

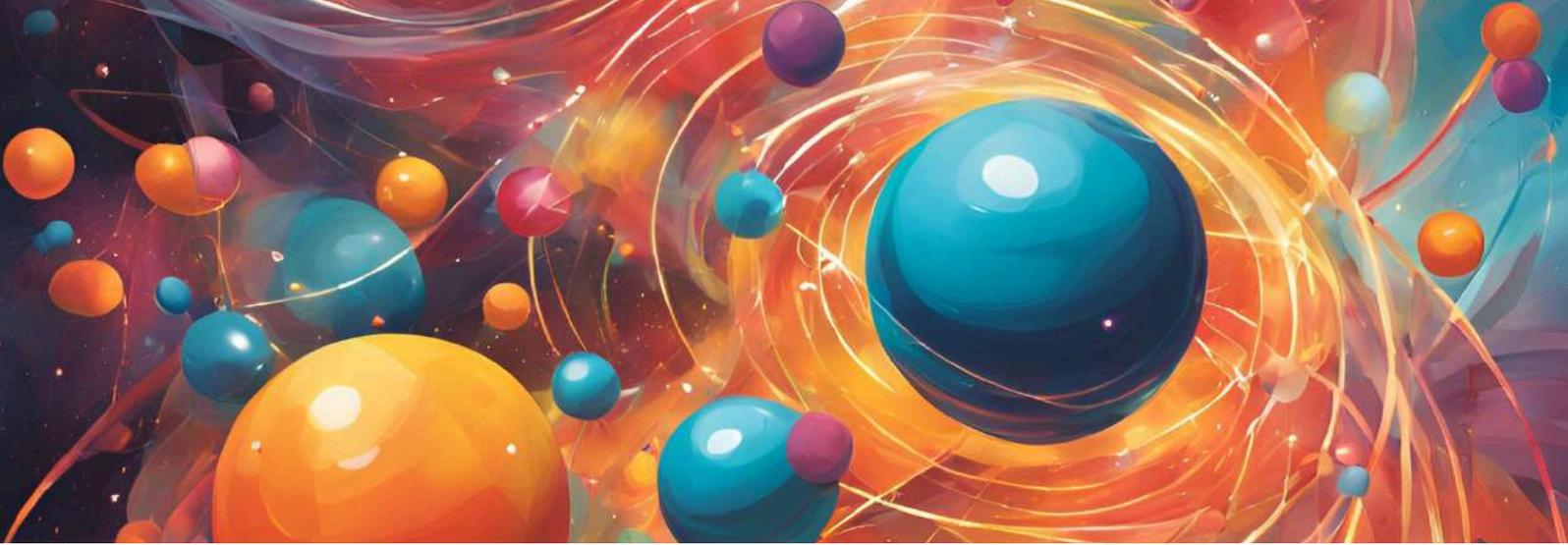


**DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES**

# **LAB TO LIFE**

**DEPARTMENTAL MAGAZINE 2025**

*Volume 1*



## THE PILLARS OF DPGITM



Sh. Gopi Chand Gahlot  
Chairman



Dr. Preeti Gahlot  
Managing Director



Prof. RC Kuhad  
Director

## FROM THE HEAD OF THE DEPARTMENT

It gives me immense pleasure to present this edition of our Departmental Magazine, a reflection of the collective efforts, achievements, and aspirations of our students and faculty. The Department of Applied Science and Humanities serves as the foundation of technical education, equipping students with the essential knowledge and critical thinking skills necessary to excel in their respective fields.

Through an interdisciplinary approach, we foster curiosity, innovation, and a deep understanding of fundamental sciences, mathematics, and communication skills. This magazine not only showcases academic excellence but also highlights the creative and intellectual pursuits of our students and faculty.

I extend my heartfelt congratulations to all contributors and the editorial team for their dedication in bringing this magazine to life. May this platform continue to inspire and encourage a culture of learning, exploration, and excellence.

