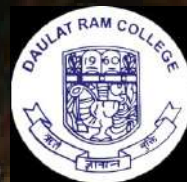




LUMINEUX



Annual Newsletter of The Physics Department
SEVENTH EDITION

"There is no science in the world like Physics. Nothing comes close to the precision with which Physics enable us to understand the world around us"-Albert Einstein

OUR MENTORS



Dr. Savita Roy initiated the Physics Department of Daulat Ram College and it is her immense support and guidance that the department has been achieving excellence and will continue to do so. She has inspired all of us by her efforts, discipline and in many noble ways. Her warm and welcoming nature makes her a delightful human, in person. Over the years her dedication, curiosity and love for Physics subject has been remarkable. It is a pleasure to be lead and represented by such an astonishing personality.

Dr. Onkar Mangla is the backbone of the Physics department. His incomparable teaching ability and focus on providing the best resources for his students are unparalleled. His extensive knowledge in the subjects he teaches reflects his passion for teaching as well as learning. He leaves no room for error in his teaching and is a master of his subject.



Dr. Renu Singla is an extremely talented and professional professor. She is highly supportive and kind towards her pupils. Dr. Singla possesses profound knowledge in her field and believes in repeating the topic until everyone in the class understands it. Her adherence to the department is worth its weight in gold. We look forward to upcoming years of cherishing her.

Dr. Omwati Rana makes her lecture interesting by focusing on the concept of the topic and always being ready to address the doubts of the students. With her motivational words, she encourages the students to work hard in the subject and volunteer in various competitions. She gets things done with utmost perfection in every college or departmental event. She is a true inspiration to students molding them into their best version.



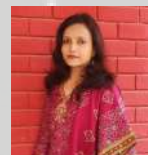
Dr. Nisha Bala is a jolly individual, she always has a smile on her face and keeps the classroom environment chill yet very educational. She always reaches out with helping hands to her students. She enthusiastically takes part in department activities and puts immense hard work into her lectures. Her contributions to the subject is exceedingly valuable. We look forward to growing under her sunshine.

Dr. Manoj Giri teaches with nuance and a gentle soul. His approach to complicated topics makes them enjoyable and easy to grasp for novice students. His nuanced teaching ability reflects his wealth of knowledge. He's always conscious of providing the best to his students and helps them independently solve problems with the correct guidance.



Dr. Shivani Agarwal is the most dynamic and approachable professor to her students. She uplifts her students' motivation and encourages them to work hard on their careers in this huge competitive world. Her lectures are interactive and highly informative with great examples. She shares her experiences and brings out the desired result from the students.

Ms. Manisha Meena is a devoted and diligent professor. Her lectures are stimulating and she encourages us to be creative and think about the solutions to the problems ourselves. She is empathetic towards her students and provides an atmosphere where students can freely ask queries and are tutored. Her efforts and commitment to her work and her apprentices are priceless. Yearning to be influenced by noble qualities.



Dr. Neeru Sehdev is best known for her attention to detail and emphasis on discipline. Her methodical approach to teaching is admirable. She makes sure each and every student understands and does not hesitate to ask questions. She strives to see her students succeed and imbibes her emphasis on diligence and sincerity amongst all of us.

EDITORIAL NOTE



Shivani
3rd Year

Thank you for considering me worthy of the position of Newsletter Editor of LUMINEX for the year 2023-24. It is with immense pleasure that we are releasing the seventh edition of LUMINEX. It is very close to my heart, especially since being an editor, it is composed, putting my heart and soul into this newsletter. All the articles, poems and short stories depicts the creativity of DRC-physicists. All the achievements, the different games and competitions shows physicists are nothing short of all- rounded heroes. So, presenting you a piece of ourselves LUMINEX 2023-24. On the closing note, I would like to quote a saying of James Clerk Maxwell, which goes like "The truth is that teamwork is at the heart of great achievement" to appreciate the hard work of the Editorial Team for making LUMINEX 2023-24 a success. We hope you like it. Happy reading!



Pearl Gupta
2nd Year

Welcome to the seventh edition of Lumineux, the annual newsletter of Coherence, The Physics Association. Whether you're a seasoned member or new to our community, I'm thrilled to welcome you all. Lumineux is more than just a newsletter—it's an invitation to embark on a personal journey to explore the beauty of physics. As you delve into its pages, I encourage you to discover and interpret the wonders within in your own unique way. Let Lumineux serve as a wellspring of inspiration and appreciation for the captivating world of physics. Your involvement in Coherence is invaluable, and together, we continue to illuminate the path ahead. Thank you for being a vital part of our community; your contributions enrich our collective journey. Let's move forward together with boundless curiosity and unwavering enthusiasm as we explore the mysteries of the universe.



