



Campus स्पंदन

D.A.V (P.G) COLLEGE, DEHRADUN
An IQAC Initiative



DAYANAND ANGLO-VEDIC POST GRADUATE COLLEGE

OUR MISSION

Dayanand Anglo-Vedic (Post-Graduate) College, Dehradun is one of the oldest and the largest academic institution of North India. The mission of the college is to impart quality education to its students and to make them qualified, committed and compensate individuals. D.A.V. (P.G.) College, Dehradun has the mission to expose its students to latest information at the national and international levels so that they are aware of national and global developments in their relevant academic fields.

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Editorial

ANANYA KUMAR, B.A 2ND YEAR UNKIND: A WOMEN'S PERSPECTIVE

In the layered fabric of human society, the life of a woman is often stitched with contradictions. On one hand, she is celebrated as a nurturer, a caregiver, a symbol of sacrifice. On the other, when she asserts herself, draws boundaries, or chooses dignity over silence, she is swiftly labeled arrogant, cold, too ambitious, or simply unkind. But what the world fails to recognize is that this perceived "unkindness" is not a flaw of character it is a shield forged by hardship.

Women are often expected to soften every blow, to absorb every discomfort, to live gently no matter how harshly they are treated. But a woman who has walked through emotional wounds, who has managed mental stress in isolation, who has endured physical pain without complaint, and who has been conditioned to carry the weight of both biology and bias cannot remain untouched. She is changed. She evolves.

And in that evolution, something powerful happens: she becomes resilient. She becomes measured. She becomes cautious with her energy and deliberate with her trust. She does not bow easily, and she does not break quickly. In a world that has given her many reasons to fall apart, she has taught herself how to stand tall. Not because she is unkind but because she can no longer afford to be broken.

This is the reason why society often misreads her strength. Her silence is mistaken for arrogance. Her decisiveness is called defiance. Her solitude is labeled pride. Her independence, too often, is viewed as rebellion. The truth, however, lies deeper, she is not unkind. She is invulnerable, because life gave her no other choice.

This emotional armour is not a rejection of tenderness but a result of surviving without it. It is not the absence of feeling but the mastery of self-control. These women who are misunderstood, mislabeled, and misjudged are not heartless. They are seasoned. They are wise. They are powerful in ways that cannot be defined by traditional norms.

So when a woman seems distant or firm or unswayed, pause before calling her unkind. Know that behind that composure lies a history of battles fought in silence. Know that the very society that calls her difficult, once demanded her submission. And when she refused, she was marked.

But she did not stop.

Because the journey of such women is not driven by the need for acceptance. It is built on self-respect, carved through adversity, and upheld by unshakable inner strength. These women are not just survivors, they are architects of themselves.

They are not male or female in that moment of strength - they are human. Whole. Complete. Undeterred.

And that is not unkindness. That is courage.



TANIYA SINGH, B.COM 1ST YEAR DATA IS THE OIL

"Once, oil ruled the world. Today, data does." This phrase, coined by Clive Humby, perfectly captures our era. Like oil powered the Industrial Revolution, data now drives our digital lives — but at what cost?

From Google to Amazon, tech giants thrive on our clicks, swipes, and likes. Data fuels innovation: it makes smart cities possible, healthcare more predictive, and our daily lives more convenient. Students like us enjoy personalized learning, farmers make better harvests, and businesses grow faster than ever before.

Just as oil exploitation harmed the environment, reckless data misuse can erode our trust, divide societies, and weaken the very bridges that connect us. We must not repeat history.

As responsible digital citizens, we need better data protection, informed consent, and strong ethics. Innovation must always be guided by timeless values — honesty, trust, and respect for privacy.

Indeed, data is the new oil — but it must fuel a future that unites us, not one that leaves us more isolated than before.

"Technology is best when it brings people together, not tears them apart." Let this be our guiding light as we navigate the world of data — wisely, responsibly, and always with a sense of duty to each other.



Article

DR. NAINA SRIVASTAVA FROM EARTH TO ORBIT: CULTIVATING LIFE IN SPACE

Growing plants in space is no longer just a scientific experiment—it's a necessity for the future of long-duration space travel. As humans prepare for deep space missions to the Moon and Mars, the ability to grow fresh food beyond Earth is becoming critical. Plants offer not only nutrition but also psychological comfort and a vital role in life-support systems.

Why Do We Need Plants in Space?

