Social Welfare Committee and DLLE Committee of MET IOP (Degree) organized the public safety and road safety program in the MCA seminar hall. The guest, Mr. Sujit Patil started the program by outlining their structure and team and taking the pre-test focused on traffic laws and safety. Also, they provided instructions on bike selection, system inspection, pillion rider seating, etc. The information they had given was collected from the Maharashtra Safety Council. Moreover, they provided a pie chart showing the top-ranking

states where accidents occur more frequently as a result of the major cities being situated in those states, and they displayed the live recording of unintentional scenarios based on the theme of overspeeding. Another significant subject they covered was aiding accident victims by dialling 108 for an ambulance. So, a friendly & brief instruction to be careful and responsible was provided.

ALUMNI INTERACTION

18th July 2023: The third-year students were addressed by alumni Mrs. Dipti Samant, the managing partner of Blossom Pharmaceuticals, managing director of Altova Healthcare, and partner in Keshavlal and Company. She acquainted the students with the whereabouts of her journey and the workings of the Indian Pharma Industry. The interaction held forth to 'HOW CAN WE MAKE OURSELVES INDUSTRY READY?'. The students were familiarized with the capabilities and skills required to enter the industry and how they can acquire them. She also discussed the importance of networking with others working in the same industry through LinkedIn, and attending webinars, seminars, conferences, and interactive meetings. She advised everyone to keep themselves updated by utilizing the pros of technology. The session ended with Mrs. Samant patiently answering the queries of the students. The entire session was conducive for all the budding minds.



INDUSTRY EXPERT TALK

20th July 2023 : The IQAC of MET IOP (Degree) hosted a seminar 'Industry Expert Talk' addressed by Dr. Anita Nair who is currently heading the team of global subject matter experts that also provides Regulatory Intelligence, Advocacy, Customer support, Training, and Consultancy for the Life Science business at Merck. Dr. Nair is an experienced professional in various fields of pharmacy and educated the students about the multiple options one can look into after completing a bachelor's degree in pharmacy. She briefed the students about the path one may walk from university to industry, emphasizing two career phase insights - academics and industry, advising them to develop skills in collaborations, digitalization, regulations, and calculated risks common to all fields as well as leadership abilities and business perspective having more importance in industrialization, lab management, and research fields. The seminar concluded with Dr. Nair wishing the students good luck for their future and each student having a fair idea about what the future opportunities are, that they can choose based on their strengths while working for the betterment of society.

RESEARCH PROJECT: THE JOURNEY AHEAD

4th and 5th August: MET IOP (Degree) welcomed participants from various pharmacy colleges to attend the National seminar titled "Research Project: The Journey Ahead" and participate in the poster competition. The seminar was conducted for 2 days i.e., 4th and 5th August 2023.

Dr. Chhaya Gadgoli, head and professor of the Department of Pharmacognosy at Saraswathi Vidya Bhavan's College of Pharmacy delivered a talk on "Basics of Biostatistics" delving into topics such as data analysis, experimental designs, and interpretation of results.

Four honorable guests welcomed were Dr. Rajashree Hirlekar, Dr. Anagha Raut, Dr. Galvina Pereira, and Dr. Rupali Rajesh Tasgaonkar. They served as judges and evaluated the posters that ranged on the subject Formulation and/or evaluation of Novel Pharmaceutical and/or Phytopharmaceutical Delivery Systems.

On day two the invited speakers were Dr. Nalini Kurup, Dr. Swati Patil, Dr. Urmila Joshi, and Dr. Anubha Khale who spoke on topics such as pre-formulation studies, intricate relationships between plants and their potential therapeutic applications, publishing a research paper and formulation studies. The two-day national seminar concluded with the felicitation of the winners of the poster presentation competition and Dr. Abha Doshi Principal and Professor at MET Institute of Pharmacy (Degree) extending a vote of thanks to all the speakers and attendees.

Institute Insider

ALUMNI INTERACTION

8th August 2023: The third-year students of MET Institute of Pharmacy (Degree) were addressed by Alumnus Mr. Pranay Pawar who is currently chairing the position of Senior Manager of Technical Training at Health Recon Connect. He is an expert leader with over 16 years of experience in ITES/Healthcare/Quality Improvement with Green Belt certification.

He enlightened the students on further career options after completing BPharm, emphasizing more on patient and their insurance management, medical coding, drug safety, and surveillance. He also shared his experiences in two companies Cognizant and United Health Group, which helped the students to learn what kind of job they can explore and how they can become more productive.

Further, he described how pharmacy works in the US for patients, patients' health insurance to reply to their queries, the revenue collection from insurance, and challenges he faced along with what solutions were found. At the end he also shared tips to become industry-ready like creating a network, taking up certification courses like Lean Sigma Green Belt, project management, etc. and what are different roles and companies to look out for. This helped students explore various other fields like operations, talent acquisition, project management, etc. which students will be able to consider while deciding their future career path.



EDWISE-INTERNATIONAL OVERSEAS

11th August 2023: Edwise Internationals hosted a pivotal seminar for third and final-year students of MET IOP (Degree), featuring insights from consultants Mr. Gaurav and Ms. Ayushi. The focus was on broadening the horizons of pharmacy students beyond India. The duo meticulously outlined the admission procedures for premier international colleges, shedding light on Edwise's role in facilitating admissions. Emphasizing the significance of exams like TOEFL and IELTS, they equipped students with vital information for pursuing further education abroad. The seminar proved invaluable, providing a roadmap for aspiring pharmaceutical professionals to navigate global academic landscapes and secure coveted positions in renowned institutions.

SLOGAN COMPETITION

14th August 2023: MET Institute Of Pharmacy (degree), on the occasion of INDEPENDENCE DAY, organized a dynamic slogan writing competition based on the theme INCREDIBLE INDIA. The competition witnessed an impressive turnout of many participants reflecting the student's keen interest in literary activities. After a fair evaluation, the esteemed judges Dr. Sonali Naik and Dr. Poonam Advani selected the three slogans that best embodied the essence of the theme. Nidhi Mishra followed by Fatema Kapasi and Fainy Dedhia were declared the winners at first, second, and third rank respectively. The following slogan was selected which set the mood for the event.

Institute Insider

"कटबद्ध भारत देश हमारा,
चांद पर लहराये तिरंगा न्यारा,
विकास और विज्ञान है
हमारी पहचान,
विश्वपटल पर जिससे बढ़ती है
हमारे देश की शान।"



77th INDEPENDENCE DAY AT MET

15th August 2023 : MET Institute Of Pharmacy celebrated the 77th Independence Day along with MRV School. It was an inspiring occasion, uniting students, faculty, and guests in the spirit of patriotism, ecological mindfulness, and gender equality. Themed "Majhi Mati Majha Desh," the event promoted a holistic view of sustainability and inclusivity. With gratitude and patriotism, Mr. Sanjeet Goswami set a dynamic tone for the day. MRV students exemplified national commitment by planting 75 Tulsi saplings, symbolizing growth and health. The event's second segment featured a powerful dance and skit by MET's IOP students that highlighted women's empowerment. The carefully choreographed performance provided a platform for the students to express their concerns, using their creative talents to shed light on sensitive topics often shrouded in silence. By choosing to tackle domestic violence and gender inequality, the students demonstrated a commitment to social justice and advocacy. The performance became a vehicle for empathy, fostering a deeper understanding of the struggles faced by those affected.

After all the performances, the day was concluded with the pledge taken by each and every member present at the celebration and the final thank you speech was given by students.



Institute Insider

GPAT GUIDANCE LECTURE

16th August 2023: The third and final year students of MET IOP (Degree) were guided by Mr. Payaam Vohra about how they can prepare for the national level entrance exam GPAT held for pharmacy graduates. He is an accomplished gold medalist in the University of Mumbai (Pharmacy), securing top ranks in GPAT, NIPER, MET, ICT, and IIT BHU. He has qualified for other national-level entrances too.



He familiarized the students with the various exams they can appear for and emphasized GPAT covering the mode in which the exam happens, its tentative schedule, and analysis of the pattern of paper with the syllabus to attend it. He demonstrated the method he followed to excel in the exam and pointed out solutions to the distractions commonly faced by the students during preparation for an entrance exam. The guest lecturer also introduced the students to his entrance exam guidance platforms on various social media applications. The informative lecture ended with Ms. Sunanda Patil extending a vote of thanks to Mr. Paayam Vohra.

CELEBRATING NAG PANCHAMI WITH CREATIVITY

21st August 2023: On the auspicious occasion of Nag Panchami, MET IOP(Degree) added a creative twist by organizing two engaging competitions: Leaf Imprinting and Photography, centered around the enchanting theme of the Bombay Monsoon. The Leaf Imprinting competition challenged participants to showcase their artistic skills. The Photography competition invited shutterbugs to explore the myriad facets of Mumbai's monsoon. From rain-kissed architecture to lively street scenes, participants used their lenses to freeze moments that encapsulated the beauty, chaos, and serenity of the city during the rainy season. It also provided a platform for emerging talent to showcase their skills and perspectives, contributing to the vibrant cultural tapestry of the institute. The culmination of the event was marked by an award ceremony, recognizing and celebrating the outstanding contributions of the participants

SATYANARAYAN POOJA

26th August 2023 : MET IOP (Degree) organized a Satyanarayan Pooja on August 26 August 2023. The classroom where the pooja was performed was decked with colorful lights and flower garlands.