Vidhushi Shivare
President

I am grateful to coherence for making me who I am today . While taking admission in Physics department I was sceptical about it how things will go and today while writing this I reflect on my journey with immense appreciation ,from neophyte to President of Coherence . From an introvert to exploring and excelling in the fields along with academic. I served as Joint Secretary for the term 2022-2023 .With hardwork, support and guidance from department members I was elected as President for the term 2023-24. I extend heartfelt thanks to teachers and all the members of department for believing me. Coherence transcends its name, imparting not only academic knowledge but also essential life lessons on diligence and ambition. Luminex ,inspires others to pursue their dreams ,thankyou to almighty I am a part of this. These three years are etched as the most memorable moments of my life, a testament to the power of perseverance and self-discovery.. Thankyou Coherence !

UNION MEMBERS



Vidhushi
President



Ruchita
Vice-President



Aditi
Secretary



Anju
Cultural Secretary



Manya
Treasurer



Anjali
Joint Secretary



Samarpita
Co-Joint Secretary

EXTENDED UNION MEMBERS



Vainnavi
Graphic Designer



Anjali
Graphic Designer



Shivani
News letter Editor



Pearl
News letter Editor



Swastika
Social Media Handler

EVENTS OF 2023-24

TEACHER'S DAY

"गुरुब्रह्मा गुरुविष्णु गुरुदी महेश्वरा गुरुसाक्षात् परब्रह्म तस्मै श्री गुरो नमः "

Coherence, the Physics Association's 2023-24 session kicked off with a spirited celebration on Teacher's Day. The event began with a cake-cutting ceremony and teachers receiving heartfelt greeting cards. Ruchita, the event's anchor, welcomed the distinguished guest, Principal Prof. Savita Roy, and Onkar sir and Nisha mam shared their insights. The atmosphere was further energized with a screening of the "Mission Mangal" video, and musical enchantment by third-year students Shivani and Santhra. Dr Omwati mam added grace with a beautiful dance performance. The festivities included engaging activities like "Truth and Dare" involving teachers, students, and lab staff, as well as a lively "Lemon Race." The event concluded on a joyous note with the distribution of prizes to game winners and a group photograph capturing the happiness of all attendees.



VISIT TO PARLIAMENT

On September 20th and 21st, 2023, our Daulat Ram College got a fantastic chance from the Government of India to visit the new Parliament House in Delhi. The goal was to help us understand how this important symbol of India's democracy works. We were excited as we reached the Parliament House complex at 11:00 AM and got in after some security checks at noon. The tour started with a visit to the Rajya Sabha, which is like the upper house of India's Parliament. The place was amazing, with impressive seating for the members, beautiful wall details, and big chandeliers that made it feel royal. During our visit, we got to see how the Parliament House works, which was a big privilege. This trip to the New Parliament House wasn't just educational; it was also inspiring. We're thankful for the chance to see this special building and learn about its history. Overall, the visit was unforgettable and taught us a lot.

EVENTS OF 2023-24

INAUGURAL LECTURE

Coherence, the Physics Association at Daulat Ram College, University of Delhi, organized its inaugural lecture on 22nd September 2023. Dr. Sarvesh Kumar, an E-scientist from IUAC, delivered a captivating talk on "Accelerator Machines: Excellent Tools of Physics." The event commenced with the lighting of a lamp and Saraswati Vandana. A video highlighting the department's activities was presented, followed by Mrs. Savita Roy welcoming Dr. Sarvesh Kumar to the stage. Dr. Kumar's enlightening lecture discussed the history of the Pelletron, beam optics, and the CERN Large Hadron Collider, offering valuable insights into accelerator machines and their applications. He encouraged students to explore the Inter-University Accelerator Centre. The event concluded with Principal Mam recognizing union members and expressing gratitude for its success.



UNLOCKING THE QUANTUM WORLD

On 30th September, the Physics Department of Daulat Ram College organized a seminar on quantum mechanics. The day comprised two lectures delivered by distinguished and eloquent speaker Prof. Ajoy K. Ghatak, a former professor of physics at IIT Delhi. The first lecture talked about the evolution of quantum theory and Schrödinger's equation and the second lecture consisted of the simple solutions of the Schrödinger's equation and their physical interpretation. A quiz was organized at the end of the lecture for 2nd and 3rd-year students on quantum mechanics. The winners were awarded the book Quantum Mechanics: Theory and Applications by Prof. Ajoy K. Ghatak.

EVENTS OF 2023-24

VISIT TO CSIR-NPL

The Physics Department of DRC organized the two visits to the CSIR-National Physical Laboratory (NPL) Pusa Road, Delhi. NPL celebrated its open day on 4th October 2023, participants attended lectures and visited various labs. NPL is a national standards laboratory of India that maintains the standards of SI units in India and calibrates the national standards of weight, frequency, time, and measurements. The students were given a tour of the campus of NPL, where they visited different labs. Students learned about Nitrogen helium plants, visited different laboratories with films for measuring pollution, and saw Instruments to check the life of concrete without breaking it. These visits help students in developing research aptitude.