Astronauts on the International Space Station mostly rely on packaged and dehydrated foods. While these can last for months, they lose nutritional quality over time, especially essential vitamins. Fresh fruits and vegetables can fill this gap. Moreover, plants recycle carbon dioxide into oxygen, purify air and water, and add a sense of Earth-like calm to the sterile space environment.

Many astronauts report that caring for plants reminds them of home, giving them a sense of responsibility and reducing stress. Watching something green grow in space provides emotional support in the isolation of space missions.



Challenges of Microgravity

On Earth, gravity helps roots grow downward and stems grow upward. In space, where there is little to no gravity, plants lose this natural guidance. Roots may grow in random directions, and watering becomes difficult. Water doesn't flow as it does on Earth—it floats around in blobs. To solve this, scientists use special growing methods like hydroponics (growing in water with nutrients) or aeroponics (growing in air with a fine mist of nutrients).

Lighting is another key challenge. Since sunlight isn't directly available inside spacecraft, LED lights are used to provide the red and blue light needed for photosynthesis. These lights help control growth patterns, flowering, and plant health.

To manage all these conditions, scientists have developed growth chambers with climate control, moisture sensors, and automated light settings that create a mini- Earth for the plants to grow in.

Space Farming Systems

NASA has created special systems for growing plants in space. One such system is called "Veggie." It includes soft pillows filled with fertilizer and growing medium. Seeds are planted in these pillows, and lights above help them grow. Veggie has been used to grow lettuce, radishes, peas, and even flowering plants like zinnias.

Another advanced system is the "Advanced Plant Habitat," which allows scientists to remotely control temperature, humidity, and lighting. It includes high-resolution cameras and over 180 sensors to monitor plant health in real time. With this system, astronauts have grown dwarf wheat, mustard, and hot chili peppers—some of which they even ate after testing.



Article

How Do Plants React to Space?

Scientists have discovered that plants behave differently in microgravity. Without gravity, roots don't grow straight, and some genes become more active while others are suppressed. Plant cells adjust their internal processes to adapt to the new environment. Some plants even grow taller in space than they do on Earth.

Experiments also show that plants might pass on some of their space adaptations to the next generation through genetic memory. This could lead to the development of stronger plants that grow better in tough environments, both in space and on Earth.

These findings not only help space missions but also provide insights into how plants handle stress, drought, and poor soils. This knowledge can help improve agriculture on Earth, especially in areas with difficult growing conditions.

Growing in Lunar and Martian Soil

Another major experiment is growing plants in soil similar to that on the Moon or Mars. Real lunar and Martian soil is dry and lacks nutrients. It may also contain harmful chemicals. Scientists have tested plants like tomatoes and *Arabidopsis* (a small flowering plant) in fake lunar soil to see how they respond.

Results show that while the plants do grow, they face stress and grow slower than in normal Earth soil. However, some plants adapt by developing deeper roots or producing more antioxidants. This research is a big step toward growing food on the Moon or Mars in the future.

Future Visions: Space Greenhouses

Looking ahead, engineers and architects are imagining larger greenhouses in orbit or on the surface of the Moon. These space farms may use solar power, advanced robotics, and AI to manage plant growth. They could not only provide food but also help astronauts feel more connected to Earth.

There are even proposals for space gardens with transparent walls, allowing astronauts to enjoy views of Earth while tending to plants. These designs would blend science with art and create a healthier living space.

Benefits Back on Earth

Space farming technologies are already helping agriculture on Earth. LED lighting systems, hydroponic farms, and water recycling methods developed for space are being used in urban farming, desert farming, and vertical gardens. These methods reduce water use, increase yield, and allow food to be grown in places where farming is normally impossible.

The genetic studies of plants in space are also helping scientists develop crop varieties that are more resistant to climate change, pests, and poor soil conditions.

Conclusion

From tiny seeds floating in microgravity to future farms on Mars, space plant research has come a long way. What started as a question—"Can plants grow in space?"—has now become a mission-critical project for the future of space exploration. Plants will not only feed astronauts but also support life-support systems and offer mental comfort far from Earth.

As we move beyond low Earth orbit and dream of settlements on other planets, one thing is clear: wherever humans go, plants must follow. Their roots may grow differently in space, but their role in sustaining human life remains grounded in importance.



Achievements

Cadet Sakshi Rawat of 11 UK(G), D.A.V (P.G.) College Dehradun, represented Uttarakhand at the Para Basic Camp 2023 held at the Air Army borne Training Academy from 1st to 25th September.