Dr. Simpi Mehta  
Head of the Department  
Applied Science and Humanities



Dr. Simpi Mehta  
Head  
Applied Science & Humanities

# DEPARTMENT

of

# APPLIED SCIENCE & HUMANITIES



## YOU CAN FIND US AT

Chemistry lab-010

Physics Lab-005

Language Lab-102 (B)

Environment Research Lab-301 (B)



# NEWS & ACHIEVEMENTS



Applied Science Department signed a MoU with IIT virtual labs.



Applied Science Department has purchased Burlington English software to enhance English language skills in 1<sup>st</sup> year students.

- **Dr. Leena Chawla** and **Dr. Nisha Chaudhary** has been awarded with Ph.D. degree.
- Dr. Leena Chawla published a research paper titled “Estimation of kernel density function using kapur entropy’ in International Journal of Electrical and Computer Engineering (IJECE). She also published a research paper titled “ Kernel density estimation of Isalli’s entropy with applications in adaptive system training” in IAES International Journal of Artificial Intelligence (IJ-AI).
- **Dr. Ritu Bhatia** attended a 5-day international FDP program on AI powered tools for enhanced academic research writing organized by Amity University, Rajasthan.
- Dr. Ritu Bhatia attended and presented paper in AMGSE-2025 held at KR Mangalam University, Gurugram.
- **Dr. Simpi Mehta** attended DIDAC international conference, Indian Mobile Congress, FDP on “Energy, Sustainability, and Climate Resilience in the modern world” and “Disaster risk reduction through sustainable infrastructure”.
- Dr Simpi Mehta published a paper titled, “Applications of luminescent cyclometalated metal complexes as sensors and switches. She published another paper “ molecular docking and admet properties of novel 5-methyl-6AH-benzo [4,5] oxazolo [3,2-A] quinolin-2-ol derivatives for their anti-cancer activity.
- She published a book chapter “Future of renewable energy resources in India”.



**Dr. Rimmy** published a book “ Environmental Impact Assessment-A journey to sustainable development” with springer Nature.

She also published a review paper titled “A Review on Recent Trends and Future Developments in Electrochemical Sensing” in ACS Omega.



# REACTION ZONE

LET'S PEEK INTO  
THE



Dr. Simpi Mehta  
Department Head  
M.Sc. Ph.D. (Chemistry)



In continuation to foster collaborative initiatives for our student's growth and development, we had the incredible opportunity to delve into interdisciplinary possibilities and engage with leads at Plastic Omnium, Manesar.

During the visit, the vital Environment Health and Safety (EHS) department was explored, gaining invaluable insights into job readiness and career paths in this field. Moreover, students eagerly inquired about internship prospects, and they were truly inspired to learn internship opportunities in Mechanical, Electronics, and Data Science domains by the leads.

Mar 21, 2024  
Industry Visit - Plastic Omnium, Manesar

Indian Mobile Congress- 2024  
DPGitan's attended the IMC 2024 at Bharat Mandapam, New Delhi, where the future of 5G, AI, and next-gen technologies took center stage. The event provided a platform for insightful discussions on how these cutting-edge technologies are poised to drive digital transformation across various industries.



**Dr. Dhananjay**  
Assistant Professor  
Msc. Ph.D. (Physics)



**Dr. Nisha**  
Assistant Professor  
Msc. Ph.D. (Physics)

# NEWTON'S NOOK

## WHAT'S HAPPENING IN

Students explore cutting-edge research facilities at Institute of Genomics and Integrative Biology (IGB).



## ONEDAY VISIT

## NATIONAL SCIENCE DAY



### डीपीजी आईटीएम इंजी. कॉलेज में राष्ट्रीय विज्ञान दिवस मनाया गया

दिल्ली, 28 नवंबर (एन.डी.एन.) - डीपीजी आईटीएम इंजी. कॉलेज में राष्ट्रीय विज्ञान दिवस का आयोजन हुआ। इस अवसर पर विज्ञान के क्षेत्र में अग्रणी व्यक्तियों की प्रशंसा की गई। कार्यक्रम में विद्यार्थियों को विज्ञान के महत्व के बारे में बताया गया।



To enhance the innovative ideas by youngsters in form of ppts and poster making competition ASHD in association with ECE, EE, ME department organized one day technical event on the occasion of National Science Day.