FRESHERS MEET '23

Every student eagerly awaits right from their time of admission for the most remarkable event of the college "FRESHER'S PARTY." The 6th of October was a memorable day in the life of a fresher for the Physics department students, at Daulat Ram College. It is the day seniors and juniors finally bond and unite to celebrate being part of the college. Freshers were welcomed in the department. The students introduced themselves and showcased their talents through ramp walk, talent hunt and questionnaire. They proceeded to the Sadhbhavna bhavan for the rest of the program. The Fresher's Day was filled with excitement, joy, music, enthusiasm, laughter, and happiness.

EVENTS OF 2023-24

IISF: INDIA INTERNATIONAL SCIENCE FESTIVAL 2023

The India International Science Festival (IISF) is a collaborative endeavour between Ministry of Science and Technology, Ministry of Earth Sciences, Department of Space and Department of Atomic Energy in partnership with Vijnana Bharati - a science movement spearheaded by scientists of the nation with swadeshi spirit. The four day event held at Regional Centre for biotechnology, Faridabad consisted of 50+ events like Students Science Village, Face to Face with New Frontiers of Science and Technology, Science through Games and Toys, Space Hackathon, Vigyanika-Science Literature Festival, Young Scientist conference, New Age Technology Show, Women Scientists and Entrepreneurs Conclave, etc. Many people participated in the events. They brought their own innovations and models. The DRC students volunteered in National Science Teachers Workshop. Teachers who came from all over India, Participated in the workshop. The festival was also visited by many eminent personalities including Dr. S Somnath (Chairman of ISRO) and Shri Manohar Lal Khattar (Chief Minister of Haryana). The event enriched students with diverse knowledge, igniting motivation and a hunger for new learning. They absorbed invaluable exposure, fostering readiness to embrace fresh experiences and expand their understanding.



EVENTS OF 2023-24

NEW DELHI WORLD BOOK FAIR

On February 10, 2024, Daulat Ram College treated its students to an enriching experience at the prestigious New Delhi World Book Fair (NDWBF). Celebrating its 50th anniversary, NDWBF 2024 was held from February 10 to 18 in the newly constructed Halls 1-5 at Pragati Maidan, New Delhi. Organized by the National Book Trust, India, with the support of ITPO, the fair attracted attention as a cornerstone event in the publishing world. The college's thoughtful arrangement of transportation ensured smooth travel for the students. They immersed themselves in a diverse array of cultures and literature, with countries like Egypt and Saudi Arabia offering captivating insights. This outing provided invaluable learning opportunities, broadening students' perspectives and fostering a deeper appreciation for global literature and cultural exchange.



IUAC- POSTER MAKING COMPETITION



IUAC (Inter-University Accelerator Centre) Organized a Poster-making competition on 14th October 2023 on the topic "The contribution of Indian scientists in the freedom struggle and national empowerment, Divine flow of knowledge of Indian scientists and scientific symbols before independence." Dr. Ambuj Tripathi, Mr. Praveen Ram Das Publicist in Vigyan Bharti), Prof. Jayanti Dutta (Human Resource Department, Punjab), Prof. Sanjeev Kumar (CEO of BrahMos Aerospace) and Prof. Ruchir Gupta (IIT, Varanasi) were invited as the Chief Guests of the Event. The students enthusiastically participated in the event and showed their creativity with their beautiful, clever, and innovative posters.

EVENTS OF 2023-24

CELESTE'23-THE ANNUAL DEPARTMENTAL FEST

CELESTE is the big annual celebration organized by the Physics Association of Daulat Ram College. The latest one, Celeste'23, happened on April 6, 2023, in the conference hall. It was a day filled with exciting events where students could show off their skills and have a good time. The fest started at 8:30 am with all the teachers, students, and participants. There was even some classical dance and music to set the mood. The Physics Association planned various activities for everyone. First up was Logic Arrow, a debate about whether making education private might slow down the country's progress. Lots of students joined in. Then, there was Dashing Dumb, a fun game of charades. After that, Avinya took place, where students shared their thoughts on starting their own businesses.

Following this was Addam's Almanac, a quiz about the famous web series "Wednesday", held online so that students from different colleges could join. The most entertaining and artistic students got a chance to shine in Cercami, The Talent Hunt Show. The day ended with the thrilling Mayhem-Driven treasure hunt. Students got to form their own teams and had a blast searching for hidden treasures. It was a lot of fun. Fotografia, an online photography competition on April 4th, had the theme "evolution of time." The fest wrapped up with the respected principal, Dr Savita Roy, sharing encouraging words and congratulating the winners. It was a day full of fun, learning, and talent!



EVENTS OF 2023-24

SCIENCE DAY 2024

On the vibrant occasion of Science Day 2024, the Physics and Zoology departments came together to organize a captivating reel and rangoli making competition centered around the theme of sustainable development. The students, brimming with enthusiasm and creativity, participated wholeheartedly, crafting rangolis and reels that not only showcased their artistic talents but also conveyed insightful messages on sustainability. As the colorful displays adorned the campus, they served as powerful reminders of the importance of preserving our environment and promoting sustainable practices. Each artwork told a story, urging viewers to reflect on their impact on the planet and the urgent need for positive change.