D.A.V (P.G.) College students won 1st in cultural dance and 3rd in Nukkad Natak at Doon University's Youth cultural and literary festival.

UO Mayank Kala of D.A.V (P.G.) College, 29 UK BN NCC, successfully summited Mount Thelu (6,002 metres) in the Gangotri range of the Garhwal Himalayas, Uttarakhand, India.



Activities

DONATION DRIVE

ART COMPETITION AND DONATION DRIVE BY THE MANTRANA OUTREACH CLUB, IN COLLABORATION WITH IQAC, D.A.V. (P.G.) COLLEGE

Date:- September 27th, 2023

Community outreach program

Spread smiles, Inspiring change

On 27th September 2023, the Mantrana Outreach Club, in collaboration with IQAC, D.A.V. (P.G.) College, organized an Art Competition and Donation Drive at Rajkiya Prathamik Vidyalaya, Karnpur. The event aimed to engage underprivileged children through creative learning. Notebooks, stationery, and sports equipment were distributed as part of the donation drive. Graced by faculty members including Dr. Onima Sharma and Dr. Jyoti Senger Chauhan, the initiative saw enthusiastic participation from 15 Mantrana students. The event successfully fostered joy and learning while promoting social responsibility.



INDEPENDENCE DAY FLAG HOSTING CEREMONY

NCC CADETS CELEBRATES INDEPENDENCE DAY WITH THEIR ENERGY AND PATRIOTISM

Date:- August 15th, 2023

NCC Cadets Celebrate Independence Day with Patriotism and Purpose

On August 15, 2023, NCC cadets of D.A.V (P.G.) College, Dehradun, marked Independence Day with a spirited flag hoisting ceremony led by

Lt. (Dr.) Archana Pal. The event featured the national anthem and a patriotic performance by Mantrana School students. Embodying the values of service, cadets later visited a hand-weaving community in Tapowan near Nalapani Chowk, donating food and clothing to around 50 individuals. The celebration concluded with refreshments, gratitude for faculty, and inspiring words—reflecting both national pride and social commitment.



Activities

INTERACTIVE SESSION WITH CADET SUMIT CHHETRI

Date - September 29th, 2023.

Interactive Session with Gentleman Cadet Sumit Chhetri. The Mantrana Society of D.A.V. (P.G.) College, Dehradun, organised an insightful interactive session with Gentleman Cadet Sumit Chhetri of Jessami Company, SSC 117 Batch, OTA Chennai.

The session featured an engaging Q&A round focused on careers in the Defence Sector, preparation strategies for the SSB (Services Selection Board), and valuable guidance on the overall approach to defence services.

It proved to be an enriching experience for all attendees. Overall, the session was a great success.



INAGURATION OF VIDHYA REVIEW CENTRE AT D.A.V (P.G) COLLEGE, DEHRADUN

Date-September 12th, 2023

On 12th September 2023, Hon'ble Chief Minister Pushkar Singh Dhami and Education Minister Dhan Singh Rawat inaugurated the Vidya Review Center at D.A.V (P.G.) College. This center will store data of students and teachers from all schools and colleges. Scholarships were distributed under the Chief Minister Higher Scholarship Scheme, and it was announced that students joining Defense will receive Rs. 50,000. Free education will be provided to orphans and poor children till Class 12. The event saw active participation from NSS volunteers and was successfully conducted in the presence of Roshan Jaguri.

12-September-2023
Inauguration of Samiksha Bhawan

Dehradun, Uttarakhand, India
171, Lane-5, Ladpur, Dehradun, Nanur Khara, Uttarakhand 24800
Lat 30.328069°
Long 78.07742°
Plus Code : 8J2W83HG+6X
12/09/23 12:19 PM GMT +05:30

us on :
s_dav

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nssnewsletter.blc

Activities

TREKKING CAMP-II, BAIJNATH NCC GIRLS

Date: 19th – 26th June 2023

Location: Baijnath, Himachal Pradesh

Cadets from D.A.V (P.G.) College participated in Trekking Camp-II, representing the Uttarakhand Directorate. The participating cadets were:

SGT Shubhangi Thapa

CPL Isha Jugran

CDT Pallavi Rawat

CDT Sakshi Kainthura

Apart from trekking, a cultural event was held where Uttarakhand secured 2nd position out of 9 directorates. The camp provided cadets with a platform for adventure, teamwork, and cultural expression.



