

NAV   
**Aushadheya**  
Pharma Vision 21st Century 2022-23

**H** Health  
**G** through AN UNFORTUNATE EVENT  
**D** Pharmacy **S**



**TECHNOCRATS INSTITUTE  
OF TECHNOLOGY-PHARMACY**





10<sup>th</sup> May 2023  
**Placements 2022 & 23**  
**3,118 Placements | 406 Companies**  
 including **1,610** Selections in  
 TCS 128 Infosys 31 ggemini 71 59

His Excellency Shri Mangubhai Patel Ji, Hon'ble Governor of Madhya Pradesh & Shri Faggan Singh Kulaste Ji, Hon'ble Union Minister of State for Rural Development and Steel, Govt. of India as Chief Guests on "Placement Day- 2023" at Technocrats Campus



Shri Dr.Mohan Yadav Ji, Hon'ble Minister of Higher Education, Govt. of M.P. as Chief Guest on "Placement Achievers" & Annual Day- 2023" at Technocrats Campus



Placement Day Felicitation by Smt. Anandiben Patel Ji, Hon'ble Governor of Madhya Pradesh & Uttar Pradesh of Smt. Sadhana Karsoliya, Chairperson-Technocrats Group



"Best Engineering Institute in Central India Award" Awarded by Smt. Smriti Irani Ji, Hon'ble Minister of Women & Child Development, Govt. of India



"Highest Placements & Best Academics Award - 2022" Awarded by Shri Anurag Thakur Ji, Hon'ble Minister of Sports, Youth Affairs and Minister of Information and Broadcasting, Govt. of India



"Highest Placement in Central India Award" Awarded by Shri Shivraj Singh Chouhan Ji, Hon'ble Chief Minister of Madhya Pradesh

# *Vision of Institution*

To grow as an institute of excellence for Pharmacy Education and Research and to serve the humanity by sowing the seeds of intellectual, cultural, ethical, and humane sensitivities in the students to develop a scientific temper, and to promote professional and technological expertise.

# *Mission of Institution*

M 1: To inculcate ethical, moral, cultural and professional values in students.

M 2: To provide state of art infrastructure facilities to the staff and students so as to enable them to learn latest technological advancements.

M 3: State of art learning of professionalism by the faculty and students.

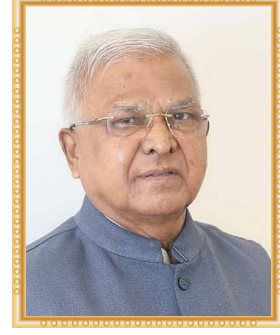
M 4: To produce well learned, devoted and proficient pharmacists.

M 5: To make the students competent to meet the professional challenges of future.

M 6: To develop entrepreneurship qualities and abilities in the students.



राजभवन  
भोपाल- 462052



**श्री मंगूभाई छगनभाई पटेल**  
राज्यपाल

## *Message*

मुझे यह जानकर प्रासन्नता हो रही है कि टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी-फार्मेसी भोपाल द्वारा वार्षिक पत्रिका “नव औषधीय -2022-23” का प्रकाशन किया जा रहा है।

शिक्षण संस्थाओं द्वारा पत्रिका का प्रकाशन विद्यार्थियों के लिए विचारों व भावों को अभिव्यक्त करने का सशक्त माध्यम है। इस प्रकार की पत्रिकाएं विद्यार्थियों को निखारने में सहायक होती है। मुझे आशा है कि पत्रिका में देशप्रेम और चरित्र निर्माण जैसे विभिन्न पहलुओं से संबंधित पठनीय सामग्री का समावेश किया जायेगा जिससे देश में ज़िम्मेदार युवा पीढ़ी का निर्माण सुनिश्चित हो सकेगा।

शुभकामनाएं।

**श्री मंगूभाई छगनभाई पटेल**





शिवराज सिंह चौहान  
मुख्यमंत्री

## Message

प्रसन्नता का विषय है कि टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी-फार्मैसी भोपाल द्वारा वार्षिक पत्रिका “नव औषधीय-2022-23” का प्रकाशन किया जा रहा है।

तकनीकी शिक्षा प्राप्त कर रहे विद्यार्थियों की सृजनात्मक अभिव्यक्ति के लिये पत्रिका का प्रकाशन एक सराहनीय प्रयास है। साहित्य, संस्कृति और भाषा के ज्ञान के साथ-साथ यांत्रिकी वातावरण को सरस व समरस बनाने में भी इस तरह की पत्रिकाओं का महत्वपूर्ण योगदान होता है।

आशा है, पत्रिका ‘नव औषधीय -2023’ महाविद्यालय परिवार के विचारों की संवाहक बनकर उपयोगी व महत्वपूर्ण दस्तावेज बनेगी।

हार्दिक शुभकामनाओं सहित।

शिवराज सिंह चौहान



# Message



**Smt. Yashodhara Raje Scindia**  
Minister of Technical Education M.P.

I am delighted to learn that Technocrats Institute of Technology-Pharmacy Bhopal is publishing its college magazine “NAV AUSHADHEYA 2022-23”.

I appreciate the efforts and hope this will create healthy as well as innovative atmosphere among the institution’s beneficiaries, especially the youth joining the educational field.

This reputed institution has done a commendable job by imparting quality education in the field of Technical Education. By doing this it has greatly helped the youth of the state to catch up with time and excel in their respective fields.

With all my warm greeting I wish them all good luck and send my congratulations to the Management and the editorial team.

**Smt. Yashodhara Raje Scindia**  
Minister of Technical Education M.P.





प्रो. (डॉ.) वीरेन्द्र कुमार  
संचालक

## Message

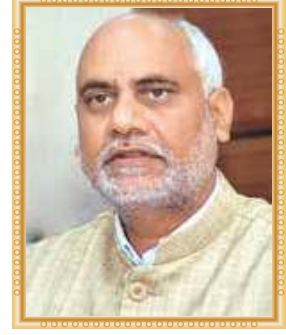
अत्यंत हर्ष का विषय है कि टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी-फार्मेसी भोपाल द्वारा वार्षिक पत्रिका “नव औषधीय-2022-23” का प्रकाशन किया जा रहा है।

संस्था की पत्रिका का प्रकाशन विद्यार्थियों की बहुमुखी प्रतिभा को आगे लाकर पहचानने ओर उनके सम्पूर्ण व्यक्तित्व विकास के लिये आवश्यक है।

पत्रिका में ही उस महाविद्यालय के कार्यकलापों, छात्र-छात्राओं एवं शिक्षकों की प्रतिभाओं, उनका बौद्धिक स्तर एवं आदर्शों का प्रतिबिम्ब झलकता है।

मुझे पूर्ण विश्वास है कि आपका यह प्रयास अपने उद्देश्यों में पूर्ण रूप से सफल रहेगा एवं भावी पीढ़ी के लिये पथ प्रदर्शक का कार्य करेगा।

प्रो. (डॉ.) वीरेन्द्र कुमार



**Prof. Sunil Kumar**  
Vice-Chancellor

## Message

मुझे यह जानकर प्रसन्नता हुई कि टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी-फार्मैसी भोपाल द्वारा वार्षिक महाविद्यालय पत्रिका “नव औषधीय-2022-23” का प्रकाशन किया जा रहा है।