On March 1, 2024, as the nation celebrated National Science Day in collaboration with Indraprastha Vigyan Bharati, the excitement reached its peak. Dr. Brajesh Pandey, the esteemed Executive Director of INSA, graced the occasion with his presence and delivered a thought-provoking lecture on "Learning from Real-Life Experiences." Through compelling anecdotes and insightful reflections, Dr. Pandey inspired the students to embrace curiosity, explore the world around them, and draw valuable lessons from their everyday experiences.

Following the enlightening lecture, the eagerly awaited results of the reel and rangoli making competitions were announced, adding an extra layer of excitement to the festivities.

The Winners were:

Reel Making:

Winner-Team Riya, Varnika and Siddhi(2nd year)

Runner up-Team Stuti, Ankita and Shikha (2nd year)

Rangoli Making:

Winner-Team Madhu, Anjali and Muskan(2nd year)

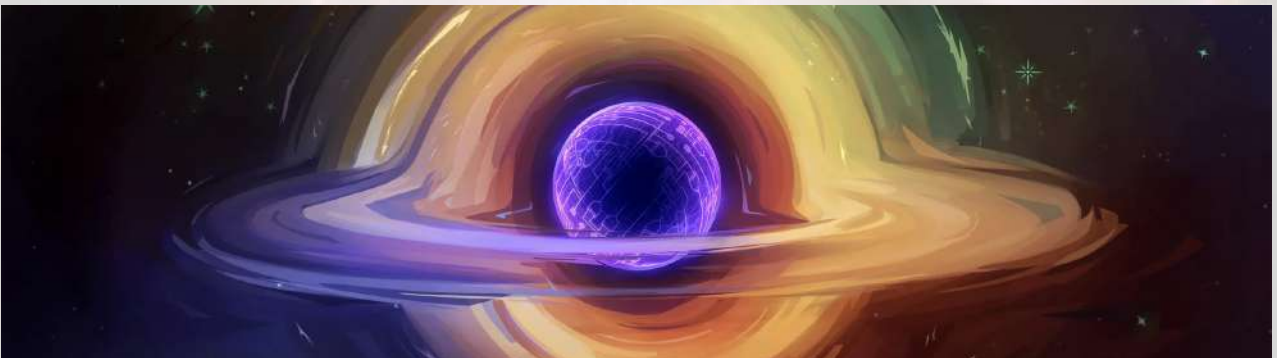
Runner Up: Team Anupam and Shreya (2nd year)



LATEST IN PHYSICS



Nobel Prize 2023 in Physics has been awarded to Pierre Agostini, Ferenc Krausz and Anne L'Huillier “for experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter.” They were acknowledged for their exploration of the world of electrons within atoms and molecules. According to the official statement, the Nobel Laureates in Physics for 2023 have achieved the remarkable feat of generating ultrashort bursts of light. These bursts have the potential to precisely gauge the swift processes by which electrons shift and alter their energy levels



It's an old problem in physics: Quantum mechanics describes the world one way, Einstein's theory of gravity another, and when the two come together you get nonsense. Some scientists, like Renate Loll, believe that gravity must be quantized; others, like Jonathan Oppenheim, would bet against that idea. While Loll has pioneered a computationally driven approach to quantum gravity that involves deriving the shape of space-time from first principles, Oppenheim is searching for an even deeper fundamental “something” that might connect the two. And yet quantum gravity keeps showing up in the solutions to seemingly intractable paradoxes.

A group of leading theorists believe they've pinpointed the mistake that led to Hawking's famous black hole information paradox, in which indestructible information inside a black hole is seemingly lost as the black hole evaporates. Hawking's apparent mistake was that he (and the generations of physicists that followed) didn't realize that the normally reliable “semiclassical” treatment of gravity can't handle the complexity of states a black hole can produce, unexpectedly breaking down at the black hole's outer surface. The group has now developed a more sophisticated theory of gravity that can handle the region just inside the event horizon and doesn't violate any current experimental data.

WOMEN IN PHYSICS



Gender disparities in physics are, of course, far from being a new topic of discussion. In 2002 *Physics World* ran an article about female physicists that featured comments from Anne L’Huillier, who said she believed that having female physics professors as role models would encourage more girls to pursue the subject. In 2023 L’Huillier was one of three winners of last year’s Nobel Prize for Physics. In doing so, she became the fifth woman in history to win the award, recognized for her work on attosecond pulses.

Over the last year, *Physics World* has also given plenty of coverage to the careers of women in physics, highlighting the diversity of contributions made by female physicists, which stretch from biophysics and quantum physics to materials and astronomy and cosmology. The women profiled have forged careers not only in academia but also in finance, science communication, software engineering, teaching and even science policy, in the form of Cathy Foley — Australia’s chief scientist. What’s more, some have projects in both academia and industry — such as Silvia Vignolini, who spoke about building start-ups from her photonics research.