HARELA PLANTATION DRIVE BY NSS STUDENTS

Date: August 3rd, 2023

On 3rd August 2023, NSS D.A.V. (P.G.) College Dehradun organized a tree plantation drive at Dalanwala Police Station under the Harela Week Program. The event began with a bouquet presented to in-charge Rajesh Shah and constable Pushpa Mangai, followed by planting mango, Ashoka, and flowering plants. Volunteers and police staff together planted various saplings in the premises. The event concluded with a street play on animal cruelty and rights, spreading the message that all living beings humans, animals, and birds deserve equal rights on Earth.



A Glimpse of

Cleanliness Drive in College Campus on Harela



A Glimpse of

Mantrana Outreach Club Cleanliness Drive



Cleanliness Drive by NCC



A Glimpse of

Donation drive
Rajkiya Prathamik Vidhalaya

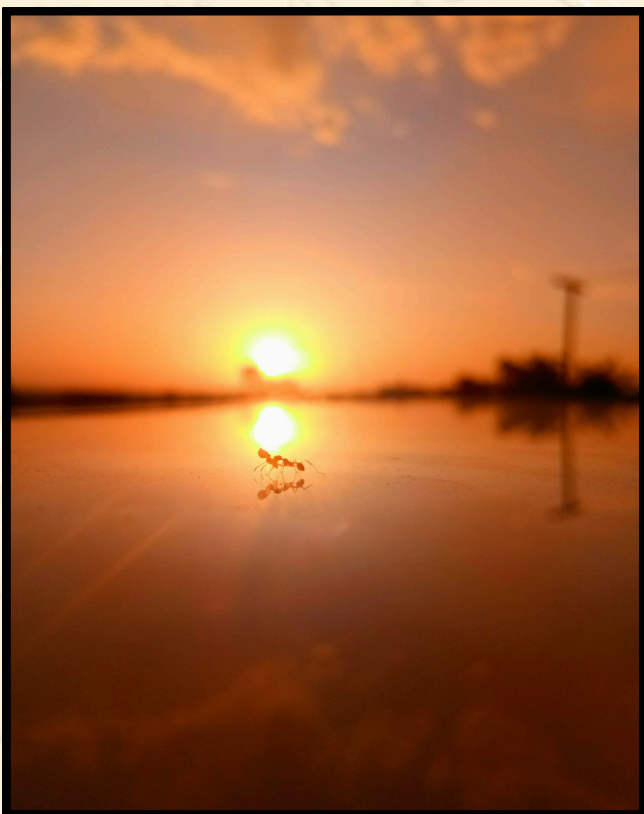
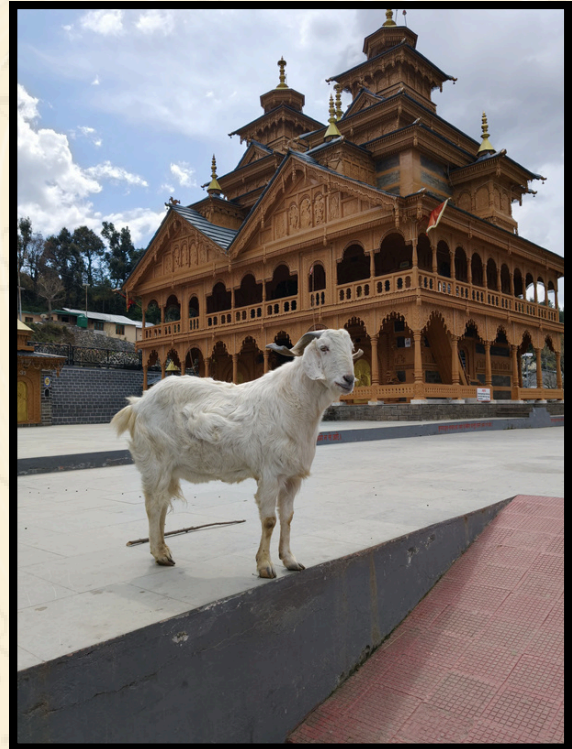


Portraiture

This image shows the beautifully carved Mahasu Devta Temple in Bisoi, Uttarakhand, known for its traditional wooden architecture and religious importance. In front of the temple stands a white goat, adding a touch of rural simplicity to the sacred setting. The photo reflects the peaceful blend of faith, culture, and nature in the Himalayan region.