महाविद्यालयीन पत्रिका किसी भी संस्था के लिये दर्पण की तरह होती हैं। मैं आशा करता हूं कि वार्षिक पत्रिका संस्था की शैक्षणिक उपलब्धियों को रेखांकित करने एवं छात्रों को सांस्कृतिक एवं साहित्यिक एवं अन्य शैक्षणेत्तर गतिविधियों में अपनी प्रतिभा प्रदर्शन के लिए उपयुक्त मंच उपलब्ध कराएगी।

पत्रिका के सफल प्रकाशन के लिए सम्पादक मण्डल, शिक्षकगण एवं छात्र-छात्राओं मेरी अनेक शुभकामनाएं।

मैं आशा करता हूं कि संस्था निरन्तर उन्नति एवं प्रगति के पथ पर अग्रसर होगी एवं तकनीकी शिक्षा के क्षेत्र में देश, प्रदेश एवं समाज को अपना योगदान देती रहेगी।

(प्रो. सुनील कुमार)





**Chairperson**  
TIT Group of Institutions

## *Message*

Obviously, I am feeling an immense pleasure to orate that our college is going to publish a yearly magazine 'NAV AUSHADHEYA-2022-23', which does not only bestow academic excellence but also highlights overall multidimensional and moralistic developments of the college.

This magazine also throws light on the personality, working capacity and achievements of students, faculties and managements.

No doubt, I am again very much obliged to mention that the students and faculty-members gave good and moralizing articles for publication in this magazine.

In nutshell, I am of course, very much thankful to all the members, who taught the students very nicely, who gave their a highly remarkable contribution. I again wish them for their bright future and happy life.

**Chairperson**  
TIT Group of Institutions

# Message



**Vice Chairman**  
TIT Group of Institutions

Obviously, I am feeling an immense pleasure to orate that our college is going to publish a yearly magazine 'NAV AUSHADHEYA-2022-23', which does not only bestow academic excellence but also highlights overall multidimensional and moralistic developments of the college.

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A handwritten signature in black ink, appearing to read 'S. S. S.', with a flourish underneath.

**Vice Chairman**





**Managing Director**  
TIT Group of Institutions

## *Message*

Indeed it is a matter of great pleasure that Technocrats Institute of Technology-Pharmacy is going to publish its annual institutional magazine NAV AUSHADHEYA 2022-23.

Furthermore, I am really very sure that this college magazine will provide a platform to the students to sharpen their writing skills by strengthening academic activities of college.

I extend my best compliments, hearty blessings to faculty members, staff members and rising sun of the nation i.e. students for their bright future and happy life. I also hope that they will strive for the creation of academic and professional excellence in the coming years.

In the end, I am feeling much pleasure to extend my warm greetings and wishes to all the faculties. Students and other staff members who gave their unique contribution for successful release of their annual magazine

A handwritten signature in black ink, appearing to read 'Sushil'.

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**Managing Director**

# Message



**Dr. Anurag Choubey**  
Director Administration

I congratulate the team of students and teachers whose precious efforts have made this edition of NAV AUSHADHEYA 2022-23. accessible to us. It gives me immense pleasure to experience the warmth of this literary tradition in resonance with the glorious past of the institution. Rhyming with the change that is the law of nature, the magazine portrays the trajectory of transformation achieved in different spheres. I feel privileged to for hold the post of Director Administration and Director Academics of this reputed temple of learning that houses the stakeholders who thrive to maintain the dynamic spirit of learning and discovering through such endeavours. The Institute is firm in its resolve to providing support to academic events and publication of literary writings.

I wish NAV AUSHADHEYA 2022-23. will scale greater heights with active participation of students and staff members of this institution.

A handwritten signature in blue ink, consisting of a stylized 'A' followed by a horizontal line and a small flourish.

**Dr. Anurag Choubey**  
Director Administration

# Message



**Dr. B K Dubey**  
Director Pharmacy

It is a matter of great pride and satisfaction for Technocrats Institute of Technology, Bhopal (M. P.) to publish the 2022-23 issue of our annual magazine “NAV AUSHADHEYA 2022-23”. The institute has made tremendous progress in all the areas pertaining to co-curricular, extra-curricular development of the students and capacity building of the staff. I am sure that this issue of our annual magazine will send a positive signal to the staff, students and the people who are involved as well as interested in the technical education and technology-based activities. A magazine is like a mirror which reflects the clear picture of all sorts of activities undertaken by an institution and develops appropriate writing skills among students in particular and teaching faculty in general. I express my deep sense of gratitude to Dr. Deepak Basedia, HOD (Pharmacy) under whose guidance this magazine issue work has been undertaken and completed within the stipulated time. I also express my heartfelt congratulations to all the faculties, staff members and students of the editorial board for the arduous task executed most effectively. I am hopeful that this creative effort shall not only develop the taste for reading among the students but also develop a sense of belongingness to the institution as well.

**Dr. B K Dubey**

## **HOD** *Message*

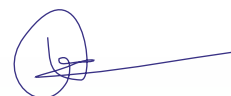


**Dr. Deepak Basedia**  
HOD Pharmacy

Pharmacy is one of the most trusted and noble profession and remains one of the most fascinating fields in the sciences. During the last few years due to phenomenal growth and advancement of science and technology, concept of pharmacy has drastically changed in recent times and today pharmacist is also closely involved as one of the most important member, working hand in glove in majority of the health delivery system along with pharmaceutical industry.

Technocrats Institute of Technology-Pharmacy Bhopal, established in the year 2002 approved and recognized by AICTE and PCI, Govt. of India. The institute offers courses in B. Pharm and M. Pharm. The college has well-equipped laboratories and excellent infrastructure to make the students acquire knowledge that would help them to face the competitive world. Students are provided the best quality education through traditional and modern teaching methods. National Seminars, Workshops and Industrial visits are conducted in the college at regular intervals which enable the students to gain new updated knowledge. The institute also focuses on personality development, confidence building, research exposure and enhancement of communication skills, apart from various cultural events and activities.

The role of a college magazine is therefore vital in promoting what an institution offers. It brings out into the open things hitherto unrevealed. It brings to light the names of the unsung heroes and their mighty deeds. I am happy that there is a dedicated team of staff and students who have brought out the “Nav Aushadheya-2023”, annual magazine of our college. I congratulate them for their successful venture and pray that each year brings more and more triumph to “Nav Aushadheya-2023”.



**Dr. Deepak Basedia**



# Message



**Ms. Najmus Sehar**  
Chief Editor  
Technocrats Institute of  
Technology-Pharmacy

Being the Editor In charge of college magazine “Nav Aushadheya-2023”, it gives me great pleasure to bring to you this issue. The annual Magazine Nav Aushadheya, is designed to present to its readers the year’s various activities by the students and faculty in academic, cocurricular, extra-curricular as well as research & developments that have gone by, the magazine also showcases the talents of our faculty members and students. With a sense of pride and satisfaction I would like to say that with the active support of the management, faculty and students. The “Nav Aushadheya-2023” is published which is a truly literary & creative document of the talents of our faculty, technical staff and students. The Magazine committee is composed of the student editor, sub editors & staff advisors. The varieties of articles in research field give us a sense of pride that our students and teachers possess creative potential and original thinking in ample measures. Each article is entertaining, interesting and absorbing. Along with those interesting general articles, stories, poems of the magazine will develop confidence, motivation, zencouragement, passion, perfection and dedication in readers. It also contained more about pharmaceuticals, research which sharpen their strength in areas like academic, non-academics of staff and students. I congratulate the editorial team for making “Nav Aushadheya-2023”, innovative and inspiring.