The staff members drew a beautiful rangoli that gleamed up the entire floor. Mrs. Vishaka Bhujbal dignified the pooja with her presence. The pooja went on for a few hours. Everyone from teaching

to non-teaching staff and the students received blessings from Lord Vishnu and wholeheartedly showed their devotion by singing bhajans, and aartis along with tuning into the tale of Shri Satyanarayana. The pooja was winded by the distribution of prasad, filling the entire atmosphere with spirituality and purity



Institute Insider

FOSTERING CREATIVITY AND SUSTAINABILITY: RAKHI MAKING COMPETITION

29th August 2023 : In a bid to blend creativity with eco-consciousness, the Student Council and Distance and Lifelong Learning Education (DLLE) Committee organized a Rakhi Making Competition, showcasing the talents and environmental awareness of students at our esteemed institution.

The event aimed to promote sustainable practices while celebrating the age-old tradition of Raksha Bandhan. Students enthusiastically participated, crafting intricate and beautiful rakhis using eco-friendly materials. From recycled paper to natural fibers, the diverse range of materials used reflected a commitment to environmental responsibility. The competition provided a platform for students to showcase their artistic skills and innovative ideas. Participants demonstrated not only their creativity but also a deep understanding of the need to adopt sustainable practices in today's world. The emphasis on eco-friendly materials added an extra layer of significance to the traditional festival.

Following the creative fervor, the handmade rakhis were put up for sale. The competition not only celebrated the essence of Raksha Bandhan but also underscored the importance of mindful consumption and responsible waste management.

CAREER COUNSELLING

31st August 2023: Mr. Himashu Mittal, a distinguished Career Counsellor affiliated with MET League of Colleges and MRV addressed the third-year and final-year students of MET IOP (Degree) on the profuse opportunities available for pharmacy graduates to continue their higher studies in the UK. He compared and contrasted the educational landscapes of India and the UK, shedding light on the myriad avenues for further studies.

Mr. Mittal commenced his presentation by underlining the growing significance of higher education in the pharmaceutical field and the increasing demand for global exposure. He emphasized that pursuing postgraduate studies in the UK can significantly elevate one's career prospects, given the nation's renowned universities and cutting-edge research opportunities. Mr. Mittal elucidated several key points: Educational Quality, Diversity of Courses, Duration and Structure, Research Opportunities, Career Prospects, and Global Perspective.

His session encouraged students to explore this path, leveraging his expertise to help them make informed decisions about their academic and professional futures.



SPORTS DAY CELEBRATION

1st and 4th September 2023: Every year on 27th of August National Sports Day is celebrated, on account of which MET Institute Of Pharmacy (Degree) had organized indoor games sports event on 1st September and 4th September 2023 in the recreational area of the college. Games included Table Tennis and Carrom. Students from each year had shown their active participation in both of these indoor games. It was a great event which allowed students to show their great sports skills.

His session encouraged students to explore this path, leveraging his expertise to help them make informed decisions about their academic and professional futures.



FRESHER'S PARTY

4th October 2023: At MET IOP's Freshers' Party on October 4th, the institution welcomed the class of 2023 with infectious energy and excitement. Principal Dr. Abha Doshi and Dr. Rashmi Srivastava set the stage for a night filled with talent showcases, dance, and games. The crowning of Mr. Fresher Huzaifa Lokhandwala and Miss. Fresher Nyssa Falcao marked the highlight of an unforgettable evening, promising the newcomers a vibrant academic journey ahead.



cGMP DAY QUIZ

10th October 2023: The Student Council of MET IOP (Degree) recently orchestrated an invigorating quiz competition for third and final-year students in honor of the National Current Good Manufacturing Practices Day. Through a circulated Google form, participants showcased their expertise and insights into good manufacturing practices, emphasizing the crucial role of cGMP. Beyond the academic exercise, the event provided an exciting opportunity for aspiring pharmacists to connect, fostering a vibrant sense of community within the student body.

Institute Insider

ALUMNI INTERACTION

10th October 2023: MET Institute of Pharmacy (Degree) recently hosted alumnus Mr. Vivek Bandagle, currently practicing as a pharmacist in the UAE, who shared valuable insights with third and final-year students. Mr. Bandagle not only shed light on the numerous opportunities available in the UAE but also provided guidance on the pathways to secure employment in the country. Drawing from his personal journey, he delved into the details of qualifying exams, syllabi, and patterns conducted by multiple states in the UAE. In addition, he offered valuable advice on selecting future employment in various pharmacy-related fields, emphasizing the importance of setting criteria before making career decisions.



IIC SEMINAR

16th October 2023: The Institution Innovation Council at MET IOP (Degree) convened a stimulating event. The gathering commenced with Dr. Rashmi Srivastava's insightful overview of a poster presentation on computer-aided drug design (CADD). She shed light on the critical areas of research gaps, emphasizing the integration of plants and filters in CADD. Following Dr. Srivastava's enlightening presentation, an engaging oral session ensued. Mr. Pratham Mahato, Ms. Sharvari Desai, and Ms. Mansi Gupta captivated the audience with their discussion on herbal compounds. They elucidated the diverse array of bioactive molecules found in herbs and their potential to target multiple pathways within cancer cells. The trio also highlighted the importance of clinical studies in validating the scope of herbal compounds in cancer therapy and the promising future of herbal-based treatments. This accolade reflects the dedication and excellence of the MET Institute of Pharmacy's students and their contributions to the field of pharmaceutical research and innovation.



Institute Insider

GARBA RAAS

21ST OCTOBER 2023: The MET Institute of Pharmacy recently hosted a vibrant celebration of the Ras Garba event, an exciting cultural fusion of music, dance, and tradition. The event, organized by the Student Council, began at 2 pm and was marked by participants engaging passionately in the traditional Indian dance of Garba. Participants adorned in vibrant attire passionately immersed themselves in the art of Garba, a traditional Indian dance.

As the night progressed, the announcement of winners added an exciting twist to the event. Jugal Shah claimed the title of "Best Dressed Male," while Yesha Shah earned the distinction of "Best Dressed Female." The evening concluded with a captivating DJ session, ensuring that MET IOP's Ras Garba 2023 left an indelible mark as a culturally rich and talent-filled celebration.



ALUMNI INTERACTION

19th December 2023: Mr. Abhishek Nair, an esteemed alumnus of MET Institute of Pharmacy, addressed the third-year students in a captivating session that delved into the field of Pharmacy, specifically focusing on Pharmaceutical Health Outcomes and Research. He discussed how professionals in this field contribute to improving patient outcomes, enhancing the effectiveness of pharmaceutical interventions, and driving advancements in healthcare. Emphasizing the evolving landscape of the pharmaceutical industry, he advised students to develop essential soft skills, including effective communication, teamwork, and adaptability. Furthermore, he stressed the significance of basic data analysis skills in understanding and interpreting pharmaceutical data, a crucial aspect of modern pharmacy practices. The engagement concluded with an interactive Q&A session, where he addressed the students' inquiries



QUIZ COMPETITION

13th January 2024: Student council of MET Institute of Pharmacy (Degree) in collaboration with Green Club had organised offline quiz competition. The recent quiz on at conservation was both insightful and engaging. Participants showcased a commendable understanding of the importance of water conservation and its relevance in our daily lives. Questions ranged from the significance of reducing water usage at home to the global impact of water scarcity on ecosystems. The quiz fostered awareness about the urgency of preserving water resources and highlighted the role individuals can play in this critical endeavour. It was a successful initiative in promoting environmental consciousness, inspiring participants to adopt water-saving practices, and contributing to a more sustainable future. In the competition, after the semi-final round, final



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CULTURAL DAYS

16th to 22nd January 2024: The Student Council of MET IOP (Degree) organized a week-long Cultural Days. The days began with Indian Cultural Diversity Day which was held on 16 th January 2024. Students were encouraged to connect with their roots and heritage by wearing traditional Indian attire. Character Day on 17 th January 2024 unleashed creativity by having students dress up as their favorite character. Mismatch Day on 18 th January 2024 broke free from fashion norms and patterns. Students mixed, matched the clothing pieces, colors, styles and textures. Twin Day was held on 19 th January 2024. Students found partners, coordinated outfits and doubled up the fun by dressing as fashion twins. Saree and Tie Day on 20th January 2024 fused elegance and by having students traditional Indian sarees or western ties. Creative spirit and cultural pride shined through fashion choices and self-expression during Cultural Days 2024 at MET IOP.



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P&G SEMINAR

17th January 2024: In a bid to empower and to equip female students with essential life skills, P& G recently hosted an engaging seminar at the MET IOP (Degree). The seminar, led by P&G representative Ms. Mishika, covering a variety of topics ranging from self-care to personal hygiene and professional development.