PHOTOGRAPHER

MEGHA SHARMA, B.COM 2ND YEAR



This image beautifully captures a tiny ant walking across a reflective surface during a golden sunset. The vibrant colors of the sky and the soft reflection create a dreamlike atmosphere, where the small ant appears heroic against the vast horizon. It symbolizes determination, reminding us that even the smallest efforts can shine brightly when set against the light of purpose and persistence. The photo is a perfect blend of nature's grandeur and life's quiet resilience.

PHOTOGRAPHER

DEVANSH SINGH RAWAL, B.SC 2ND YEAR

Portraiture



This image captures the Oriental White-eye (*Zosterops palpebrosus*), a small, vibrant bird known for its yellow throat, olive-green back, and distinct white ring around its eyes. Perched calmly among green leaves, the bird blends beautifully into its surroundings. The photo highlights not just the bird's beauty but also the richness of the natural world.

PHOTOGRAPHER

ANANT THAPA, B.A 2ND YEAR

This image captures a vibrant urban scene at dusk, blending modern life with heritage. The white domed structure on the left stands tall with elegant arches, evoking a sense of historical significance. Nearby, a leafless tree contrasts sharply with the greenery around it, while a bright LED screen and traffic signal reflect the city's bustling modernity. The soft blue sky and scattered clouds add a calm backdrop to the lively intersection, portraying a place where tradition meets the rhythm of daily life.



PHOTOGRAPHER

VAIBHAV TIWARI, B.SC 3RD YEAR

Artistry

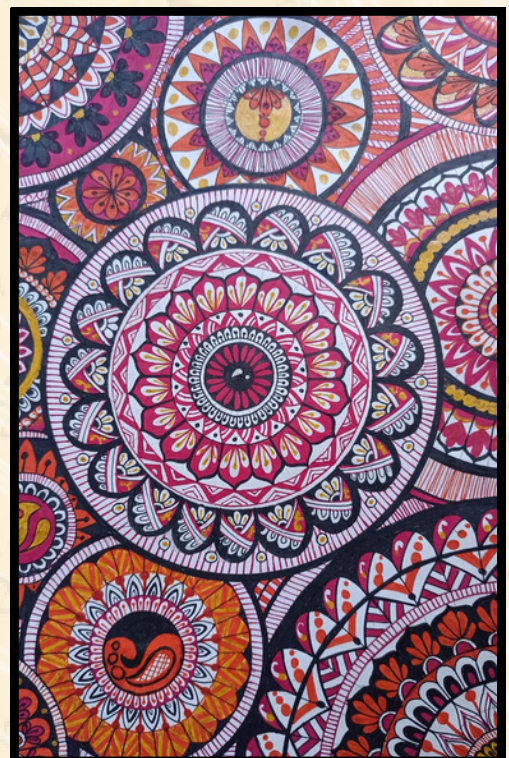


This is a finely detailed monochrome artwork of Lord Krishna, depicted playing the flute with a serene and divine expression. He is adorned with a peacock feather crown, intricate jewelry, and floral decorations. The background features delicate patterns of flowers, leaves, and butterflies, adding to the peaceful and spiritual atmosphere of the piece. The detailed linework reflects traditional Indian art and devotion.