Many of the women profiled spoke about the changing attitudes towards women in physics, as well as persistent problems. Astronomer Wen-fai Fong encouraged younger researchers to focus on the science, saying “Women are still under-represented in physics but I never fixate on that.” Meanwhile, in her interview with *Physics World*, theoretical physicist Nicola Spaldin spoke about her role on the European Research Council’s Scientific Council, which has recently changed its evaluation criteria to reflect the fact that female scientists are often less able to migrate for work than their male counterparts.

The female physicists featured in *Physics World* last year were united by their curiosity and their drive to push at the boundaries of our knowledge of the universe. This collection of stories shows that, despite existing challenges for gender equality, the work of women in physics is not, and has never been, a separate narrative from that of physics as a whole.

INDIA'S 1ST SPACE MISSION CREW REVEALED



India has unveiled four Air Force pilots who have been shortlisted to travel on the country's maiden space flight scheduled for next year.

The Gaganyaan mission aims to send three astronauts to an orbit of 400km and bring them back after three days. India's space agency Isro has been carrying out a number of tests to prepare for the flight. In October, a key test demonstrated that the crew could safely escape the rocket in case it malfunctioned. After its success, Isro said a test flight would take a robot into space in 2024, before astronauts are sent into space in 2025. At a function at the Isro Centre in the southern city of Thiruvananthapuram (formerly Trivandrum) on Tuesday, the four astronaut-designates were described as "dreamers, adventurers and valiant men preparing to go into space".

The officers, chosen from the Indian Air Force, were introduced as Group Captain Prashanth Balakrishnan Nair, Group Captain Ajit Krishnan, Group Captain Angad Pratap and Wing Commander Shubhanshu Shukla.

Prime Minister Narendra Modi and Isro chief S Somanath pinned badges with golden wings onto their shirts and Mr Modi described them as "India's pride".

"These are not just four names or four people. They are four powers who will carry the aspirations of 1.4 billion Indians to space. I congratulate and wish them all the best," he said. Officials said the men were selected from a pool of Air Force pilots and had undergone extensive physical and psychological tests before being shortlisted.

They have undergone rigorous training for 13 months in Russia and are now carrying on with their grueling schedule back home. A video screened at the event showed them working out in the gym, swimming and doing yoga. On Tuesday, Isro also showed a glimpse of Vyommitra - Sanskrit word for "space friend" - the female humanoid that will be sent into space later this year.

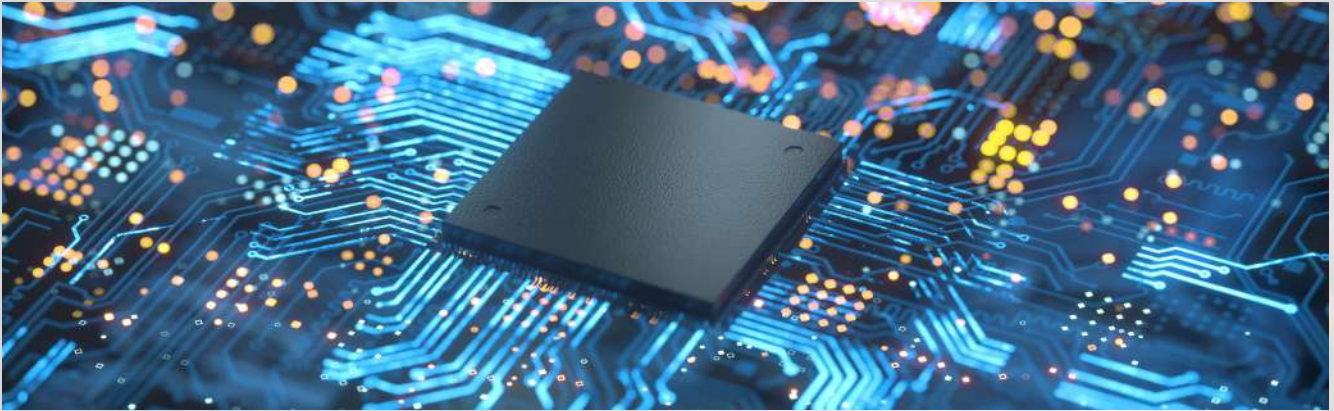
The Gaganyaan Mission is India's first human space flight programme for which extensive preparations are underway at various Isro centers.

Named after the Sanskrit word for craft or vehicle to the sky, the Gaganyaan project has been developed at the cost of 90bn rupees (\$1bn; £897m).

If it succeeds, India will become only the fourth country to send a human into space after the Soviet Union, the US and China.

-Source BBC NEWS

"EMPOWERING INDIA'S SEMICONDUCTOR INDUSTRY"



In the grand tapestry of India's envisioned future, the year 2047 stands as a pivotal milestone, heralding the realization of Vikasit Bharat—a nation propelled to the forefront of scientific and technological prowess. One of the rapidly growing industries is the semiconductor industry. The Semiconductor Association (SIA) announced global semiconductor industry sales totaled \$526.8 billion in 2023 and is projected to reach \$990 billion by 2030. India's semiconductor sector is poised for exponential growth, having already reached around \$8 billion in revenue in 2023.