She shared valuable tips on crafting an impressive resume, acing interviews, and projecting a composed demeanour even in challenging scenarios. To drive home these points, a thoughtfully curated video showcased dos and don'ts for interviews and practical self-care routines. The interactive seminar allowed attendees to seek personalized advice from Ms. Mishika, inspiring them to embrace individuality and strengthen their capabilities. P&G concluded the event by distributing gift hampers filled with self-care products, serving as a tangible reminder of the valuable lessons shared. The seminar was a resounding success, providing practical insights and empowering female students.

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REPUBLIC DAY CELEBRATION

26th January 2024: MET's Republic Day celebration on January 26, 2024, was a day brimming with pride and unity. The pinnacle of the celebration was the flag hoisting, a symbolic gesture representing unity and freedom. Mr. Pankaj Bhujbal delivered a speech emphasizing the significance of Republic Day, underlining the values of unity and progress. Post the speech, dignitaries were paraded back, imparting a special touch to the occasion.



The cultural segment commenced with performances showcasing the diverse talents within MET. Nidhi Mishra (TY Bpharm) delivered an insightful speech on 'Education for All: The Key to Progressive Republic,' envisioning education as a beacon of empowerment. A special moment followed as MET Ratna & Gaurav awardees of 2022 and 2023, Mitali Kamat, final year college and University topper (21-22), and Shruti Kotian, final year college topper (22-23), were honored, acknowledging their prestigious achievements. Their outstanding dedication to academic excellence has not only brought pride to themselves but also reflected positively on the entire MET community. Pallari Kadam's (TY BPharm) poem, "Republic Day: A Day of Freedom and Inspiration," added a literary touch to the cultural festivities. Lavanya Ravindran (SY BPharm) spoke about patriotism transcending politics and religion, emphasizing the unifying power of love for our nation. Chinmayi Kshirsagar's (SY BPharm) poem, 'Prajastak Dinachya Charolya,' paid tribute to Republic Day, introducing linguistic diversity to the program. The event seamlessly blended tradition, intellectual discussions, and cultural performances, showcasing the diverse talents and perspectives within the MET community.

MET FEST 2024

8th, 9th, 10th February 2024: The college fest kicked off with an electrifying start on day one, featuring an exhibition showcasing various talents and skills of students. From art displays to technological innovations, the exhibition provided a platform for students to showcase their creativity and knowledge. Concurrently, workshops were conducted, offering valuable insights and hands-on experiences to attendees, enriching their learning beyond the classroom. Day two of the fest was filled with entertainment and excitement as students took the stage to showcase their talents in a diverse range of performances. The talent show featured mesmerizing dance routines, soulful singing performances, and stunning fashion displays, captivating the audience and showcasing the immense talent within the college community.



As the fest entered its third day, the campus was buzzing with energy as students participated in various sporting events. From friendly competitions to intense matches, sports day provided a platform for students to showcase their athletic abilities and foster team spirit. With events ranging from track and field to team sports, the day was filled with camaraderie and sportsmanship, creating lasting memories for all involved. Overall, the college fest was a resounding success, bringing together students from all walks of life to celebrate creativity, talent, and sportsmanship.

Campus Winners

FIRST YEAR

SEMESTER 1

SR NO.	SUBJECT	NAME OF THE STUDENT
1	Human Anatomy and Physiology I	Chinmayi Kshirsagar
2	Pharmaceutical Analysis	Chinmayi Kshirsagar
3	Pharmaceutics I	Chinmayi Kshirsagar
4	Pharmaceutical Inorganic Chemistry	Riya Patwa
		Chinmayi Kshirsagar
5	Communication Skills	Chinmayi Kshirsagar
6	Remedial Mathematics	Chinmayi Kshirsagar
7	Human Anatomy and Physiology I Practical	Karti k Narkhede
8	Pharmaceutical Analysis I Practical	Vasihnav Pawar
9	Pharmaceutics I Practical	Chinmayi Kshirsagar
		Aditya Sankpal
10	Pharmaceutical Inorganic Chemistry Practical	Vaishnav Pawar
11	Communication Skills Practical	Aditya Sankpal
		Chinmayi Kshirsagar
		Heymish Shirsekar
		Khushi Kanujia
		Kanhaiya Malani
		Kirti Ramane
		Kunal Jadhav
		Purva Bhosale
		Farhan Shaikh

Campus Winners

SEMESTER 2

SR NO.	Subject	NAME OF THE STUDENT
1.	Human Anatomy and Physiology II	Chinmayi Kshirsagar
2.	Pharmaceutical Organic Chemistry I	Chinmati Kshirsagar
3.	Biochemistry	Chinmayi Kshirsagar
4.	Pathophysiology	Chinmayi Kshirsagar
5.	Computer Applications in Pharmacy	Chinmayi Kshirsagar
6.	Environmental Sciences	Cinmayi Kshirsagar
7.	Human Anatomy and Physiology II Practical	Vedant Patil
8.	Pharmaceutical Organic Chemistry I Practical	Purva Bhosle
		Riya Patwa
9.	Biochemistry Practical	Chinmayi Kshirsagar
10.	Computer Applications in Pharmacy Practical	Chinmayi Kshirsagar
		Aaditya Sankalp
		Trisha Savla

FIRST YEAR TOPPER

OVERALL TOPPERS	SCORE
Chinmayi Kshirsagar	9.15
Riya Patwa	8.76
Vaishnav Pawar	8.42

Campus Winners

SEMESTER 3

SECOND YEAR

SR NO.	SUBJECT	NAME OF THE STUDENT
1.	Pharmaceutical Organic Chemistry II	Priyanka Singh
2.	Physical Pharmaceutics I	Fatema Kapasi
3.	Pharmaceutical Microbiology	Fatema Kapasi
		Priyanka Singh
4.	Pharmaceutical Engineering	Siddesh Wadkar
5.	Pharmaceutical Organic Chemistry Practical	Jinali Faria
6.	Physical Pharmaceutics I Practical	Varsha Chaudhary
		Sakshi Fulaware
		Khatija Khan
7.	Pharmaceutical Engineering Practical	Jinali Faria

SEMESTER 4

SR NO.	Subject	NAME OF THE STUDENT
1.	Pharmaceutical Organic Chemistry III	Jinali Faria
2.	Physical Pharmaceutics I	Nitesh Choudhary
3.	Physical Pharmaceutics II	Varsha Choudhary
4.	Pharmacology I	Fatema Kapasi
5.	Pharmacognosy & Phytochemistry I	Jinali Faria
6.	Medicinal Chemistry I Practical	Pratham Shah
7.	Physical Pharmaceutics II Practical	Varsha Choudhary

Campus Winners

8.	Pharmacology I Practical	Fatima Choudhary
9.	Pharmacognosy & Phytochemistry I Practical	Varsha Choudhary

SECOND YEAR TOPPER

OVERALL TOPPERS	SCORE
Pratham Shah	8.94
Fatema Kapasi	8.87
Varsha Choudhary	8.82

THIRD YEAR

SEMESTER 5

SR NO.	SUBJECT	NAME OF THE STUDENT
1.	Medicinal Chemistry II	Sharvani Pendnekar
2.	Industrial Pharmacy I	Sharvani Pendnekar
3.	Pharmacology II	Avijeet Baksi
4.	Pharmacognosy & Phytochemistry II	Atharva Mandhare
5.	Pharmaceutical jurisprudence	Kashmira Chaudhari
6.	Industrial Pharmacy I Practical	Preeti Kothare
7.	Pharmacology II Practical	Divya Pawar
		Preeti Kothare
8.	Pharmacognosy & Phytochemistry II Practical	Atharva Mandhare
		Maryam Khan

Campus Winners

SEMESTER 6

SR NO.	SUBJECT	NAME OF THE STUDENT
1.	Medicinal Chemistry III	Avijeet Baksi
2.	Pharmacology III	Preeti Kothare
3.	Herbal Drug Technology	Dhanashree Ghodake
4.	Biopharmaceutics & Pharmacokinetics	Avijeet Baksi
5.	Pharmaceutical Biotechnology	Sakshi Prabhu
6.	Quality Assurance	Pratham Mahato
7.	Medicinal Chemistry III Practical	Pratham Mahato
		Dhanashree Ghodake
8.	Pharmacology III Practical	Krushika Soni
9.	Herbal Drug Technology Practical	Pratham Mahato

THIRD YEAR TOPPER

OVERALL TOPPERS	SCORE
Pratham Mahato	8.77
Kashmira Chaudhari	8.67
Atharva Mandhare	8.23

FINAL YEAR

SEMESTER 7

SR NO.	SUBJECT	NAME OF THE STUDENT
1.	Instrumental Methods of Analysis	Khushi Jha
2.	Industrial Pharmacy II	Sudha Yadav
		Harshvardin Pillai
3.	Pharmacy Practice	Mahesh Kurlekar

Campus Winners

		Piyush Doshi
4.	Novel Drug Delivery System	Sakshi Raut
5.	Instrumental Methods of Analysis practical	Saloni Suresh
6.	Practice School	Mahesh Kurlekar