### IN THE NEWS



Dr. Ritu Bhatia  
Assistant Professor  
MSc. Ph.D. (Mathematics)

# CALCULAS CORNER

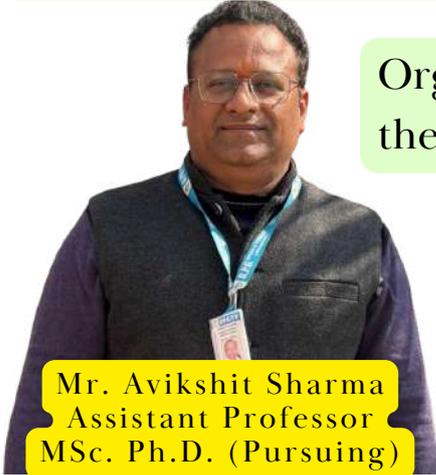
LET'S MOVE TO THE



Dr. Leena Sharma  
Assistant Professor  
MSc. Ph.D. (mathematics)

Department of Mathematics conducted quiz and best presentation competition for building confidence and developing critical thinking skills.

A seminar on PRIORTIZE YOUR HEALTH FOR BETTER FUTURE was organised where Dr. Neha Rastogi (MBBS, MD, DM, FMRI, Gurugram) delivered a lecture. The event was coordinated by Dr. Ritu Bhatia.



Mr. Avikshit Sharma  
Assistant Professor  
MSc. Ph.D. (Pursuing)

Organised a one day trip to wildvadi theme park

Department of Mathematics collaborated with SEBI and AMFI to organize a special investor awareness program on “ financial independence through investments” for faculty members and students. The event was coordinated by Dr. Leena Chawla.





Dr. Rimmy  
Assistant Professor  
MSc. NET, Ph.D.

STEP FORWARD  
TO EXPLORE

# NATURE'S NUCLEUS



Dr. Mamta Devi  
Assistant Professor  
MSc. NET JRF, Ph.D.

We have environment club at DPGITM named

**Youth and Biosphere Club**

The club celebrates World Earth Day and World Environment Day annually.



In association with Civil Engineering Department, Youth & Biosphere Club and ASHD department organized a visit to TERI GRAM. The students got immersed in a rich tapestry of sustainable living and ecofriendly practices. They learned about environmental conservation and green building.





# GRAMMAR GALAXY

LET'S DIVE INTO THE



Ms. Kritika  
Assistant Professor  
BA, MA (English)



Ms. Vandana Kaushik  
Assistant Professor  
BSc, MA, Ph.D. (English Pursuing)

To promote the invaluable habit of reading, the Literary Club & Applied Sciences and Humanities Department hosted its annual "Book Review Presentation"



The event saw active participation from over 150 first-year B.Tech students, who demonstrated their passion for reading and literary critique.