Semiconductor devices, primarily integrated circuits (ICs) such as computer processes, microcontrollers, and memory chips (such as NAND semiconductor device fabrication is the process used to manufacture flash and DRAM) form the backbone of modern electronic devices. Silicon is almost always used, but various compound semiconductors are used for specialized applications.

From 2024 to 2030, the semiconductor market displays a consistent and positive growth direction, indicating a favorable outlook for the industry, driven by factors such as increasing consumer demand, advancements in technology and shifting consumer preference. A significant catalyst for this growth is increasing consumer awareness of health and wellness. The heightened consciousness has resulted in a surge in demand for semiconductor products that are perceived as healthier and more natural alternatives. Furthermore, technological advancements within the semiconductor industry have led to the emergence of more efficient and sustainable production methods, further enhancing market growth.

India, having significant reserves of silicon minerals, holds immense potential to emerge as a global leader in the semiconductor arena. As per the National Mineral Inventory (NMI) database, the country boasts substantial reserves of quartz and silica sand, estimated at 3907.95 million tonnes. States like Haryana, Rajasthan, Andhra Pradesh and Tamil Nadu collectively account for a substantial portion of these resources. Leveraging these abundant resources, Bharat has the capacity to revolutionize the semiconductor industry. Such growth wouldn't solely boost the economy and GDP but also present a lot of employment opportunities for its citizens, thus boosting socio-economic development.

In conclusion, the semiconductor industry holds immense promise as a catalyst for India's journey towards Vikasit Bharat in 2047. By harnessing its abundant resources, fostering innovation, and nurturing talent, India can carve a niche for itself on the global semiconductor stage, driving economic prosperity, technological advancement, and societal well-being for generations to come.

-Pearl Gupta (2nd year)

YAMUNA'S PLEA FOR PURITY



I, Yamuna the 2nd largest tributary river of the Ganga originate from the Yamunotri glacier. Like my sister Ganga, I'm highly venerated in Hinduism and worshipped as the goddess Yamuna. I am the daughter of Surya and sister of Yama. Being the longest river, about 57 million people depend on me for their survival.

Ironically, I think people have forgotten my importance and doing a lot of water pollution by

throwing waste into the water. Due to this, I am turning into a polluted river from the purest

River.

Even knowing that I give life to them they continue to corrupt me. Many times I have tried to

convince people with my high waves and sound. Don't pollute me but people do not pay any attention to me. They are constantly polluting me. They have changed my color from blue to dirty green-yellow.

I'm in pain please someone try to feel my pain and try to clean me. There is no more aquatic life inside me.

I want to ask the owners of the factories what kind of satisfaction they are getting by polluting me.

It makes me more polluted if it does not stop then I will definitely become a dead river in the future.

Please listen to me.

Please don't pollute me.

Please give back my purity.

I think now it's a hard time and everyone has to think about me, about other rivers which were getting polluted only by the chores of humans.

I think this problem can be solved with everyone's cooperation and I can be returned to my

purity.

Thank you

-Shivani(3rd year)

STAR STUDENTS (2022-2023)



Sristi Shamarthi das
M.sc. in atmospheric science
NIT Rourkela



Riddhi Malhotra
Msc tech Engineering Physics
NIT Warangal



Hooriah Lodi
Msc in applied mathematics
and physics ,University of Dublin



Mehak Gupta
MSc Physics with Astrophysics
IUCAA-SPPU, Pune



Manisha Yadav
Msc Physics
NSUT



Mansi
M.Sc. Physics
IIT Delhi



Divyanshi Saini
Msc Physics
IIT Mandi



Aditi Sharma
Msc Physics
DTU



Ashi Chaudhary
Msc Physics
Delhi University

ARTISTA SCRIBE

बदल दे तकदीर

उम्मीद की किरण से, बाँध दे शमा को।
मजबूत इरादों से, लांघ दे आसमां को।।
देख तेरी मंजिल, तेरी राह देख रही है।
आज तू कर फ़तह, खुद के अरमां को।

वक्त है तुम्हारा, वक्त तुम्हीं से बदलेगा।
साध दे लक्ष्य को, पत्थर भी पिघलेगा।
थामकर चलता चल, मन की डोर को।
इस माया नगरी में, तेरा मन भी मचलेगा।

यकीन रख खुद पर, तू खुद का साथी है।
तू तम को हरने वाला, ज्योत की बाती है।
मत खो हौसला को, एक छोटी हार से।
हर हार के बाद, जीत की बारी आती है।।

जो अडिग रहता है, हर मुसीबत में यहाँ।
एक दिन उसी के पीछे, चलती है कारवाँ।
बनकर असि चीरता जा, तू हर तूफ़ां को।
अगर बदलना है कुछ, बदल दे तकदीर को

Anshu Priya (3rd Year)



Vaideeka Meena (3rd Year)



Simran Singla (2nd Year)



Sanjukta Singha (2nd Year)

ARTISTA SCRIBE

YOU'RE LOSING ME

"I'll pick you up?"