Wish you all best luck

**Ms. Najmus Sehar**

## **Program Educational Objectives (PEOs) for B.Pharm Course**

PEO 1: To inculcate quality pharmacy education and training through innovative Teaching Learning Process.

PEO 2: To train the students to contribute towards health care system and counseling for prophylaxis and prevention of diseases.

PEO 3: To promote professionalism, team spirit, social and ethical commitment with effective interpersonal communication skills to boost leadership role assisting improvement in healthcare sector.

PEO 4: To enhance Industry-Institute-Interaction for industry oriented education and research, which will overcome healthcare problems of the society.

PEO 5: To adapt and implement best practices in the profession by enrichment of knowledge and skills in research and critical thinking.

PEO 6: To generate potential knowledge pools with interpersonal and collaborative skills to identify, assess and formulate problems and execute the solution in closely related pharmaceutical industries and to nurture striving desire in students for higher education and career growth.

## PROGRAM OUTCOMES

- 1. Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
- 2. Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
- 3. Problem analysis:** Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
- 4. Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
- 5. Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
- 6. Professional Identity:** Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
- 7. Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- 8. Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
- 9. The Pharmacist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
- 10. Environment and sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 11. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

# Editorial Board



# Student Editorial Board







# Editorial Board

## Advisory Board

Dr. B.K. Dubey  
Dr. Deepak Basadia  
Dr. Mukesh Patel  
Prof. Bhushan Korde

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## Student Editorial Board

Diksha Bisen  
Luvkush  
Khushi  
Sudha  
Beenu Patle  
Sundram

## Chief Editor

Prof. Najmus Sehar

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## Editor

Prof. Anandi Lal  
Prof. Kiran Satnani  
Prof. Sandra Gautam  
Prof. Pushpa Simayia

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# *Oath of a Pharmacist*

At this time, I vow to devote my professional life to the service of all humankind through the profession of pharmacy.

I will consider the welfare of humanity and relief of human suffering my primary concerns.

I will apply my knowledge, experience, and skills to the best of my ability to assure optimal drug therapy outcomes for the patients I serve.

I will keep abreast of developments and maintain professional competency in my profession of pharmacy.

I will maintain the highest principles of moral, ethical, and legal conduct.

I will embrace and advocate change in the profession of pharmacy that improves patient care.

I take these vows voluntarily with the full realization of the responsibility with which I am entrusted by the public.

# Code of Ethics for Pharmacists

## Preamble

Pharmacists are health professionals who assist individuals in making the best use of medications. This Code, prepared and supported by pharmacists, is intended to state publicly the principles that form the fundamental basis of the roles and responsibilities of pharmacists. These principles, based on moral obligations and virtues, are established to guide pharmacists in relationships with patients, health professionals, and society.

## Principles

**I. *A pharmacist respects the covenantal relationship between the patient and pharmacist.***

*Interpretation:* Considering the patient-pharmacist relationship as a covenant means that a pharmacist has moral obligations in response to the gift of trust received from society. In return for this gift, a pharmacist promises to help individuals achieve optimum benefit from their medications, to be committed to their welfare, and to maintain their trust.

**II. *A pharmacist promotes the good of every patient in a caring, compassionate, and confidential manner.***

*Interpretation:* A pharmacist places concern for the well-being of the patient at the center of professional practice. In doing so, a pharmacist considers needs stated by the patient as well as those defined by health science. A pharmacist is dedicated to protecting the dignity of the patient. With a caring attitude and a compassionate spirit, a pharmacist focuses on serving the patient in a private and confidential manner.

**III. *A pharmacist respects the autonomy and dignity of each patient.***

*Interpretation:* A pharmacist promotes the right of self-determination and recognizes individual self-worth by encouraging patients to participate in decisions about their health. A pharmacist communicates with patients in terms that are understandable. In all cases, a pharmacist respects personal and cultural differences among patients.

**IV. *A pharmacist acts with honesty and integrity in professional relationships.***

*Interpretation:* A pharmacist has a duty to tell the truth and to act with conviction of conscience. A pharmacist

avoids discriminatory practices, behavior or work conditions that impair professional judgment, and actions that compromise dedication to the best interests of patients.

**V. *A pharmacist maintains professional competence.***

*Interpretation:* A pharmacist has a duty to maintain knowledge and abilities as new medications, devices, and technologies become available and as health information advances.

**VI. *A pharmacist respects the values and abilities of colleagues and other health professionals.***

*Interpretation:* When appropriate, a pharmacist asks for the consultation of colleagues or other health professionals or refers the patient. A pharmacist acknowledges that colleagues and other health professionals may differ in the beliefs and values they apply to the care of the patient.

**VII. *A pharmacist serves individual, community, and societal needs.***

*Interpretation:* The primary obligation of a pharmacist is to individual patients. However, the obligations of a pharmacist may at times extend beyond the individual to the community and society. In these situations, the pharmacist recognizes the responsibilities that accompany these obligations and acts accordingly.

**VIII. *A pharmacist seeks justice in the distribution of health resources.***

*Interpretation:* When health resources are allocated, a pharmacist is fair and equitable, balancing the needs of patients and society.

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The endorsement of this document was reviewed in 2017 by the Council on Pharmacy Practice and by the Board of Directors and was found to still be appropriate.

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# Toppers

FINAL YEAR



**VISHNU DHAKAD**  
8.6



**ANSHITA ROUT**  
8.4



**AWANTIKA KESARI**  
8.0

THIRD YEAR



**SHRISTI SONI**  
8.69



**KUMAR GAURAV**  
8.54



**PIYUSH RAJ**  
8.0

SECOND YEAR



**NAMRATA SHENDE**  
8.89



**ANUSKA DWIVEDI**  
8.8



**YASHWANT KUMAR**  
8.3

FIRST YEAR



**MODASSIR NAWAZ**  
8.39



**MANU PAWAR**  
8.28



**VISHESH TIWARI**  
8.05



# *Congratulation* **GPAT QUALIFIER**

Heartiest congratulations on your outstanding achievement in qualifying the Graduate Pharmacy Aptitude Test (GPAT)! This accomplishment is a testament to your hard work, dedication, and exceptional aptitude in the field of pharmacy.