SEMESTER 8

SR NO.	SUBJECT	NAME OF THE STUDENT
1.	Biostatistics Research Method	Wahida Qureshi
2.	Social & Preventive Pharmacy	Anisha Revankar
3.	Pharma Marketing Management	Ranbir Singh Saluja
4.	Cosmetic Science	Anisha Revankar

FINAL YEAR TOPPER

OVERALL TOPPERS	SCORE
Shruti Kotian	8.55
Mahesh Kurlekar	8.45
Anisha Revankar	8.37

Aavishkar 2023-2024

Category: Medicine And Pharmacy

Sr. No.	Name	Category	Remark
1.	Dr. Bhagyashri Ajit Joshi	Formulation development and Evaluation of Orodispersible films of Chlorpheniramine maleate	
2.	Dr. Rashmi Srivastava	Tridax Heal: The Hydrogel Revolution	
3.	Dr. Vijaya Patil	FreeDerm : Solution for Corn and Callus	
4.	Mrs. Sindhu Menon	Etosome Pain Relief Gel	
5.	Ms. Vrushali Keer	AlphaCure Antidiabetic capsules	
6.	Mrs. Priyanka Joshi Jain	Antibacterial Formulation for the Intimate Area	Undergraduate level
		Formulation of a novel TDDS for improving delivery of high dose of Baclofen	PhD level
7.	Dr. Poonam R. Advani	Eto-P: An Etodolac and Pregabalin transdermal patch for pain relief	
8.	Mrs. Sheeja Koliyote	Anemicure marvel: Formulation for iron delivery	

Category: Humanities, Languages And Fine Arts

1.	Mrs. Aushima Dasari	IronSwift strips	
2.	Dr. Sonali Naik	Dandruff Defense : Herbal hair Revitalizer	
3.	Ms. Vrushali Keer	BioSunSafe Moisturizing Emulgel Sunscreen	
4.	Dr. Rashmi Srivastava	ABULON - Nature's exquisite creation	
5.	Dr. Sonali Naik	SERULATOR: The Hair Serum	

Category: Pure Sciences

1.	Dr. Rashmi Srivastava	Pomease: Coughsoothe films	
2.	Dr. Rashmi Srivastava	GuaKaMisa: A multimodal approach for all the dental issues	Final round
3.	Dr. Bandoo Chatale	Antidandruff Microsponge loaded herbal hair gel	

Aavishkar 2023-2024

4.	Dr. Rashmi Srivastava	Theracure A mask for Burn Wounds	
5.	Dr. Rashmi Srivastava	Novel plant based anti-acne formulation for improved efficacy	Final round
6.	Ms. Sunanda Patil	Phyto-Elemental Ointment: Unveiling the Antifungal Synergy of Potent Compounds.	
7.	Dr. Vijaya Patil	Formulation and evaluation of polyherbal appetizer	

Category: Agriculture and Animal Husbandry

1.	Ms. Manjiri Shinde	FungiFREE- Antifungal herbal gel for Candida albicans	
2.	Dr. Madhura Vaidya	Polyplantain - Sustainable Vet care formulation	
3.	Dr. Vijaya Patil	Herbal Ease Clovinger Veterinary Patch	Final round and State level competition

Campus Winners

CIIA

LIST OF TEAM MEMBERS	MENTORS	TOPIC OF PROJECT
Ms. Daksha Chache Ms. Ankita Panda Ms. Bharvi Patil Mr. Aditya Kathale	Dr. Bandoo chatale	Anti-dandruff hair Gel
Ms. Krushika Soni Mr. Avijeet Baksi	Dr. Vijaya Patil	Theracure: a mask for burn wound healing
Ms. Riya Dsilva Ms. Shraddha Ghollar Mr. Sarans Jain Mr. Aman Surolia.	Dr Madhura Vaidya	Polyplatain: a multipurpose film forming spray
Mr. Shreyas Salame Ms. Gayatri Naik Mr. Pratik Ragi Ms. Vaishnavi Gonjari	Ms. Sheeja Koliyote	Anemicure
Ms. Sapna Jaiswar Ms. Sapna Jaiswar Mr. Pratik Lohade	Ms. Sindhu Menon	Niosomal gel

Publication or Presentations

SR. NO.	NAME	TOPIC	Category
1.	Dr. Rashmi Srivastava	"Identification of phytochemical as potential inhibitor of Sodium-glucose cotransporter-2 using high throughput virtual screening" in the International Conference on Structural biology & Drug Discovery, organised by School of Biotechnology.	Research Publication
2.	Ms. Manjiri Shinde	"Fragment Based Drug Design (FBDD) of an Exemplar Inhibitor Against Spike Glycoprotein of SARS-CoV-2" in Royal Society of Chemistry.	Research Publication
3.	Dr. Bandoo Chatale	"Virtual Screening of Milk Proteins of Risperidone for Taste Improvement; Experimental Validation of Sodium Caseinate Binding by Fluorometry and Taste Assessment by Palatability" in Royal Society of Chemistry.	Research Publication and Presentation
		"Fragment Based Drug Design (FBDD) of an Exemplar Inhibitor Against Spike Glycoprotein of SARS-CoV-2" in Royal Society of Chemistry.	
4.	Mrs. Sheeja Koliyote	"A Recent Review on Synthesis, Characterization and Activities of Gold Nanoparticles using Plant Extracts" in Ind. J. Pharm. Edu. Res. 2023	Research Publication
		"Green Synthesis, Characterization, In Vitro Cytotoxicity and Antioxidant Activity of Stem Extract Mediated Gold Nanoparticles from Tinospora Cordifol" in Ind. J. Pharm. Edu. Res. 2023	
		"Formulation and evaluation of oral Guggulosomes loaded with gold nanoparticles synthesized	Won second prize for poster presentation in 10th world conference

Publication or Presentations

		from hydroalcoholic extract of <i>Tinospora cordifolia</i> Miers”	on Pharmaceutical Science and drug manufacturing organized by association of pharmaceutical research held on 6th-7th July 2023
			Disso India 23, Poster presentation.

Dr. Bhagyashri Joshi Achievement

Ms. Bhagyashri Joshi, Assistant Professor received Doctor of Philosophy (Ph.D.) from Institute of Chemical Technology (ICT) in Pharmaceutics, on 29th August 2023.

Her research project title was 'Drug absorption models for prediction of bioenhancement strategies for poorly permeable drugs'. She has completed her research work under the guidance of Professor Padma V. Devarajan, Dean Research & Innovation, Professor in Pharmacy and former Head, Department of Pharmaceutical Sciences and Technology, ICT.

Having Professor Padma V. Devarajan as a mentor has provided her with invaluable guidance, motivation and support by keeping the research spirit high of her students in difficult times too.

Her acknowledgments to the Trustees of Mumbai Educational Trust, Dr. U.B. Hadkar, Principal Dr. Abha Doshi, Prof. A.B. Pandit, VC, ICT, Prof. Shreerang Joshi, HOD, DPST, as well as the teaching and non-teaching staff of METIOP (Degree) and ICT, colleagues, friends, and family members showcase her gratitude towards those who supported her throughout her journey.

During her Ph.D. tenure, she has published one research paper, two book chapters along with that she has Presented 3 posters in seminars and conferences held at national and international level.



Cultural Competitions

Sr. No.	Occasion	Competitions	Winners	Year	
1.	Independence Day	Slogan competition	1. Nidhi Mishra	TY B.Pharm	
			2. Fatema Kapasi	TY B.Pharm	
			3. Fainy Dedhia	SY B.Pharm	
2.	Naag Panchami	Leaf imprinting competition	1. Jinali Faria	TY B.Pharm	
			2. Chinmayi Kshirsagar	SY B.Pharm	
			3. Omkar Singh	SY B.Pharm	
			3. Aaditi Nijapkar	SY B.Pharm	
3.	Naag Panchami	Photography (Theme: Mumbai Monsoon)	1. Krushika Soni	Final B.Pharm	
			2. Kirti Ramane	SY B.Pharm	
			3. Prachi Chaurasia	Final B.Pharm	
4.	Rakshabandhan	Eco-friendly rakhi competition	1. Sakshi Fulaware	TY B.Pharm	
			2. Mugdha Salvi	Final B.Pharm	
			3. Shristi Shetty	TY B.Pharm	
5.	Sports	Carrom competiton	1. Aniket Khamkar	TY B.Pharm	
			2. Waseel	TY B.Pharm	
			3. Hrishikesh Patil	TY B.Pharm	
	Table Tennis			Boys	
				First	
				1. Aditya Sankpal	SY B.Pharm
				2. Junaid Naik	SY B.Pharm
				Second	
				1. Kunal Jadhav	SY B.Pharm
2. Dhiraj Gupta	SY B.Pharm				

Cultural Competitions

			Girls	
			Shalvee Surve	TY B.Pharm
6.	Krishna Janmashtami	Mandala Art Competition	1. Varsha Choudhary	TY B.Pharm
			2. Pranali Mohite	Final B.Pharm
			3. Smruti Chavan	Final B.Pharm
			Consolation Prize	
			1. Dhanashree Ghodke	Final B.Pharm
			2. Simran Badi	SY B.Pharm
7.	Quiz Competition	Theme - Climate Change	1. SY B.Pharm	
			2. SY B.Pharm	
			3. Final Year B.Pharm	

Department Of Lifelong Learning & Extension

To enhance student employability skills. To cater to the needs of the unreached for promoting knowledge based society. To network with Governmental and Non-governmental agencies, international organizations as well as industries. Students learn team building, leadership skills and also understanding social issues through community programs organized by KJSIT-DLLE. The students are closely associated with social issues. DLLE activity creates a strong networking among the students and the society.