"No. I...", "Oh. Okay."

He turned his eyes to the right, caught a glimpse of something, and fled off. Was it really this difficult to smell this infidelity? I knew it from the very start. I didn't fall for someone for the first time, I was not his first, but this was my first time with him. But real-life love affairs are not absent-mindedly dealt with like in movies. I was pretty cautious from the start; I didn't want to break myself before or after this thing breaks. I knew this one won't last long, because he was not the one.

Was I playing with him this whole me? No! I was just playing along with a game he thought he was winning. I didn't compete, not because I couldn't but because I wanted him to win. Okay, this will break my heart, but he will end it very politely. I do want to see his politeness, his so ness when he says he can't do it anymore. I don't want him to get up and shout and leave, while I'm crying and cursing at the floor. I'm quite a peace-lover, I want it to die slowly and peacefully. We will probably be sitting at the couch, there is a distance between us and I am uncomfortable with it. He speaks, I listen, something strikes me hard, I feel overwhelmed but I don't cry. We both smile at each other feebly and then he says what he wants or how this isn't working or like whatever. I will look into his eyes, my eyes will be blank, he is searching for some moisture in them but all he sees is the sun. He can't tolerate it, so he focuses his gaze somewhere else. He looks up again, but I don't speak, so he does, and says something I don't hear. I just feel a sudden blow of air, the room lightens, and then the light fades, I hear a creaking hinge. In the next moment he is gone. That's exactly when I let my emotions rain. The sky turns blue again and my love affair finally meets its end. The drama in this is more thrilling than the war we could have fought just to prove who can fight better. There would be revenge and jealousy and frustration, but here is a new dawn and a fresher air. A beautiful autumn followed by a cold winter and then spring and prettiest summer of my life when I might fall for someone again.

We might make it work for me, or might not. Either way, next summer will be warm and pink and beautiful !

Priya Pandey (1st Year)



Neha (3rd Year)

ARTISTA SCRIBE

The word world changed me

Let's see this world with the sight of a child, I don't know why it looks so wild All my troubles have vanished, Just a question in my mind, I wonder if this world is cruel or too kind? I'm losing life with lost in divine oblivion I doubt myself and my every decision A lot of hate and too much prejudice, I lost everything in the process of being nicel

After losing my people.
After losing my pride, I found some things explaining me wide. At last I found myself in the crowd, Now I have nothing left but I say it loud "I found myself, I found the inner me.

-Gayatri (1st Year)



Megha (1st Year)



Chetna (3rd Year)



Ekta (3rd Year)



Priyanka (1st Year)



Priyanka Prakhya (1st Year)



Ankita (2nd Year)



Ekta (3rd Year)

ARTISTA SCRIBE

In realms where understanding's veiled,
Expressions deep, emotions sailed.
A journey told, a tale untold,
Heart's whispers, a truth unfold.
Outsider in every place,
Communities, clubs, each case.
Trying to be, elusive quest,
Striving to be the very best.
A universe, a change unknown,
Yet, reality stands alone.
A person sought, who knows it all,
But understanding's elusive call.
"I don't know how," the plea resounds,
Echoes in life's complex bounds.
Not okay to feel this way,
Pushed down further, hearts dismay.
Ran from all to find a place,
Yet discomfort's cold embrace.
In this other realm, unmasked desire,
Yearning for a quiet mire.
Home is sought, but not found,
Alone, in solitude, heart bound.
Dizziness, a haunting tide,
Every cell, emotions guide.
Shakes and breaks, a shifting mold,
A person formed, not foretold.
Belief in not fitting in,
A journey where doubts begin.
Maybe I don't belong, deserve,
Endless tries, a soul to serve.
A mirror held, a wall opaque,
Die inside with each heartbreak.
Thinking persists, an endless stream,
Dying thoughts, a silent dream.
Class fourth echoes in the night,
A mother's comfort, lost in fright.
These feelings linger, haunting art,
A narrative etched, a fragmented heart.

-Swastika Gautam (2nd Year)



Simran Singh (2nd Year)



Sanjukta (2nd Year)



Ekta (3rd Year)

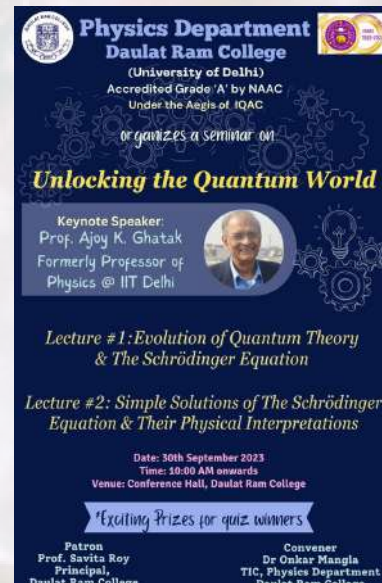


Neha (3rd Year)



Vaideeka Meena (3rd Year)

EVENT POSTERS



EVENT POSTERS

COHERENCE
THE PHYSICS ASSOCIATION
DAULAT RAM COLLEGE
UNIVERSITY OF DELHI
DBT star college, NAAC accredited grade "A" college

BRINGS TO YOU ITS ANNUAL FEST
CELESTE'23
PRESENTS
AVINYA
STARTUPS (INNOVATION RUN)

6 APRIL, 2023 11:00 AM CONFERENCE HALL

GENERAL INSTRUCTIONS
UG AND PG STUDENTS BOTH CAN APPLY FOR THE COMPETITION.
YOU CAN PERFORM IN GROUPS OF TWO OR SINGLE.
THE LAST DATE FOR REGISTRATION IS 4TH APRIL.