**PRATIK PATIL**

**GPAT AIR-1087**  
**NIPER AIR-1201**



## **DOCTORS & UNETHICAL PRACTICES**

Unethical practices indulged in by physicians have been under the government scrutiny for some years now in the country. The government could not curb such practices of physicians as there has been no cooperation from the members of this noble profession or its regulatory body. One of the main complaints against the medical practitioners has been their collusion with the pharmaceutical companies in prescribing expensive medicines by accepting bribes and favors. This has been a practice existing for several years to promote the products of pharmaceutical companies but was not so well known to the general public. With increased competition amongst the pharma companies to push up their sales, the practice has become widespread and crossed all the limits. It is no more a secret that a major part of the price of the prescription drug is on account of the loading of promotional costs on medicines. It is difficult to gauge what percentage of the cost of medicine is promotional expenditure but is estimated that it accounts for a substantial part of the cost the medicine. For the pharma companies, increase in prescriptions will decide the sales growth and profits whereas for doctors, dependability of companies on them, bring unlimited returns by way of incentives for prescription. A large number of doctors are also found to be stocking and selling medicines directly to the patients in their clinics. Several such incidents have been reported from different parts of the country although such practice is in violation of the provisions of the Drugs & Cosmetics Act. Under Schedule K (5) of the Act, doctors are allowed to dispense medicines in their clinics only under certain conditions. But, doctors are found to be flouting this Schedule by dispensing medicines indiscriminately, at times, even charging higher prices.

In order to check the practice of bribing doctors by the pharma companies, the Department of Pharmaceuticals had come out with a Uniform Code of Pharmaceutical Marketing Practices June last year. It was decided then to introduce the code as a voluntary one to be followed by the drug companies in promoting their products. And if the Department finds adoption of the code is not satisfactory by the companies, it will make the same a statutory code. As per the terms of the code, no gifts, pecuniary advantages or benefits in kind may be supplied, offered or promised to persons qualified to prescribe or supply by a pharmaceutical company. The code of conduct, however, did not work so far and the Department could not also enforce the same on the companies. Now, the Union health ministry has taken the initiative in this regard and asked the Medical Council of India to take action against the doctors who accept gifts and freebies from the pharma companies. How the MCI will monitor such unethical practices of the physicians and whether the body will take any punitive action against its members is something to be seen. Health ministry is also thinking of bringing a legislation to curb this practice of the doctors. In case of selling medicines directly to patients by doctors, the respective state drug control departments have to act as it is violation of the D&C rules. For successful enforcement any existing rule or new act, some amount of cooperation is required from the members of medical profession and its association. Unless that happens, it seems very difficult to discipline this profession.

By: **Dr. B.K. Dubey**

## High Blood Pressure (Hypertension)

Blood pressure has two components:

- Systolic pressure is the top number. It represents the pressure the heart generates when it beats to pump blood to the rest of the body.

- Diastolic pressure is the bottom number. It refers to the pressure in the blood vessels between heartbeats.

Blood pressure is measured in millimeters of mercury (mmHg). So blood pressure would be expressed, for example, as 120/80 mmHg.

High blood pressure is diagnosed when one or both of these numbers is too high. High blood pressure is also called hypertension.

Blood pressure is categorized as follows:

Normal: Less than 120/80 mmHg

Prehypertension: 120/80 to 139/89 mmHg

Stage 1 hypertension: 140/90 to 159/99 mmHg

Stage 2 hypertension: 160/100 mmHg and above

Usually, systolic pressure increases as we age. However, after age 60, diastolic pressure usually begins to decline.

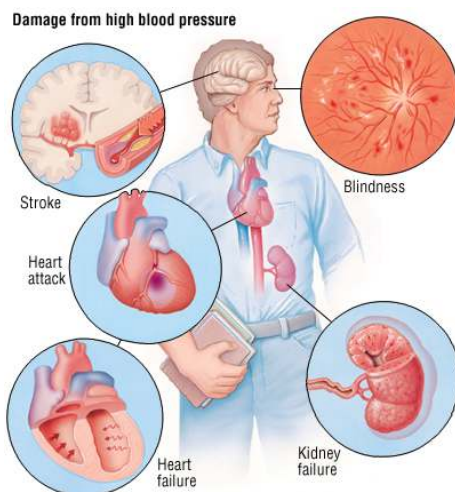
Pre hypertension is not a disease yet. But it does mean you are at increased risk for developing high blood pressure.

Although high blood pressure can cause symptoms such as headache and pounding heartbeat, it often causes no symptoms at all.

So why worry about high blood pressure? Because even when high blood pressure is not causing any symptoms, it can silently damage many organs, including the:

- Brain
- Eyes
- Heart
- Kidneys
- Arteries throughout the body

You may not recognize the damage that silent hypertension has been doing to your body until you suddenly are stricken with a major disease. For example, hypertension increases your risk of heart attack, stroke, and kidney failure.



Hypertension increases your risk of heart attack and stroke. So it is important to modify your risk factors for coronary artery disease. In addition to the above actions, you should:

- Quit smoking
- Reduce your high LDL (bad) cholesterol

You may be able to cure your hypertension with lifestyle changes alone.

## Simple Home Remedies To Control Hair Fall

Hair fall is no longer a condition barred by age! 15 or 50, when most of us walk out of the shower, the drain gets clogged with hair and when we brush, we lose huge chunks and we don't know what to do about it. Hair fall was in the earlier days attributed as a sign of aging and was a cause for a great deal of embarrassment. But today, we no longer count by age but rather count by so very many other reasons. No matter what the cause, the embarrassment associated does not reduce even by a fraction.

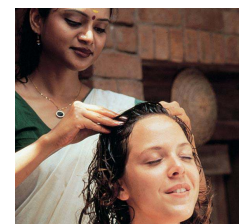
Before we step into the solutions, let's take a peek at what might be causing your hair fall.

### CAUSES

- lack of proper nutrition
- aging
- hormonal changes
- stress
- split ends
- heredity
- prolonged illness
- medication like steroids

To curb hair fall, you need to include a few basic practices into our routine along with the treatments that you adopt for better results. Here are these little things that will help.

- Be gentle with wet hair. Avoid rubbing your hair dry and also avoid combing through wet hair. Your hair is more susceptible to breakage when wet and the result will be a clump in your brush and stray strands at your feet.
- Massage your scalp region as frequently as you can. This stimulates flow of the blood of your head which in turn promotes the growth of hair and better health.
- Don't always opt for styles that require you to tie your hair up tight. As sleek and fashionable as this may look, it puts a great deal of pressure on the hair which adds to the breakage and hair fall.
- Hair styling is essential when you step out. You need to look good at all times in today's world. But it is necessary that you submit your hair to as less of heat treatment as you can! The heat tends to dry the shaft out making it dry and frizzy which over a period of causes the hair to brittle. The ultimate result will be hair fall.
- Do not wash hair with hot water for the very same reason, always use cold water or water at room temperature. Dry and frizzy hair when you walk out of the shower is the indication that the water was too hot for your hair.
- All said and done, just these simple precautions are not going to cut the line. It will always hold true that only when you are healthy inside will your hair be healthy too. Your hair is made up of proteins and is alive at the roots. And like any other living it also requires nutrients to remain healthy and grow. There are a few things that you can add to your diet to ensure that you intake sufficient quantities of these nutrients. First and foremost will be proteins of course. They are the building blocks of the hair shaft after all. The next in the list will be vitamins. The vitamins that are essential for the hair are Vitamin A, B complex, C, and E. Each of these perform a significant role. Vitamin B complex is most popularly known for its importance in the hair growth and hair fall control. Vitamin C prevents premature graying. Last but not the least, Iron. Deficiency of iron can be a source of severe hair fall. Which why women suffering from anemia exhibit a great amount of hair fall.





## Migraine

A migraine headache can cause intense throbbing or a pulsing sensation in one area of the head and is commonly accompanied by nausea, vomiting, and extreme sensitivity to light and sound.