Sr. No.	Date	Name of Activity
1	07/07/2023	Road safety Workshop
2	20/07/2023	University to Industry: Future ready Orientation Seminar
3	29/07/2023	Pre Plantation Drive
4	04/08/2023	Poster Presentation Topic name
5	09/08/2023	Pharmacovigilance Seminar at BCP College, Kalina
6	29/08/2023	Rakhi Making Competition
7	04/09/2023 & 05/09/2023	Blood Donattion
8	09/09/2023	Industrial Visit
9	18/09/2023	E Waste and Plastic Waste
10	16/10/2023 & 20/10/2023	Daanutsav
11	18/11/2023	Beach Cleaning
12	21/11/2023	Plantation Drive
13	09/12/2023 18/12/2023 25/12/2023 15/01/2024	Aavishkar Poster Presentation
14	16/12/2023	Finance Orientation Seminar
15	18/12/2023 & 19/12/2023	Industry Readiness Seminar
16	25/12/2023, 31/01/2024 to 02/04/2024	CIIA Innovation Presentation
17	16/01/2024 20/01/2024	School Awareness Visit
18	29/12/2023	Article Writing competition on Genomics
19	08/01/2024	Meeting with Field Coordinator
20	13/01/2024	Water Conservation Quiz
21	20/01/2024	Project Report Writing

Green Club Activities

Green Club Activities

Sr. No.	Event	Date
1	Green Club Establishment	22/08/2023
2	Leaf Imprinting	17/08/2023
3	Beach clean-up activity	02/09/2023
4	Eco-friendly rakhi making	29/08/2023
5	Eco-friendly ganpati making	18/09/2023
6	E-waste collection drive	20/09/2023
7	Plastic waste collection drive	18/09/2023
8	Tea plantation drive (400 saplings)	30/09/2023
9	Clothes collection drive	21/10/2023
10	Plants watering (1500 plants)	21/11/2023
11	Eco-friendly diya decoration and donation	08/11/2023
12	Competition on theme based climate change rangoli making	10/11/2023
13	Mahim beach clean-up activity	18/11/2023
14	Water conservation and management offline quiz competition	13/01/2024
15	Save mangrooves seminar	18/01/2024

DIVING INTO THE WORLD OF PHARMACOGENOMICS

In a context where many face barriers to healthcare, pharmacogenomics holds significant promise. Studying how genomic profiles influence drug responses, has the potential to revolutionize medicine, bridge health disparities, address neglected diseases, and develop novel drugs. Realizing this potential requires global efforts in development, application, and support through public funding and policy making.

Evidence strongly suggests that variations in approximately 20 genes can impact responses to over 60 drugs. Various approaches for pharmacogenomics testing, including broad panel testing and targeted single-gene testing, have been documented. However, clinicians encounter difficulties in interpreting clinical evidence, and institutions grapple with establishing the necessary infrastructure to store lifelong relevant genome information. Indeed the level of evidence showing significant clinical benefit for patients treated according to pharmacogenomics guidelines compared with treatment as usual is decisive for the acceptance of pharmacogenomics as an indispensable factor in health care systems. However, there are many factors to be considered before pharmacogenomics can be implemented. Afford ability, social/cultural/political acceptance, Ability to handle the local burden, implementation and much more.

The current economic world order is based on principles of globalization that have made it possible for pharmaceutical companies and their shareholders to become extremely prosperous. Pharmacogenomics technologies can contribute to shifting the pharmaceutical industry from its traditional model of drug development towards a more personalized and preventive approach. However, given the complexity of genomic information and the still early stage of development of most pharmacogenomics technologies, caution is needed when considering the best way to integrate these technologies into the drug development process. In some cases, pharmacogenomics drugs may be a "luxury" given other pressing health needs and the existence of more proven and effective public health interventions. But it is in the development of drugs that are better suited to the specific needs and realities of developing world populations that we see that pharmacogenomics technologies are crucial.

Aaditya Sapkal
S.Y.B.Pharm

ROLE OF PHARMACOGENOMICS IN PERSONALIZED MEDICINE – IMPLICATIONS FOR PHARMACY PRACTICE

Pharmacogenomics refers to study of variability in drug response due to multiple genes within a genome, with aim of “Right Medicine for the Right Patient”. It is aimed at developing drugs targeting specific genotype, also prescribing existing drugs tailored to specific genotypes. Pharmacogenomics helps in predicting the effectiveness of treatment including dose of drug. Genetic makeup plays vital role in both pharmacodynamics, affecting receptors, ion channels, enzymes, etc., and pharmacokinetics, affecting transporter proteins, metabolism, etc. Thus it becomes very important to study genetic makeup of an individual for patient safety and drug efficacy. Few examples being, presence of atypical pseudocholinesterase slowly hydrolyses Succinyl choline which leads to increased time required for termination of action leading to respiratory failure in such individuals. Slow hydroxylation of phenytoin leads to phenytoin toxicity in slow hydroxylators. In person with G-6-PD deficiency in RBCs drugs having high oxidising properties like Sulphonamides and many Anti-malarial drugs cause hemolysis of RBCs. Clopidogrel gets bioactivated by CYP2C19 enzyme. Genetic differences in CYP2C19 enzyme function leads to decreased formation of active metabolite leading to diminished anti-platelet activity which is not compensated by altered dosing. Thus knowing genetic makeup in individuals helps us take better approach towards a particular treatment.

Pratham Shah
T.Y.B.Pharm

EMERGING TECHNOLOGIES IN PHARMACOGENOMICS

In the bustling world of healthcare, a silent revolution is brewing - one that promises to tailor treatments to your unique genetic makeup. Pharmacogenomics, the fusion of genetics and drug response, is hurtling toward a future where precision medicine is not just a concept but a reality, thanks to cutting-edge technologies. Imagine this: You stroll into a pharmacy, armed not just with a prescription but with your genetic report. The pharmacist, armed with futuristic tools, swiftly deciphers your DNA blueprint. Within moments, they hand you a medication perfectly attuned to your genetic quirks, minimizing side effects and maximizing efficacy. How is this magic possible?

Enter Next-Generation Sequencing (NGS), a powerhouse that decodes your entire genetic sequence like a spellbinding storybook. It's akin to fitting puzzle pieces, identifying genetic variations that dictate how your body responds to drugs. That headache pill that works like a charm for your friend but barely touches your pain? With NGS, that mystery becomes a thing of the past. And then there's CRISPR-Cas9, the superhero of genome editing. Picture this: scientists wielding microscopic tools, swooping into your genetic blueprint to fix glitches that affect your drug responses. It's akin to repairing a typo in an ancient manuscript, only here, the manuscript is your DNA, and the edit could mean the difference between a medicine working wonders or causing havoc. But it's not just about zooming into the big picture; it's the microscopic dance within your cells. Single-cell sequencing, a marvel in itself, is unraveling the secrets of how different cells react to drugs. It's like listening to a symphony and discerning each instrument's unique melody. This microscopic view could unlock tailored treatments for each cell type, revolutionizing how we approach medications.

These advancements aren't confined to labs; they're seamlessly integrating with everyday life. Imagine an app using AI, analyzing your genetic data and predicting your response to medications, guiding your healthcare decisions like a knowledgeable companion. In this exciting frontier, the convergence of technology and medicine promises a future where treatments are as unique as you are, where illnesses are tackled precisely, and where healthcare transcends the one-size-fits-all approach. Welcome to the dawn of a new age—where medicine isn't just about healing; it's about understanding the intricate symphony of your genes and crafting a melody of health tailored just for you.

Sakshi P. Ghuge
S.Y. B.Pharm

PHARMACOGENOMICS : GENOME TO PRESCRIPTION

Pharmacogenomics is a rapidly evolving field that combines the study of genetics with the science of drug therapy. It focuses on understanding how an individual's unique genetic makeup affects their response to medications, allowing for personalized medicine and more effective treatment outcomes. With the advancement of technologies, such as next-generation sequencing and bioinformatics, pharmacogenomics has the potential to revolutionize healthcare by improving drug safety, efficacy, and cost-effectiveness.

In today's era of precision medicine, the field of pharmacogenomics plays a crucial role in tailoring treatments to individual patients. The ability to understand how an individual's genetic makeup influences their response to medications allows for more personalized and targeted therapies.