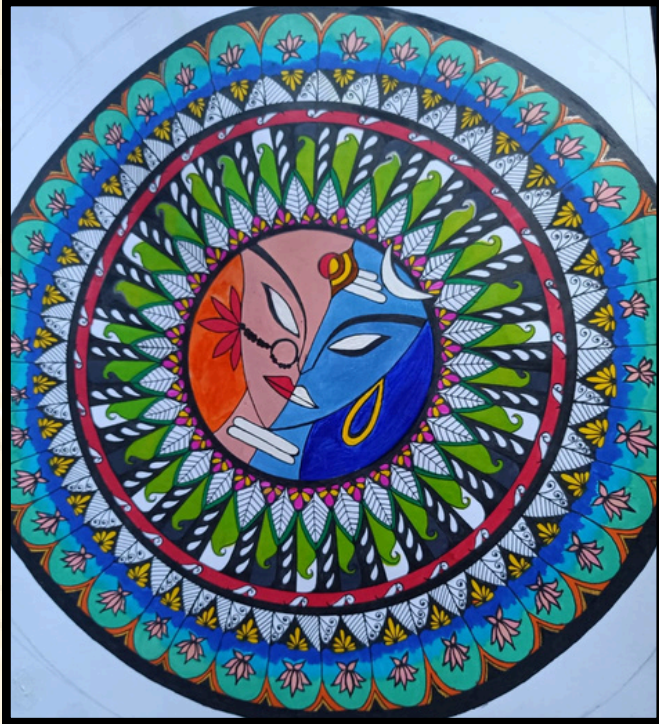
**ARTIST SAZIA,
B.SC 1ST YEAR**

This image showcases a colorful, hand-drawn mandala artwork composed of multiple overlapping circular designs. Each circle contains intricate patterns, including floral, paisley, and geometric elements, drawn with great precision. The dominant colors used are red, orange, pink, black, yellow, and white, creating a vibrant and eye-catching composition. The overall design reflects symmetry, traditional motifs, and artistic detail.

**ARTIST PALAK RANA,
B.A 2ND YEAR**



Artistry



This is a vibrant and detailed Madhubani-style mandala artwork. At its center, it features a stylized depiction of Radha and Krishna, with Krishna in blue playing the flute and Radha in warm tones, symbolizing love and divinity. Surrounding the central figures are multiple concentric layers of intricate patterns, including lotus petals, leaves, and traditional Indian motifs. The artwork is rich in bright colors—blue, green, pink, orange, and black—creating a harmonious and festive visual appeal. The symmetry and detailing reflect the essence of Indian folk art and cultural tradition.

**ARTIST SHREYA GUPTA,
B.A 1ST YEAR**

This watercolor painting beautifully captures a peaceful lakeside sunset. The large orange sun sets behind distant green hills, casting warm hues across the sky and gentle reflections on the water. A lone boat floats calmly in the lake, surrounded by dark silhouettes of trees.

In the foreground, a girl with a ponytail sits quietly on a rocky slope, gazing at the tranquil scene. Colorful flowers bloom below her, adding a vibrant touch to the soft and soothing landscape. The artwork evokes a sense of calm, reflection, and connection with nature.

**ARTIST MUKUL BAHUGUNA,
B.SC 3RD YEAR**



Verse

निर्भया से अंकिता तक

काली अंधेरी रात में, सड़क भी काली थी,
चमकते छल्मों, रूप की रानी, आज बस एक कहानी थी।
एक ने हाथ पकड़ा, दूसरे ने मुँह दबाया
ठंडी थी रात, पर जिसमें आग सी जल रही थी।
उसके कपड़े थे चीथड़े, बेबसी की नीलम रंगी थी।
दिल्ली सोई थी, कानून भी सो रहा था,
और एक मासूम इज़्जत के लिए रो रहा था।
ना चिल्लाई, ना लड़ी, बस आँखों में यही सवाल,
क्या मेरी भी थी कोई गलती? बस मन में था यही मलाल।

जो बनना चाहती थी कुछ, माँ-बाप की डॉक्टर, माँ-बाबा की माँ,
उसी के सपनों की चिता जली — यह कैसा विधि का विधान?
बारह साल बीते, बादल अब भी बरसते हैं,
हर बूंद उस दर्द को दोहराते बरसते हैं।
न्याय के गलियारों में आज भी सन्नाटा है,
निर्भया की आत्मा पूछे — क्यों अब भी न इंसान का नाता है?

और फिर उत्तराखंड की शांत घाटी से उभरे एक और चीख,
अंकिता भंडारी, जो करना चाहती थी अपने सपनों को साकार,
लहरों की गोदी जान पड़ी, जब मिली लाश वो बेबस लाचार —
क्यों उसकी भी कहानी बनी एक खबर पुकार?
में तो उसकी माँ को बस देखूँ — वह वहां सोई निष्प्राण।

जब दर्द दर्द नहीं होता —
हर सांस में दर्द था, पर दुनिया फिर भी शांत थी।
चाहे पांच साल की गुड़िया हो या अंकिता की वेदना,
हर बार चुध रहे सम्मान, हर बार छिनी मान्यता।
हर दिन, हर मोड़ पे — आज भी सुनते हैं सुरों में,
मासूमियत की लाशें गिनते हैं — दिन-रात चिताएं फिरसे उठतीं।



बेटी देती है, ये कह कर झूठी आरती उतारते हैं,
और फिर इस धर्म की आड़ में कहाँ राम ही खुद देते?
वो बोली नहीं, पर उसकी मौन आँखों से प्रश्न,
क्यों निर्भया या अंकिता नहीं,
नारी की पहचान बनी सिर्फ वासना?