Migraine attacks can cause significant pain for hours to days and be so severe that all you can think about is finding a dark, quiet place to lie down.

Some migraines are preceded or accompanied by sensory warning symptoms (aura), such as flashes of light, blind spots, or tingling in your arm or leg.

Medications can help reduce the frequency and severity of migraines. If treatment hasn't worked for you in the past, talk to your doctor about trying a different migraine headache medication. The right medicines, combined with self-help remedies and lifestyle changes, may make a big difference.

### Symptoms

Migraine headaches often begin in childhood, adolescence or early adulthood. Migraines may progress through four stages, including prodrome, aura, headache and postdrome, though you may not experience all the stages.

### Prodrome

One or two days before a migraine, you may notice subtle changes that signify an oncoming migraine, including:

- Constipation
- Depression
- Food cravings
- Hyperactivity
- Irritability
- Neck stiffness
- Uncontrollable yawning

### Aura

Aura may occur before or during migraine headaches. Auras are nervous system symptoms that are usually visual disturbances, such as flashes of light. Sometimes auras can also be touching sensations (sensory), movement (motor) or speech (verbal) disturbances. Most people experience migraine headaches without aura. Each of these symptoms usually begins gradually, builds up over several minutes, and then commonly lasts for 20 to 60 minutes. Examples of aura include:

- Visual phenomena, such as seeing various shapes, bright spots or flashes of light
- Vision loss
- Pins and needles sensations in an arm or leg
- Speech or language problems (aphasia)

Less commonly, an aura may be associated with limb weakness (hemiplegic migraine).

### Attack

When untreated, a migraine usually lasts from four to 72 hours, but the frequency with which headaches occur varies from person to person. You may have migraines several times a month or much less often. During a migraine, you may experience the following symptoms:

- Pain on one side or both sides of your head
- Pain that has a pulsating, throbbing quality
- Sensitivity to light, sounds and sometimes smells
- Nausea and vomiting
- Blurred vision
- Lightheadedness, sometimes followed by fainting

Self-care measures can help ease the pain of a migraine headache.

- Try muscle relaxation exercises. Relaxation may help ease the pain of a migraine headache.

Relaxation techniques may include progressive muscle relaxation, meditation or yoga.



## **Pharma Sat to Test Drugs in Space**

It's miserable enough to be under the weather in the comfort of your home, but imagine coming down with a bad cold when you're stuck inside a small crew module 200,000 miles from Earth. You're coughing on your fellow astronauts and that space food you ate half an hour ago is now floating around your zero-gravity spacecraft.

Luckily, mission control packed some antibiotics into your survival pack... but will they work in space?

Microgravity can impact living organisms in a variety of ways, and now NASA researchers want to find out how it affects pharmaceuticals. On May 5, a small satellite about the size of a loaf of bread will launch as a secondary payload on a U.S. Air Force Minotaur 1 rocket. Weighing in at about 10 pounds, the nanosatellite -- called PharmaSat -- houses a micro-laboratory with sensors that can detect the growth, density, and health of yeast cells. When NASA spaceflight engineers make contact with PharmaSat, which could happen as soon as one hour after launch, they will send a command to the satellite to initiate a 96-hour experiment, which involves administering an antifungal treatment to yeast cells at three dosage levels.

After PharmaSat separates from the Minotaur 1 rocket and enters orbit at approximately 285 miles above Earth, it will begin transmitting radio signals to two ground control stations, in Menlo Park and Santa Clara, California. The primary ground station at Menlo Park will then transmit mission data in near-real time to mission managers, engineers, and project scientists at NASA's Ames Research Center for further analysis. The nanosatellite could transmit data for up to six months.

In addition to monitoring the yeast's reaction to the antifungal treatment, PharmaSat will also record the pressure, temperature, and acceleration levels that the yeast and the satellite are exposed to while orbiting Earth at 17,000 miles per hour. The results of the mission will help researchers learn more about drug action and effectiveness in space.

"PharmaSat is an important experiment that will yield new information about the susceptibility of microbes to antibiotics in the space environment," said David Niesel, PharmaSat's co-investigator from the University of Texas Medical Branch Department of Pathology and Microbiology and Immunology in Galveston.

**By: Dr. Mukesh Patel**

## **Recombinant DNA technology**

Joining together of DNA molecules from two different species that are inserted into a host organism to produce new genetic combinations that are of value to science, medicine, agriculture, and industry. Since the focus of all genetics is the gene, the fundamental goal of laboratory geneticists is to isolate, characterize, and manipulate genes. Although it is relatively easy to isolate a sample of DNA from a collection of cells, finding a specific gene within this DNA sample can be compared to finding a needle in a haystack. Consider the fact that each human cell contains approximately 2 metres (6 feet) of DNA. Therefore, a small tissue sample will contain many kilometres of DNA. However, recombinant DNA technology has made it possible to isolate one gene or any other segment of DNA, enabling researchers to determine its nucleotide sequence, study its transcripts, mutate it in highly specific ways, and reinsert the modified sequence into a living organism.

In biology a clone is a group of individual cells or organisms descended from one progenitor. This means that the members of a clone are genetically identical, because cell replication produces identical daughter cells each time. The use of the word clone has been extended to recombinant DNA technology, which has provided scientists with the ability to produce many copies of a single fragment of DNA, such as a gene, creating identical copies that constitute a DNA clone. In practice the procedure is carried out by inserting a DNA fragment into a small DNA molecule and then allowing this molecule to replicate inside a simple living cell such as a bacterium. The small replicating molecule is called a DNA vector (carrier). The most commonly used vectors are plasmids (circular DNA molecules that originated from bacteria), viruses, and yeast cells. Plasmids are not a part of the main cellular genome, but they can carry genes that provide the host cell with useful properties, such as drug resistance, mating ability, and toxin production. They are small enough to be conveniently manipulated experimentally, and, furthermore, they will carry extra DNA that is spliced into them.

**By: Dr. Deepak Basedia**

## Scientists Engineer Algae To Produce New Targeted Cancer Therapy

If traditional cancer therapies like chemotherapy are the WMDs of medicine--powerful, indiscriminate killers--targeted drug therapies are the assassins, trained to seek out and destroy enemy cancer cells, one at a time.

Scientists recognize the clear advantage of the assassin approach, of course, and have successfully engineered several targeted cancer-killing drugs over the past few decades.

The problem is, assassins ain't cheap. A single course of targeted drug therapy can cost upwards of \$100,000. That's largely because the drugs take a lot of effort to create--scientists have to first grow human antibodies capable of recognizing enemy cells, and then equip those cells with a weapon by attaching them to toxic molecules. The process is, apparently, as hard and time-consuming as it sounds.

But recently, a group of scientists at University of California, San Diego engineered algae to produce a human antibody with a built-in toxic weapon--a ready-made molecular cancer assassin. The researchers produced the new therapy by embedding the genetic code of the toxin *P. aeruginosa* into a human antibody gene, which they then spliced into the algae's DNA.

In their research paper, the scientists note that this feat has been attempted before, using bacteria instead of algae, but the bacteria weren't capable of folding the complex antibody into the right shape, so the method required a researcher to follow along behind and refold the proteins. The new therapy could not be produced by mammal cells, either, the researchers write, because the presence of the toxin would prohibit the engineered cells from reproducing.