One of the key benefits of pharmacogenomics is the potential to improve medication safety. By identifying genetic variations that can lead to adverse drug reactions, healthcare providers can make informed decisions about which medications to prescribe and at what dosages. This proactive approach helps prevent serious side effects and minimize the risk of ineffective treatments.

One area where pharmacogenomics is making a significant impact is in the field of psychiatry. Mental health conditions often require a trial-and-error approach to find the most effective medication. However, by analyzing a patient's genetic profile, psychiatrists can identify which medications are more likely to be effective and avoid those that may cause adverse reactions.

In conclusion, pharmacogenomics has the potential to revolutionize patient care by providing personalized and precise treatment options based on an individual's genetic makeup. The advancements in technology, such as high-throughput sequencing, electronic health records, data analytics, and bioinformatics tools, have paved the way for the integration of pharmacogenomic information into clinical practice.

Utkarsha Ingale
Final Year B.Pharm

PHARMACOGENOMICS: DECODING PERSONALIZED MEDICINE

The field of pharmacy is dynamic as ever. With the varied innovations and new discoveries novel terms like pharmacogenomics, pharmacovigilance and bioinformatics have surfaced the industry. The term pharmacogenomics is the study of how genes affect the response of drugs.

Since high school we have been aware that genes are considered as the building blocks of life. They form the molecular skeleton for life. Even if all the humans belonging to the Homo sapiens species constitute about 23 pairs of homologous chromosomes, they still bear 0.001 percent of genetic variation. The major causes for the variations to occur is because we receive one pair from maternal chromosomes and the other one from paternal. Also, factors like structural variations like insertion, duplication, inversion, deletion etc contribute to such variations. We all might wonder what are the possible outcomes for such genetic variations. The genetic makeup determines and alters parameters like drug receptors, drug uptake, drug metabolism etc. It affects all the pharmacokinetic parameters and therefore results in altered drug response.

Furthermore the question that arises is why do we need to develop and tailor treatments if the variation is of such a miniscule scale. Well, the benefit of pharmacogenomics is that it can improve your health by helping you know ahead of time whether a drug is likely to benefit you and be safe for you to take. Knowing this information can help the physician find medicine that will work best for the patient. It is a method of precision medicine and hence is rampant in today's times. Some drugs that are used for pharmacogenetic studies are Carbamazepine, Metoprolol, Abacavir, Azathioprine, Mercaptopurine etc.

To conclude I would say that in the realm of modern medicine, the advent of pharmacogenomics heralds a paradigm shift towards precision and individualized healthcare. By unraveling the intricate interplay between genes and drug responses, this field equips us with the tools to optimize treatments, ensuring safer and more effective therapies tailored to each person's unique genetic makeup. Embracing pharmacogenomics is not just a leap forward in medicine; it's a stride towards a future where treatments are finely tuned to fit the individual.

Sakshi Prabhu
Final Year B.Pharm

PHARMACOGENOMICS IN PSYCHIATRY: CUSTOMIZING PSYCHOTROPIC MEDICATIONS FOR INDIVIDUALS

Pharmacogenomics, the application of genomic information to medicine, is revolutionizing the field of psychiatry by allowing for the customization of psychotropic medications tailored to individual genetic profiles. By understanding how genetic variations affect drug interactions and response, healthcare professionals can optimize treatment plans for patients, minimizing side effects and maximizing efficacy.

In psychiatry, pharmacogenomics has been particularly beneficial in managing depression. Studies have demonstrated that pharmacogenetic tests can predict depressive symptom remission, leading to improved patient outcomes and reduced hospital admissions. Psychiatric associations increasingly recognize pharmacogenomic testing as a first-line precision approach for conditions such as bipolar disorder and schizophrenia. With the reduction in costs and expansion in availability, thanks to companies like Translational Software and Celtic Diagnostic, the selection of safer and more effective psychotropics based on heritable pharmacology is becoming a standard part of patient care. This shift from speculative prescribing to evidence-driven therapeutics represents a fundamental transformation in patient pathways. Pharmacogenomics is set to revolutionize psychiatry by providing a means to personalize treatment plans, addressing the significant issues of ineffective or adverse medication reactions that outbreak 30-60% of patients with psychotic and depressive disorders. By decoding the genetic foundations of drug response inconsistency, we can avoid the trial-and-error approach often associated with psychiatric medication therapy.

The potential of pharmacogenomics in psychiatry extends beyond improving patient care. It also has implications for the economic aspects of healthcare, such as reducing unnecessary hospital admissions and optimizing medication costs. As the field continues to grow, pharmacogenomics will likely become a cornerstone of personalized medicine, offering hope for more effective and less harmful treatments for psychiatric disorders.

Khushi Kanujia
S.Y.B.Pharm

PHARMACOGENOMICS AND CRISPR: FORGING A FUTURE OF PERSONALIZED MEDICINE

Pharmacogenomics, which delves into the entirety of an organism's DNA, stands at the forefront of a groundbreaking era. The emergence of Precision Pharmacogenomic Medicine signifies a paradigm shift in healthcare, moving from generalized treatments to precisely tailored interventions. Unraveling the intricate details of an individual's genetic code empowers predictive medicine, optimizing drug therapies to a granular level and minimizing potential side effects. This transformative landscape holds the potential to usher in a new age of pharmaceutical care, where each medicinal approach is uniquely crafted based on the nuances of a person's genomic blueprint.

Integrating CRISPR technology into pharmacogenomics adds an extra layer of precision. CRISPR, a genome-editing marvel, allows for the targeted modification of specific genes, offering unprecedented possibilities for tailoring drug responses. This synergy between pharmacogenomics and CRISPR presents an exciting frontier in personalized medicine, promising not only optimized drug therapies but also the potential to correct disease-causing mutations at the genetic level. As we navigate this pharmacogenomic and CRISPR frontier, the promise of more effective and precise treatments is juxtaposed with ethical dilemmas. The responsible integration of precision medicine, pharmacogenomics, CRISPR technology, synthetic biology, big data analytics, and epigenomics is paramount. This delicate balance ensures that scientific curiosity doesn't outpace ethical considerations, fostering a future where pharmacogenomics and CRISPR contribute to improved health while respecting the boundaries of responsible innovation.

In traversing this pharmacogenomic and CRISPR frontier, the prospect of enhanced therapeutic outcomes is counterbalanced by ethical quandaries. It is crucial to thoughtfully incorporate precision medicine, pharmacogenomics, CRISPR technology, synthetic biology, big data analytics, and epigenomics. Striking this intricate equilibrium ensures that our pursuit of pharmaceutical knowledge and genome editing doesn't precede ethical reflection, nurturing a future where pharmacogenomics and CRISPR advance drug efficacy and genetic interventions while staying within the confines of responsible innovation.

Vedika Pimple
Final Year B. Pharm

LEGAL AND ETHICAL ASPECTS OF PHARMACOGENOMICS

Pharmacogenomics is defined as the study of how genetic variation in drug-metabolizing enzymes, receptors, transporters, and targets contribute to phenotypic variation in drug response, such as toxicity or decreased effectiveness. There are 3 general ways in which pharmacogenomics is clinically applied: using drugs to treat diseases that are genetically inherited, using genetic information to determine the safety and efficacy of drugs in certain individuals (risk assessment), and designing a drug regimen based on a patient's metabolic enzyme activity. Much of the current focus of pharmacogenomics, and perhaps most of the future, is on the third application.

Individuals who undergo pharmacogenomic testing may be vulnerable to genetic discrimination, which refers to one being treated differently based on genetic information. In a survey to health care professionals regarding different ways genetic information could be used by health insurers for genetic discrimination, the following items were suggested: (1) justify a refusal of therapy for pharmacoeconomic reasons, (2) create treatment guidelines, (3) set co-pay amounts for coverage, and (4) determine premiums. In pharmacogenomic research, obtaining informed consent poses ethical challenges, particularly due to the lack of standardized practices for disclosing genetic information use. Whether focusing on specific polymorphisms or entire genomes, patients may provide more genetic information than necessary, necessitating clear disclosure guidelines. Obtaining consent, especially with pediatric patients, is complicated by a limited understanding of the benefits and risks associated with genetic information provision.

Understanding genetic information rights is crucial to prevent genetic discrimination. Education is key, and the effectiveness of laws depends on general knowledge. Pharmacists, as drug experts and leaders in pharmacogenomics, can significantly contribute by educating patients about genetic aspects in drug therapy, the associated benefits, and the protective laws in place.

Priyanka Singh
T.Y BPharm

REVOLUTIONIZING PHARMACY PRACTICE: THE RISE OF TELEPHARMACY

In recent years, the pharmacy sector has undergone a radical transformation with the introduction of telepharmacy—an innovative, virtual approach to delivering pharmaceutical services that leverages technology to redefine the landscape of patient care. This paradigm shift is dismantling entrenched barriers, providing unprecedented access to pharmaceutical knowledge and services that were previously out of reach. The advent of telepharmacy represents a revolutionary change reshaping the traditional dynamics of patient-pharmacist interactions. This progressive model embraces technology to bridge geographical gaps, revolutionizing the way pharmaceutical expertise is delivered. Doing so ensures that individuals, regardless of their location, can now tap into the wealth of pharmaceutical knowledge and receive vital services remotely.