Scan for registration

SPONSORED BY
The Optimist Classes

For further details contact:
Ruchika Joshi 9453320290
Vishnu 9174025483

@Coherence_drc

COHERENCE
THE PHYSICS ASSOCIATION
DAULAT RAM COLLEGE
UNIVERSITY OF DELHI
DBT STAR COLLEGE, NAAC ACCREDITED GRADE 'A' COLLEGE

In its annual fest
Celeste'23
presents
MAYHEM DRIVEN
The Treasure Hunt

exciting prizes for the winner
Maximum number of participants in a team-3
3:00pm onwards
4th April 2023
Auditorium Hall DRC campus
Last date to register- 3rd April 2023

For queries & contact:
Main: 9453320290
Joshi: 9174025483
@Coherence_drc

Media partners: G20, G20 India, DBT, NAAC, UGC, AICTE, etc.
Gift partners: The Optimist Classes

COHERENCE
THE PHYSICS ASSOCIATION
DAULAT RAM COLLEGE
UNIVERSITY OF DELHI
DBT Star College, NAAC Accredited Grade "A" College

BRINGS TO YOU ITS ANNUAL FEST
Celeste'23
PRESENTS
Cercami
The Talent Hunt Show

6 April 2023 2 p.m. Conference Hall

Last date for registration: 4 April 2023

Open to all UG and PG students.

Show your talent in:
• Dance performances
• Singing, beat boxing and rapping
• Miscellaneous: poetry, mimicry, acts, storytelling etc.

Register now

Win exciting prizes!!!!

Sponsored by
The Optimist Classes

COHERENCE
THE PHYSICS ASSOCIATION
DAULAT RAM COLLEGE
UNIVERSITY OF DELHI
DBT Star College, NAAC Accredited Grade "A" College

BRINGS TO YOU ITS ANNUAL FEST
Celeste'23
PRESENTS
DASHING DUMB
The Dumb Charades Competition

Last date for registration: 4 April 2023
Theme: Science
6 April 2023 12:30p.m. Conference Hall

Instructions:
• Open to all UG and PG students.
• Entries are invited in pair of 2.
• Participants have to guess either the scientist or theory or equations.

Scan to register:

Win exciting prizes!!!!

Sponsored by
The Optimist Classes

DAULAT RAM COLLEGE
UNIVERSITY OF DELHI
in collaboration with
INDRAPRASTHA VIGYAN BHARATI
cordially invite you all to the

NATIONAL SCIENCE DAY CELEBRATIONS
FRIDAY, 1 MARCH 2024
VENUE: CONFERENCE HALL
TIME: 10 AM

Join us for an informative lecture
"Learning from Real Life Experiences"
Dr. Brajesh Pandey
Executive Director, INSA

Prof. Savita Roy (Principal)
Prof. Sarita Nanda (Vice Principal)
Dr. Darshan (Coordinator (Vibha DRC))

Dr. Puneet Misra (President, Indraprastha Vigyan Bharati)
Prof. Rajeev Singh (Secretary, Indraprastha Vigyan Bharati)

Organizing Committee (DRC)
Dr. Preeti Chadha, Dr. Divya Mathur, Dr. Nisha Bala, Dr. Anuradha, Dr. Madhu, Dr. Renu, Dr. Sunita Yadav

Daulat Ram College
University of Delhi
in collaboration with
INDRAPRASTHA VIGYAN BHARATI
is organizing
Reel Making and Rangoli Competition
on the occasion of
NATIONAL SCIENCE DAY
21 February, 2024 12 pm - 2 pm
Venue: Physics & Zoology Department

Only for DRC students
Registration Link:
<https://forms.gle/mNtMG6G4wp6YUqd6>
(Registration is mandatory)
E-certificates will be given to the participants

Principal: Prof. Savita Roy
Vice Principal: Prof. Sarita Nanda
Coordinator (Vibha): Dr. Darshan (DRC)
Secretary (Indraprastha Vigyan Bharati): Prof. Rajeev Singh
President, Indraprastha Vigyan Bharati: Dr. Puneet Misra

Organizing Committee (DRC)
Dr. Preeti Chadha, Dr. Anuradha, Dr. Renu, Dr. Nisha Bala, Dr. Shivani Agarwal, Dr. Divya Mathur, Dr. Madhu, Dr. Sunita Yadav