If the new treatment is able to stand up to the battery of medical trials required by law, the targeted, assassin-style fight against cancer may soon get a lot more affordable.

By: **Dr. Mukesh Patel**

## The West's First Gene Therapy Goes On Sale Mid-2017

We're tampering with genes to cure a rare metabolic disorder--and that's likely just the beginning.

By Clay Dillow Posted 11.06.2012 at 2:45 pm 8 Comments

Gene Therapy: Tampering With DNA Using genes to generate protein therapies in the body. National Institutes of Health

The first gene therapy to be approved in the West will hit the market by the middle of next year, opening the masses to a controversial treatment that directly alters a patient's own DNA. Dutch biotech uniQure's Glybera was approved for sale by the European Commission late last month.

Gene therapies emerged--appropriately--about the same time the first human genome was being mapped during the 1990s, though the study of gene therapies goes back as far as the 1970s. They work by actually tampering with a person's DNA--usually by encoding a functioning gene to replace a mutated one, or by introducing DNA that encodes a therapeutic protein into the body. Clinical trials have gone on for years. Early on, failures caused many to dismiss the idea of tampering with genes. But later--in the following decade--many in the medical community changed their minds after witnessing a series of successes. Among them: China, which approved its first gene therapy in 2003.

In the West, however, gene therapy has been a source of constant debate, and that's what makes this development notable. Gene therapies carry a lot of promise, including the ability to treat any number of inherited diseases that have few treatment options. They are a way to literally tinker with the fundamental material that tells our cells how to function, so their potential is indeed vast--if we can make them work.

Glybera will treat lipoprotein lipase deficiency (LPLD), an extremely rare inherited disorder affecting the metabolism of certain fat particles. It affects something like one or two people in a million, so it's not like we're curing blindness here. Gene therapy is still limited to single-gene disorders--and most common diseases are more complex multi-gene problems.

Still, the acceptance of the first gene therapy into Western medicine could mark a turning point for gene medicine, provided nothing goes wrong. Many labs are still working on gene therapies for a number of conditions, and uniQure itself is working on additional genetic therapies for everything from hemophilia to Parkinson's. Even limited success there would naturally be a huge leap forward for medical science.

By: **Pushpa Simaiya**

## प्रत्येक आदमी की जिंदगी में आने वाली बातें

### 1. **Put your heart in to study and study will never leave your heart.**

2. जिंदगी में दो बातें हमेशा याद रखना।

1. गुस्से की हालत में कोई फैसला मत करो।
2. खुशी की हालत में कोई वादा मत करो।

3. डूबता है तो पानी को दोष देता है

गिरता है तो पत्थर को दोष देता है।

इंसान भी बड़ा अजीब है, कुछ कर नहीं पाता है

तो किस्मत को दोष देता है।

4. किसी को हराना बहुत आसान है

लेकिन किसी को जीतना बहुत कठिन होता है।

5. मंजिले इंसान के हौसलों को आजमाती है

सपनों के परदे आंखों से हटाती है।

ये मेरे दोस्त तू हिम्मत न हारना

क्योंकि ठाकरें ही तो इंसान को चलना सीखाती हैं।

6. उन पर ध्यान मत दीजिए जो आपके पीठ पीछे बातें करते हैं

इसका सीधा अर्थ है आप उनसे दो कदम आगे हैं।

7. किसी भी मनुष्य की वर्तमान स्थिति देखकर उसके भविष्य का उपहास मत उड़ाओं।

क्योंकि काल में इतनी शक्ति है कि वो एक साधारण से कोयले को भी धीरे-धीरे हीरे में बदल देता है।

8. सिक्के हमेशा आवाज करते हैं मगर नोट हमेशा खामोश रहते हैं।

इसलिए जब आपकी बात बढ़े तो शांत रहिए अपनी हैसियत का शोर मचाने का जिम्मा

आपसे कम कीमत वालों के लिए है।

9. सत्य में कोई विश्वास नहीं करता है

झूठ में सब विश्वास करते हैं

शराब बेचने वाले को कहीं नहीं जाना पड़ता

लोग खुद उसके पास चले आते हैं।

पर दूध बेचने वाले को गली-गली घूमकर बेचना पड़ता है

इसी प्रकार सत्य को बार-बार परीक्षा देनी पड़ती है।

## \*हम मेडिकल वाले है....\*

ना घूमने जाते हैं, ना फिरने जाते है।  
हम मेडिकल वाले है , दुकान के सिवाए कही ना जाते हैं।

ना गाने सुना करते हैं, ना गज़ले सुना करते हैं।  
हम मेडिकल वाले हैं, लोगों की परेशानी सुना करते हैं।

अनजान लोगों के दुःख-दर्द कुछ ऐसे पहचान लेते है।  
हम मेडिकल वाले हैं, कागज देखकर सब हाल जान लेते हैं।

ना गीता, ना बाइबिल, ना ही कुरान पढ़ते है।  
हम मेडिकल वाले है, सर्कुलर और वित्त संहिता पढ़ते है।

ना डिस्को में जाते हैं हम, ना डेट पे जाते हैं,  
हम मेडिकल वाले है, अकसर घर देर से जाते है।

खुद ही कहानी लिखते है और खुद ही डायरेक्टर होते हैं।  
हम मेडिकल वाले है, हमारे अपने परदे, अपने थिएटर होते है।

हसरतें हूबहू है, खुदा नहीं, हम भी बनना इंसान भला चाहते है।  
हम मेडिकल वाले है, चाहे कुछ भी हो अपने ग्राहक का भला चाहते हैं।

ना खाकी पे एतबार है , ना खद्दर पे इतना भरोसा करते है।  
हम मेडिकल वाले है, लोग हम पे बेहिसाब भरोसा करते है।

हिन्दू भी खड़ा रहता है, मुस्लिम भी खड़ा रहता है।  
ये मेडिकल वालो का दिल है, जहां  
इंसानियत भीतर रहती है, मज़हब बाहर खड़ा रहता है

By: Akash Thakur  
VIII Sem





## **ORGENIC CHEMISTRY KI LECTURE**

Asha ki lau ab bhi jal rahi hai,  
is pal nahi toh agle pal aap jaoge.  
Hamari aankhen dekho nam ho rahi hai,  
akhir kitni der aur pakaoge,  
kabhi na kabhi toh kisi sawal main ulajhkar,  
chup chap khade ho kar apna sir khujaoge.  
Asha ki lau ab bhi jal rahi hai,  
is pal nahi toh agle pal aap jaoge.  
Baki ghar jake solve karna yeh amrit saman shabd,  
kabhi na kabhi toh apne mukh se nikaloge.  
Asha ki lau ab bhi jal rahi hai,  
is pal nahi toh agle pal aap jaoge.  
ISHIKA so gayi, pallavi so gayi,  
so gaye farheen or vikram , bhai  
Bhagwan jane aur kitno ko aap sulaoge.  
Asha ki lau ab bhi jal rahi hai,  
is pal nahi toh agle pal aap jaoge.  
Meri kavita toh lo khatam honewaali hai,  
pata nahi aap kab tak padhaoge.