The transformative potential of telepharmacy in expanding access to pharmaceutical services, particularly in underserved regions, is underscored in the study published in the National Center for Biotechnology Information (NCBI). The virtual approach overcomes geographical constraints, ensuring patients receive professional advice and medication management from any location. This shift is particularly impactful in areas lacking physical pharmacies. Emphasizing increased patient convenience, telepharmacy facilitates home consultations, eliminating travel requirements and aligning seamlessly with the patient-centred trend in healthcare towards more individualised services.

This emerges as a remedy for healthcare disparities, particularly in remote or underserved areas, offering remote access to essential pharmaceutical services. Its evolution, traced from early Australia's Royal Flying Doctor Service in 1942 to the sophisticated North Dakota telepharmacy project in the early 2000s, underscores its potential to revolutionize healthcare delivery. However, regulatory challenges, primarily in the United States, hinder its widespread adoption, with 23 states having telepharmacy laws that vary, prompting efforts by organizations like ASHP and NABP to standardize regulations. In Europe, a lack of consistency in telemedicine rules among member states complicates its integration. Despite potential financial benefits, obstacles include technological infrastructure gaps, concerns about data security, financial strains on smaller healthcare facilities, and skepticism from both consumers and practitioners, presenting hurdles to the broader implementation of telepharmacy.

In conclusion, the implementation of telepharmacy emerges as a practical solution to address the persistent issue of pharmacist shortages, particularly crucial in ensuring robust pharmaceutical support in underserved areas. However, the successful integration and widespread acceptance of telepharmacy present a multifaceted challenge that necessitates collaborative efforts from various stakeholders. This includes active participation from scientific institutions and academia, as well as fostering partnerships between the public and private sectors. The imperative for a coordinated team approach becomes evident, emphasizing the significance of collective engagement to harness the full potential of telepharmacy. This cooperative strategy is essential to not only bridge healthcare gaps but also enhance pharmaceutical services, especially in regions grappling with a scarcity of pharmacists.

Nidhi Mishra
T.Y.B.Pharm

JOURNEY THROUGH ONCOLOGY: UNDERSTANDING CANCER, TREATMENT FRONTIERS, AND SURVIVORSHIP

Cancer as we know is a life-threatening condition which involves a group of diseases involving abnormal cell growth. It is called life-threatening because these diseases have the possibility of being malignant and thus, causing harm, suffering or distress to the patient. Cancer can invade or spread to other parts of the body and causes destruction of the cells of the body.

Millions of people every day suffer from the symptoms of cancer. When cancer begins it produces no symptoms, they appear when the gradually grows. Early detection of cancer is crucial for successful treatment and improved outcomes. This can be done by regular screening tests. Although it is not feasible to get them every day, a monthly check up should be done to ensure early detection of the tumor.

Cancer cannot be fully treated but it can be somewhat cured so that it provides the patient with a few more days of survival. This is possible through oncology. Oncology is a branch of medicine that deals with the study, treatment, diagnosis and prevention of cancer. A medical professional who practices oncology is an oncologist. Oncology is a mixture of various important procedures these include diagnosis [pathology], therapy, follow up of the cancer patients, palliative care and ethical questions surrounding cancer care for research purposes.

Beating cancer is an achievement for the patient in various aspects. It makes all the hardships suffered by the patient worth it. But beating cancer is only the first step in its treatment. Many cancer patients will die from the disease, and a significant proportion of patients with incurable cancer will die of other causes. There may be ongoing issues with symptom control associated with progressive cancer, and with the treatment of the disease. These problems may include pain, nausea, anorexia, fatigue, immobility, and depression. Not all issues are strictly physical: personal dignity may be affected. Hence, proper palliative care of the patient must be taken since this is the most crucial healing phase of the patient and proper care during this phase can help the patient mentally and physically.

Huzaiifa Lokhandwala
F.Y.B.Pharm

CAR T-CELL THERAPY: TARGETING CANCER CELLS THROUGH ENGINEERED T CELLS

Immunotherapy is reshaping cancer treatment by surpassing traditional therapies in various cancer types such as melanoma and lung cancer, leading to remarkable results. Recent advancements in cancer biology and immunotherapy, particularly in identifying various immunosuppressive pathways, have significantly contributed to this immunotherapeutic revolution. Unlike traditional treatments like chemotherapy, cancer immunotherapy aims to stimulate antitumor immune responses with fewer side effects, marking a substantial shift in cancer treatment strategies.

In cancer immunotherapy, therapeutic agents are employed to enhance or bolster the innate capacity of the immune system to eradicate cancer cells. One such therapy is CAR T-cell therapy which has also garnered excitement among researchers and oncologists. Although not as prevalent as checkpoint inhibitors, CAR T-cell therapy has demonstrated the capacity to eliminate advanced leukemias and lymphomas and maintain cancer remission for extended periods.

T cells play a pivotal role in CAR T-cell therapy by orchestrating immune responses and directly eliminating infected cells. CARs, consist of both extracellular and intracellular components. The extracellular part, typically constructed from synthetic antibody fragments, determines the CAR's ability to recognize and bind to tumor antigens. Meanwhile, the intracellular portion contains signaling and co-stimulatory domains, which transmit signals upon antigen interaction, influencing the overall function of the cells. These therapies are personalized for each patient, involving the collection of T cells, their modification in the lab to express chimeric antigen receptors (CARs), which recognize specific cancer cell proteins. These engineered T cells are then multiplied and reinfused into the patient, where they aim to target and destroy cancer cells bearing the antigen. FDA-approved CAR T-cell therapies currently focus on CD19 or BCMA antigens on B cells.

CAR T-cell therapies have revolutionized cancer treatment. However, obstacles remain, particularly in treating solid tumors, due to factors such as tumor heterogeneity and the suppressive tumor microenvironment. Researchers are actively exploring strategies to overcome these challenges, including the development of "armored" CAR T cells capable of navigating the hostile tumor microenvironment. Additionally, gene-editing tools like CRISPR are being investigated to enhance CAR T cell efficacy, alongside innovative delivery methods such as nanotechnology and mRNA-based approaches. Despite challenges, combining multiple therapies with improved delivery technologies holds promise for effective clinical translation. The ability to adapt swiftly underscores the importance of ongoing innovation in cellular therapies.

Rishika Potam
T.Y.B.Pharm

बादल

रुई के फाहों की तरह,
वो इधर उधर मंडरा रहे थे।
हजारों बूंदों को ले के,
गगन पर छा रहे थे।।१।।

कोई छोटा, कोई बड़ा था,
सबको अपने में समाते जा रहे थे।
मीलों तक रुई के ये फाहे,
मनोरम दृश्य बना रहे थे ।।२।।

प्रकृति का वरदान लिए,
अति सुंदर ये नज़ारे थे ।
इन्हीं में कहीं भगवान होगा,
अपने को ये विश्वास दिला रहे थे ।।३।।

इतना सुंदर था ये मंज़र,
मन देख उनको झूम रहा था ।
धिनक धिन धिन, धिनक धिन धिन
मोरों की तरह नाच रहा था ।।४।।

Dr. Abha Doshi

Principal

पाखरे

झेपावतो निळ्या अंबरात पाखरांचा थवा.
विहंगम दृश्य गगनात, वाटे खगांचा हेवा.॥१॥
विशाल निळ्या शालीवरती नक्षी विविध रंगांची.
चिवचिवाट चिऊताईचा, कावकाव कावळ्यांची.॥२॥
उंच ताना मारे कोकीळ, सुतारपक्षी देई ताल.
कोंबड्यांच्या आरवण्याने सूरमयी होते सोन सकाळ.॥३॥
वात तरंग भेदत उडे तीक्ष्ण नयना घर
जलतरंग छेडत चाले हंस रुबाबदार.॥४॥
आडोशाला स्वर गुंजती गुटूर गुम गुटूर गुम
हिरवाकंच शुक खाई दाणे कुडुम कुडुम.॥५॥
वृक्षवल्ली असे जयाचे घर, अवकाशात करतो भ्रमण.
बंदिस्त करतो मानव तयाला
देऊन सोन्याचे कोंदण.॥६॥

सोनाली घाटपांडे नाईक

Dr. Sonali Naik
Faculty

FRAGMENTS OF TRUST

I do remember that day
when the only thing I wanted was for them to stay
I felt like I was being choked the only thing they did to me was to broke

I crowned them with mace
Without identifying their real face
I don't know how long I can Chase
My messed-up mind was not ready to come out of that phase

When I needed them the most
They were busy on insta to post
I did everything from the clutch
In return to listen 'Who asked you to do so much'

I tried my best to hold back Figured out everything which I could lack
But sometimes you just need to understand
All what happened was not in your hand

It was meant to be forever and ever
But they just keep it till their favor
I just hope I can move on
Accept and rise from the fact that they have gone

I do remember that day
when the only thing I wanted was for them to stay

Gauri Chandak
F.Y.B.Pharm

MIDNIGHT WHIMPERS

I don't know where am I
Just lost in my own world of joy
I can't explain what I feel Everyday seems like today I am having my last meal.