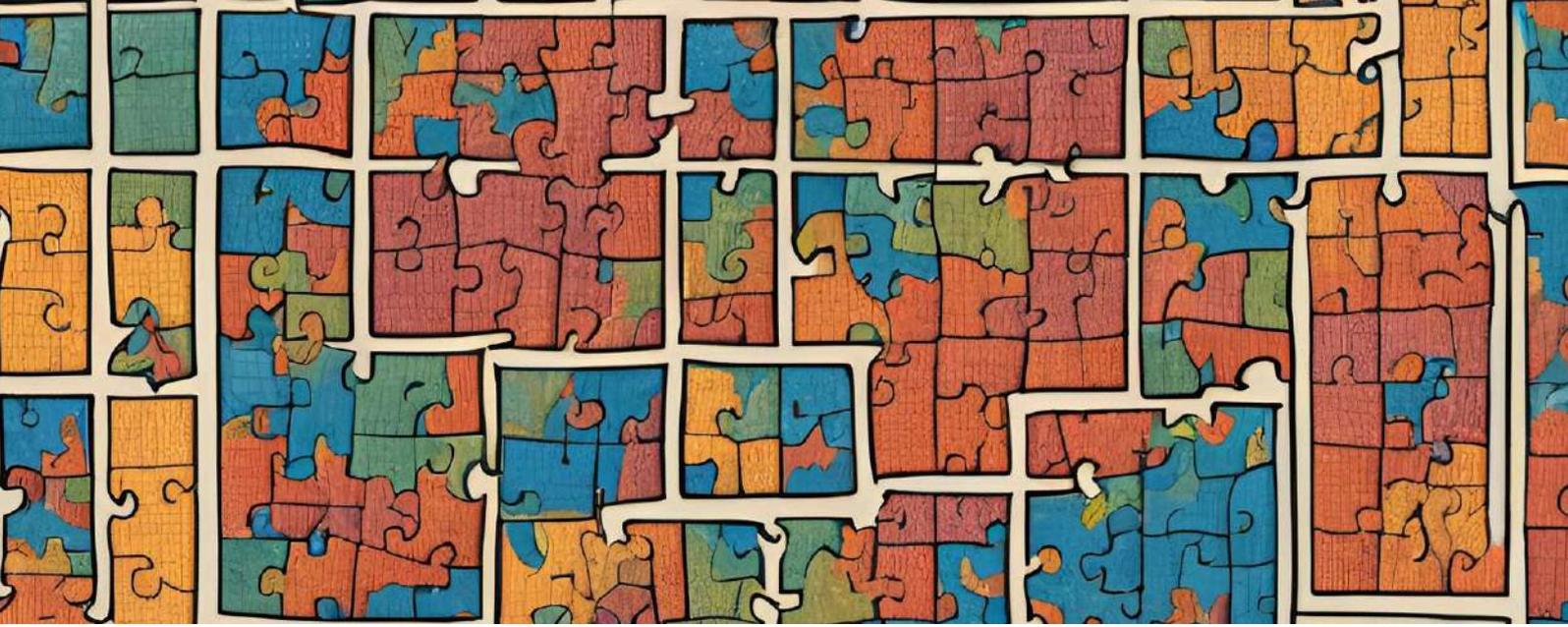




# FRESHER'S PARTY 2025

Every year Department of Applied Science & Humanities organizes fresher's party to welcome first year students.





# Brainstorming

1. What travels at 299,792 kilometers per second, yet never arrives late? What am I?
2. If you have 30 red socks, 20 white socks, and 10 blue socks, how many will you pick to get at least 1 matching pair without looking?
3. Which element's name means 'moon' in Greek?
4. What goes up but never comes down?
5. Can run but never walks, Has a mouth and never talks, Has a head but never weeps, Has a bed but never sleeps?
6. I pull everything down, yet you can't see me. What am I?
7. I add six to eleven and get five. How is this correct?
8. What question can you never answer yes to?
9. How do you spell COW in thirteen letters?

## Answers

1. Light, 2. Four 3. Helium 4. Age 5. River 6. Gravity 7. What time is it? 11 + 6 = 5 o'clock
8. Are you asleep yet? 9. SEE O DOUBLE YOU.



# LAB TO LIFE

*Lab to Life is published annually and we are delighted to hear from our alumni, staff, and students of the department. If you have any pictures or stories you would be willing to share please do get in touch.*

Edited by: ASH department

Designed by: Dr. Rimmy

Printed by: Aakarshan Printing

Department of Applied Science & Humanities

Chemistry Lab-010

DPG Institute of Technology & Management

Gurugram-122004

Email:

[head.ashd@dpgitm.ac.in](mailto:head.ashd@dpgitm.ac.in)

[info@dpgitm.ac.in](mailto:info@dpgitm.ac.in)