By: **Srishti Soni**  
VI Sem

## **Chemical GHAZAL**

Dil-e-organic tujhe hwa kia he?  
Aakhir nomenclature ki wja kia ha?  
Hm hain carbon or wo hydrogen,  
Ya Ilahi ye hydrolysis kia ha?  
Me bhi Shell me Electrons rkhta hu,  
Kash pucho k meri Valency kia ha?  
Hm ko un se hy Bond ki umeed,  
GHALIB  
Jo nhi jante humari Elctronegativity kia ha.

By: **Mohit Gautam**  
VI Sem

## Exam Ki Tayari

Bahut liya khel ab,  
karein pariksha ki taiyari,  
PEN, PENCIL, RUBBER, CUTTER  
ho saamagri saari.  
Hai waqt bada anmol,  
ab na ise ganwaana hai.  
karke achchhi taiyaari,  
achchhe ank bhi laana hai.  
Ho padhane ka TIME TABLE,  
jitana padhe, mann se padhe,  
ek vishay yaad ho jaaye  
to agale ki or badhein.  
Na padhe zyada der,  
waqt pe aaraam karein.  
yaad ho gaye uttar jo  
use likhane ka kaam karein.  
Likhane se baar baar  
yaad uttar ho jayega,  
ho kaisa bhi prashn-patra  
jhat o hal ho ho jaayega,  
Thande dimaag se  
har parshn ka dein jawab,  
likhein uttar wahi jo  
kehati hai kitaab.  
Paakar partham shreni ko  
maa-baap ka roshan naam karo.  
naaz ho "ishika" tum par  
jo kuchh aisa kaam karo.

By: **Nikhil Rathore**  
**VI Sem**



## PATENT

1. 2022-2023 Mr. **Kailash Pathak** 202221037429 A Phyllanthus Emblica Extract Based Ethosome and Preparation Thereof.
2. 2022-2023 **Shailendra Prasad Tiwari** 202221037429 A Phyllanthus Emblica Extract Based Ethosome and Preparation Thereof.
3. 2022-2023 **Ms. Neelmani Chouhan** 202311011575 Analyzing the Interaction involving Streptomycin Sulphate and Bovine Serum Albumin using Fluorescent Probes.

## PAPERS PUBLICATIONS

1. **Dr. B.K. Dubey** Phytochemical screening and in-vivo screening of Antiulcer activity on foeniculum vulgare seeds. Panacea Journal of Pharmacy and Pharmaceutical Sciences Dec, 2022.
2. **Dr. B.K. Dubey** Formulation, development and evaluation of colon targeting microspheres for effective treatment of colitis. Archana Pachore et al, International Journal of Pharmaceutical Sciences & Medicine Dec, 2022.
3. **Dr. B.K. Dubey** Synthesis, characterization and antimicrobial evaluation of Schiff base 4-thiazolidinones of aminosalicic acid derivatives European Journal of Biomedical AND Pharmaceutical sciences Sep, 2022.
4. **Dr. B.K. Dubey** Phytochemical screening and in-vivo screening of Antiulcer activity on foeniculum vulgare seeds. Panacea Journal of Pharmacy and Pharmaceutical Sciences Dec, 2022.
5. **Dr. B.K. Dubey** Formulation, development and evaluation of colon targeting microspheres for effective treatment of colitis. Archana Pachore et al, International Journal of Pharmaceutical Sciences & Medicine Dec, 2022.
6. **Neelmani Chauhan** "Formulation and development of gastro retentive tablet of captopril using maize stem pith powder as a novel polymer" NVEO Set, 2022.



I am specialist in medicine

I manufacture and research medicines

I am a regulator of the medicines and ensure its quality

I am counselor to the patients

I ensure safe and effective medicines

**I am a Pharmacist: a healthcare professional**





# TIT IN NEWS

**दैनिक भास्कर** भोपाल 12-05-2023

## टेक्नोक्रेट्स में अवीवर्स एण्ड एनुअल-डे समारोह में हुए सांस्कृतिक कार्यक्रम

**भोपाल।** अपने फेवोरित जीवन में व्यस्तताओं के बीच में अपने माता-पिता और गुरुजनों का आदर एवं सम्मान करना कभी नहीं भूलते। आज आप जिस जगह पर पहुंचे हैं, वे आपके माता-पिता और गुरुजनों की बदौलत संभव हो पाया है। उत्कृष्टता कोशाल में नहीं ट्रिप्टिकोम में होती है। वे बात राजनपाल मंगुभाई पटेल ने टेक्नोक्रेट्स ग्रुप ऑफ इंस्टीट्यूट में प्लेगैमेट अचीवमेंट एण्ड एनुअल डे-2023 समारोह में संबोधित करते हुए कही। समारोह में विदाबंधियों द्वारा सांस्कृतिक कार्यक्रम प्रस्तुत किए गए। इस मौके पर राजनपाल ने छात्रों को सम्मानित भी किया। इस कार्यक्रम में प्रायोगिक विकास एवं इस्पात राजनगंजी फुगन सिंह कुलसे, आरजीपीवी के वाइस चांसलर डॉ. सुनील कुमार, बकतदल्लह युनिवर्सिटी के वाइस चांसलर डॉ. एम के जैन, संस्था के मुख्य संरक्षक डॉ. आर.आर. करसोलिया, एम.डी. डॉ. सुरभि करसोलिया और वाइस चेरमैन सौरभ करसोलिया उपस्थित थे।



**दैनिक भास्कर** भोपाल सिटी भास्कर 10-05-2023

## निकिता के डांस नंबरस पर थिरके प्यूचर इंजीनियर्स

**सिटी रिपोर्टर।** नाच मेरी रानी, 'बुजं खलीफा', 'तेरे प्यार में', 'आओ कभी खेलेली पे' जैसे डांस नंबरस को प्लेबैक सिंगर निकिता गांधी ने टेक्नोक्रेट्स इंस्टीट्यूट कैम्पस में ह्यू कॉन्सर्ट में सुनाए, इस पर प्यूचर्स इंजीनियर्स जमकर थिरके। बैंड में कोबोर्ड पर कुशल मंगल और ड्रम पर राहुल मुरलीधर की जगलबंदी भी हुई। यहां समूह के मुख्य संरक्षक डॉ. आर.आर. करसोलिया, चेरमैन साधना करसोलिया, एम.डी. डॉ. सुरभि करसोलिया, वाइस चेरमैन और सोरभ करसोलिया भी मौजूद थे।