Everything seems like new
My friends have also reduced to few
I do feel like I need Someone
Who can light me up like none

It's 2 am, I am still binge watching
I don't know what tomorrow I would be hatching.
Everyone thinks I am like a gift wrap whom they can open with their cheap traps.

I am feeling stressed & having anxiety
I am done with this judgmental society
I want to run far away from this messy life
Where every word seems like a knife

Who is right I can't decide Every one's words seemed like they have lied
I just want to know where am I?
Don't want to get lost in my own world of joy

Gauri Chandak
F.Y.B.Pharm

Photographs



Gauri Chandak - F.Y.B.Pharm



Khan Mohd Monishuddin - T.Y.B.Pharm



Khushi Kanujia - S.Y.B.Pharm

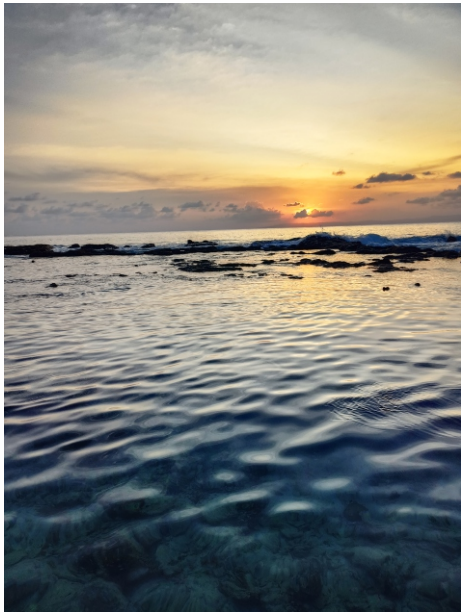


Khan Mohd Monishuddin - T.Y.B.Pharm

Photographs



Kirti Ramane - S.Y.B.Pharm



Manjiri Shinde - Faculty



Khushi Kanujia - S.Y.B.Pharm

Photographs



Kirti Ramane - S.Y.B.Pharm



Komal Galande - F.Y.B.Pharm



Chauhan Yatish - T.Y.B.Pharm



Poonam Advani - Faculty

Class Photoshoot



First Year



Second Year

Class Photoshoot



Third Year



Final Year

Class Photoshoot



DLLE



Green Club

Cherish Keepsakes



Cherish Keepsakes



Cherish Keepsakes



List of Committees 2023-24

1. Governing Body:

Mr. Pankaj Bhujbal, Dr. Abha Doshi (Member Secretary), Mr. Pramod Naik (DTE Nominee), Dr. Rita Lala (Educational expert), Ms. Prachi Bhagat (Industry Expert), Dr. Poonam Advani, Dr. Rashmi Srivastava and Dr. Vijaya Patil

2. Purchase Committee:

Ms. Vrushali Keer, Dr. Abha Doshi, Ms. Bhagyashri Joshi, Mr. Sanjay Katkar, Mr. Ghanshyam Kambli.

3. Library Committee:

Ms. Sindhu Menon, Ms. Priyanka Jain., Ms. Manisha Barve

4. Discipline Committee:

Dr. Rashmi Srivastava, Ms. Sindhu Menon, Ms. Manjiri Shinde, Mr. Pramod Karbhari, Mr. Ghanshyam Kambli.

5. Anti-ragging Committee:

Dr. Badoo Chatale, Ms Sheeja Koliyote, Ms. Asavari Hadkar, Mr. Sunil Mohite.

6. Seminar Committee:

Dr. Rashmi Srivastava, Dr. Sonali Naik, Ms. Priyanka Joshi Jain

7. Examination Committee:

Dr. Rashmi Srivastava, Dr. Poonam Advani, Dr. Vijaya Patil, Dr. Madhura Vaidya, , Mrs. Sneha Kokate

8. Alumni Committee:

Ms. Sheeja Koliyote, Ms. Bhagyashri Joshi, Dr. Vijaya Patil, Ms. Priyanka Jain, Mrs. Sneha Kokate, Mr. Gurunath Pednekar.

9. Cultural Committee:

Ms. Aushima Dasari, Ms Manjiri Shinde, Mr. Gurunath Pednekar, Mr. Mahendra Surve

10. Social Awareness Committee:

Dr. Vijaya Patil, Ms. Sindhu Menon, , Ms. Manjiri Shinde, Mr. Yuvraj Thakare, Mr. Gurunath Pednekar.

11. Gender Sensitization Committee:

Dr. Badoo Chatale, Ms. Aushima Dasari, Dr. Sonali Naik.

12. Women's Grievances Committee:

Ms. Aushima Dasari, Dr. Poonam Advani, Ms. Priyanka Jain

13. Grievance Redressal Committee:

Dr. Rashmi Srivastava, Dr. Abha Doshi, Dr. Sonali Naik, Ms. Priya Sawant, Ms. Anuja Saha (NGO), Ms. Neela Nair (OMBUDSMAN)

14. Internal complaint committee/ Internal Compliance committee (as Per UoM)

Dr. Abha Doshi, , Dr. Rashmi Srivastava, Dr. Poonam Advani, Ms. Manjiri Shinde

15. Placement Committee:

Ms. Priyanka Jain, Ms. Bhagyashri Joshi, Ms. Aushima Dasari.

List of Committees 2023-24

16. Animal ethics Committee:

Ms. Sunanda Patil, Dr. Bandoo Chatale, Mr. Dattaram Bhure

17. Industry Institute Partnership Cell/ Institution Industrial Cell:

Ms. Bhagyashri Joshi, Dr. Abha Doshi, Ms. Sheeja Koliyote, Ms. Prachi Bhagat, Mr. Krutin Chaturvedi, Mr. Vaibhav Jain, Ms. Kirtida Desai, Ms. Dipti Samant

18. Academic Advisory Committee:

Ms. Priyanka Jain, Dr. Abha Doshi, Dr. Arati Prabhu, Dr. Sonali Naik, Dr. Rashmi Srivastava

19. SC/ST committee & Anti-discrimination Committee:

Dr. Sonali Naik, Dr. Rashmi Srivastava, Dr. Bandoo Chatale, Mr. Sunil Mohite

20. Internal Quality Assurance Cell:

Ms. Sheeja Koliyote, Dr. Sonali Naik, Ms. Bhagyashri Joshi, Ms. Ashwini Pawar

21. Innovation cell/ Journal Club:

Ms. Vrushali Keer, Dr. Vijaya Patil, Dr. Madhura Vaidya

22. Intellectual Property Rights Cell:

Ms. Bhagyashri Joshi, Ms. Sheeja Koliyote, Ms. Aushima Dasari

23. Social Media Cell:

Ms. Sindhu Menon, Ms. Vrushali Keer, Ms. Aushima Dasari,

24. College Development Committee:

Mr. Pankaj Bhujbal, Dr. Madhura Vaidya, Dr. Vijaya Patil, Dr. Abha Doshi, Dr. Rashmi Srivastava, Ms. Sheeja Koliyote, Mr. Yuvraj Thakare, Mr. Pranav Bhagat (Industry Alumnus), Mr. Sagar Rawool (from Education) Dr. Nirmla Joshi (from Social service), Dr. Mrinal Sanaye (from Research), Ms. Sachi Parab (Student representative)

25. EBC Cell:

Dr. Abha Doshi, Mrs. Sneha Kokate, Dr. Sonali Naik, Dr. Bandoo Chatale

26. Unfair Means Enquiry Committee:

Dr. Rashmi Srivastava, Ms. Manjiri Shinde

27. Program Committee:

Dr. Abha Doshi, Dr. Rashmi Srivastava, Dr. Poonam Advani, Dr. Madhura Vaidya, Ms. Sheeja Koliyote

28. DLLE:

Dr. Vijaya Patil, Ms. Vrushali Keer, Ms. Sindhu Menon

29. Green Club

Dr. Vijaya Patil, Ms. Manjiri Shinde, Ms. Sunanda Patil

Special Thanks to:

We truly are grateful to the following members for helping and guiding us through.

MET MARCOM DEPARTMENT: Mr. Ashish Srivastava, Mr. Vipin Singh & Team

MET IOP (Degree): Dr. Abha Doshi, Ms. Manjiri Shinde, Mrs. Aushima Dasari, Ms. Kimaya Palav, Ms. Priyanka Singh, Mr. Pratham Panjwani, Ms. Kirti Ramane, Ms. Khushi Kanujia, Mr. Pednekar Mr. Surve. Last but not the least our faculty members, Student council and METIOPions for their contribution and support.

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AS SHARP AS YOU CAN GET



MET Institute of Pharmacy (Degree)
Bhujbal Knowledge City
Bandra Reclamation, Bandra (W), Mumbai 400 050.
Tel: (+91 22) 2644 0446
email: communications@met.edu | www.met.edu

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