और यह पीड़ा केवल अंकिता या निर्भया ही नहीं,
बल्कि हर उस बेटी ने सही है —
जिसने दोस्त, पति, चाचा, पापा, भाई किसी पर
भी हैप्पन को देखा है।
कपड़ों के कारण होता बलात्कार — जो कहूँ,
उन्हें समझाऊँ मैं,
आखिर पांच साल की बच्ची को साड़ी कैसे
पहनाऊँ?

**PALAK RANA,
B.A 2ND YEAR**

Verse

हर घर त्योहार माना रहा है!

हर घर त्योहार मना रहा है ,
कलाइयाँ जगमगा रही है ,
वो नैन सारे दुख भूले नम है
थाली सजी है दुआओं में ,
राखी अनगिनत वादों में
और लड्डू खुशी के स्वादों में !

हर घर त्योहार मना रहा है ,
कोई अपने भाई की खुश आमदीद में
कोई बहन की तारीफ़ में
कोई लड्डू पेड़ों के इंतज़ार में
कोई नौकरी की थकान में
कोई सरहद में बहन के खत के इंतज़ार में
कोई अस्पताल में घर की याद में
कोई शहर की रखवाली करते ,
बस एक पल के इंतज़ार में

कोई ये कविता पढ़ते , बचपन की याद में
मैं ये कविता लिखते , अपने कमरे की चार दीवार में
फिर एक रक्षाबंधन और हज़ार जज़्बात साथ में
और देखो ज़रा
हर घर त्योहार मना रहा है ॥

**MAHAK BHANDARI,
B.A 2ND YEAR**

A Letter to My Younger Self

You won't always feel lost
even though it feels endless now.
One day, the noise in your head
will quiet,
and you'll hear your own voice
again.

You'll learn that not everyone
stays,
but that's okay
you weren't meant to be
understood
by those afraid of depth.

Keep writing,
keep hoping,
keep being soft in a world that
rushes hard things.

Your kindness is not a weakness.
It's your quiet rebellion.

And most of all
you survive.
And then, you bloom.

**PARTH KHOLI,
B.A. 2ND YEAR**

Credits

DR. ONIMA SHARMA

From the Desk of the Coordinator, IQAC

Dear Students and Faculty Members,

It gives me immense pleasure to present the July–September 2023 issue of our college

E-newsletter—an initiative driven entirely by the enthusiasm, creativity, and commitment of our students. Spearheaded under the aegis of the Internal Quality Assurance Cell (IQAC), this platform reflects our collective dedication to fostering a vibrant academic and cultural environment.

In this quarter, our campus has witnessed remarkable achievements—from academic milestones and departmental events to cultural celebrations and outreach activities. This E-newsletter is a humble yet powerful attempt to document and celebrate the diverse pursuits and accomplishments of our college community.

The editorial and tech team, composed of our talented students, has worked with sincerity and diligence to bring this issue to life. Their spirit of teamwork and professionalism is truly commendable. I take this opportunity to express my heartfelt appreciation for their efforts in making the newsletter informative, inclusive, and reflective of the dynamic pulse of our institution.

As we continue this journey of expression and documentation, I warmly invite more students and faculty members to contribute articles, creative pieces, and updates for upcoming editions. Your voices are the essence of this initiative.

Let us continue to communicate, collaborate, and celebrate together.

Warm regards,
Dr. Onima Sharma
Coordinator, IQAC

TANIYA SINGH
B.COM 1ST YEAR
CHIEF EDITOR AND DESIGNER

Creating and refining our newsletter campus spandan has been a long journey, involving countless hours of hard work from many dedicated individuals, and more than a few moments of stress. However, the effort has ultimately been worthwhile. As this edition took shape and evolved, so did our team.

In this issue, we've aimed to evoke a sense of calm through soothing shades of blue, illustrating that amidst the routine and chaos, tranquility and beauty can still be found. We've worked to ensure that every page reflects this balance, showing that even in the midst of challenges, there is always a silver lining to be discovered.

KARAN KUMAR
B.SC 1ST YEAR
CHIEF EDITOR

Being provided the role as content chief editor, I want to sincerely thank you all for the opportunity to let me work on Campus Spandan. It's been a pleasure collaborating on such diverse content, and I've learned a great deal about editing, communication, and teamwork. Your support has meant so much and will definitely help me further in future. Thankyou.