**दैनिक भास्कर** भोपाल 08-05-2023

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**दैनिक भास्कर**  
17 नेशनल खेल चुर्की अंजना, अब माउंट किलिमिंजारो पर फहराएंगी तिरंगा  
पर्वत दिवस पर मुख्यमंत्री के साथ किया पौधरोपण  
भोपाल। मुख्यमंत्री विश्वनाथ सिंह पौधरोपण में अंतरराष्ट्रीय पर्वत दिवस पर किसान असाई विजिट फायरिंग मिश्र कुलनाथ, मिश्र के पंसेरी गैरि की प्रिंसिपल पार्लोली अंजना पावार और अन्य पार्लोली के साथ पौधरोपण किया। पुरानोली पौधरोपण में माउंट किलिमिंजारो पर बज्ज, बाइक और रॉबोटिक टुरिज्म के पीछे लक्ष्मी एन टीएम, प्रमोद प्रमोद सिंह, अंजना कुमार, अरविन्द पावार, कौशल कुलनाथ, विमल, अंजना कुलनाथ, अरविन्द विमलकान्त ने भी पौधे लगाए। पुरानोली में पौधरोपण के साथ बहिनस संस्था पौधरोपण में अपने प्रमोद-विमल पर पौधरोपण किया। बहिनस के विजय कुंठित सिंह पौधरोपण और ज्ञान कुठोरी खरिपाण भी साथ में। माउंट किलिमिंजारो पर फहराएंगी तिरंगा के अंजना पावार से बंदीक इतिहासिक करने वाले पार्लोली मिश्र के छोटे से गैरि केनेरी विजयवी अंजना पावार ने बज्जम कि में बज्जरी, डाकबंदी, सार्वजनिक, पेशकरी, ईकॉनॉमी में 17 जेकरस खेल चुर्की है। माउंट अंजना पावार 17346 मीटर पुर

**दैनिक भास्कर**  
टेक्नोक्रेट्स छात्रों के बीच पहुंची अभिनेत्री रवीना टंडन और अभिनेता अरबाज खान  
भोपाल। बॉलीवुड अभिनेत्री रवीना टंडन और अभिनेता अरबाज खान टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी (टीआईटी) में छात्रों से मिलने पहुंचे। रवीना टंडन ने समूह के प्रांगण में आयोजित कार्यक्रम में छात्रों से कहा कि आपका जोश देखकर मुझे अपने स्टूडेंट लाइफ की याद आ गई। उन्होंने कहा कि जिस प्रकार आपका जोश देखा वह देखने लायक है। रवीना ने छात्रों को फूल देकर उत्साहवर्धन किया। वहीं, अरबाज खान ने छात्रों को शिक्षा के साथ-साथ अपने आपको सर्वांगीण विकास पर भी जोर देने की बात की।

**दैनिक भास्कर** भोपाल 22-09-2022  
टेक्नोक्रेट्स में एम्पल सिस्टम लैब स्थापित  
भोपाल। टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी (टीआईटी) में एम्पल सिस्टम लैब का उद्घाटन केएजेमिनी के वीरधर संखलकण सुनील सिंघानिया, पुनीत कुमार, प्रोग्राम मैनेजर सौरभ नारायण विन्वास एवं सीनियर मैनेजर सुशील रथी बाण्ट के द्वारा किया गया। इस लैब में एम्पल कंपनी के अत्याधुनिक वर्क स्टेशन स्थापित किए गए हैं जिसमें कि एम्पल की आधुनिक एम 1 चिप के साथ 8कोर सीपीयू एवं 7कोर जीपीयू है। जिससे की छात्रों को एडवॉंस नेटवर्किंग सिमुलेशन तथा क्लाउड टेक्नोलॉजी में कार्य करने में तथा इन टेक्नोलॉजी को सीखने में मदद मिलेगी। इस अवसर समूह अध्यक्ष साधना करसोलिया, वाइस चेरमैन सौरभ करसोलिया एवं मैनेजिंग डायरेक्टर डॉ. सुरभि करसोलिया ने उपस्थित पर बकई दी।

**दैनिक भास्कर**  
टेक्नोक्रेट्स ने मनाया आजादी का अमृत महोत्सव  
भोपाल। टेक्नोक्रेट्स समूह ने आजादी का 75वां महोत्सव बड़े हर्षोल्लास के साथ मनाते हुए नए विचारों का आत्मनिर्भरता का अमृत के रूप में आत्मसात किया। संस्थान के मुख्य संरक्षक डॉ. रामरज करसोलिया ने ध्वजारोहण किया। इसके बाद एनसीसी कैडेट द्वारा मार्चपास्ट किया गया, परेड का निरीक्षण संस्था की अध्यक्ष साधना करसोलिया ने किया और फिर परेड की सलामी ली। संस्थान के प्रबंधकण एवं उपस्थित समस्त सदस्यों द्वारा तिरंगा रैली निकाली गई। रक्षादान व स्वास्थ्य शिविर लगाया गया।

**दैनिक भास्कर** भोपाल 30-01-2023  
टेक्नोक्रेट्स और IIT रुड़की के बीच MOU  
भोपाल। आईआईटी रुड़की और मध्य भारत क्षेत्र के उत्कृष्ट तकनीकी संस्थान टेक्नोक्रेट्स समूह के साथ एमओयू हस्ताक्षर हुए। एमओयू के तहत टेक्नोलॉजी आनवन्वोरिंग, स्टार्टअप एवं इनक्यूबीशन क्षेत्र में काम करेंगे। एमओयू टेक्नोक्रेट्स समूह की ओर से डॉ. केके दिवेदी डायरेक्टर एवं प्रोफेसर निरचल कीपल डायरेक्टर कारपोरेट ट्रेनिंग तथा आईआईटी रुड़की के सीईओ-टीआईटीएस आजम खान के बीच हुआ। आईआईटी रुड़की के टी.आई.डी.एस सेल टेक्नोक्रेट्स समूह को तकनीकी, आनवन्वोरिंग एमएम प्रयोगशाला स्थापित करने में मार्गदर्शन देगे। इस अवसर पर टेक्नोक्रेट्स समूह की माननीय अध्यक्ष श्रीमती साधना करसोलिया ने हार्दिक ब्यक्त करते हुए कहा कि टेक्नोक्रेट्स समूह स्वयं की उपलब्धियों को पोछे छोड़ आगे नए सोपान स्थापित करने हेतु कार्यरत है तथा भविष्य में भी करता रहेगा।

**दैनिक भास्कर**  
टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी फार्मसी में ड्रग इन्फार्मेशन सेंटर का शुभारंभ  
भोपाल। विगत दिवस फार्मसी काउंसिल ऑफ इण्डिया के प्रेसीडेंट डॉ. मोनू एम पटेल के द्वारा टेक्नोक्रेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी फार्मसी में ड्रग इन्फार्मेशन सेंटर का उद्घाटन किया गया। इस अवसर पर पीसीआई के सम्माननीय सदस्य डॉ. दीपेन्द्र सिंह, सुशील सुदान, सुशील कुमार बंसल, धर्मन्दि सिंह उपस्थित थे। पीसीआई के प्रेसीडेंट डॉ. मोनू एम पटेल ने ड्रग इन्फार्मेशन सेंटर का उद्घाटन करते हुए बताया कि इस तरह का सेंटर किसी शिक्षण संस्थान में होना एक बहुत बड़ी उपलब्धि है। उन्होंने संस्था की प्रशंसा करते हुए छात्रों से कहा कि आप भाग्यशाली है कि ऐसे उच्च कोटि के महाविद्यालय में अध्ययनरत है एवं छात्रों के उज्ज्वल भविष्य की कामना की। संस्था के मुख्य संरक्षक डॉ. रामरज करसोलिया जी ने बताया कि इस तरह के सेंटर समय की महती आवश्यकता है।





**Bollywood Diva**  
**Raveena Tandon**



**Actor & Producer**  
**Arbaaz Khan**



**Aastha Gill**  
**Live Concert**



**Famous Indian**  
**Rapper Raftaar**



**Rock & DJ Night with**  
**Millind Gaba**



**Director**  
**Prakash Jha**



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