



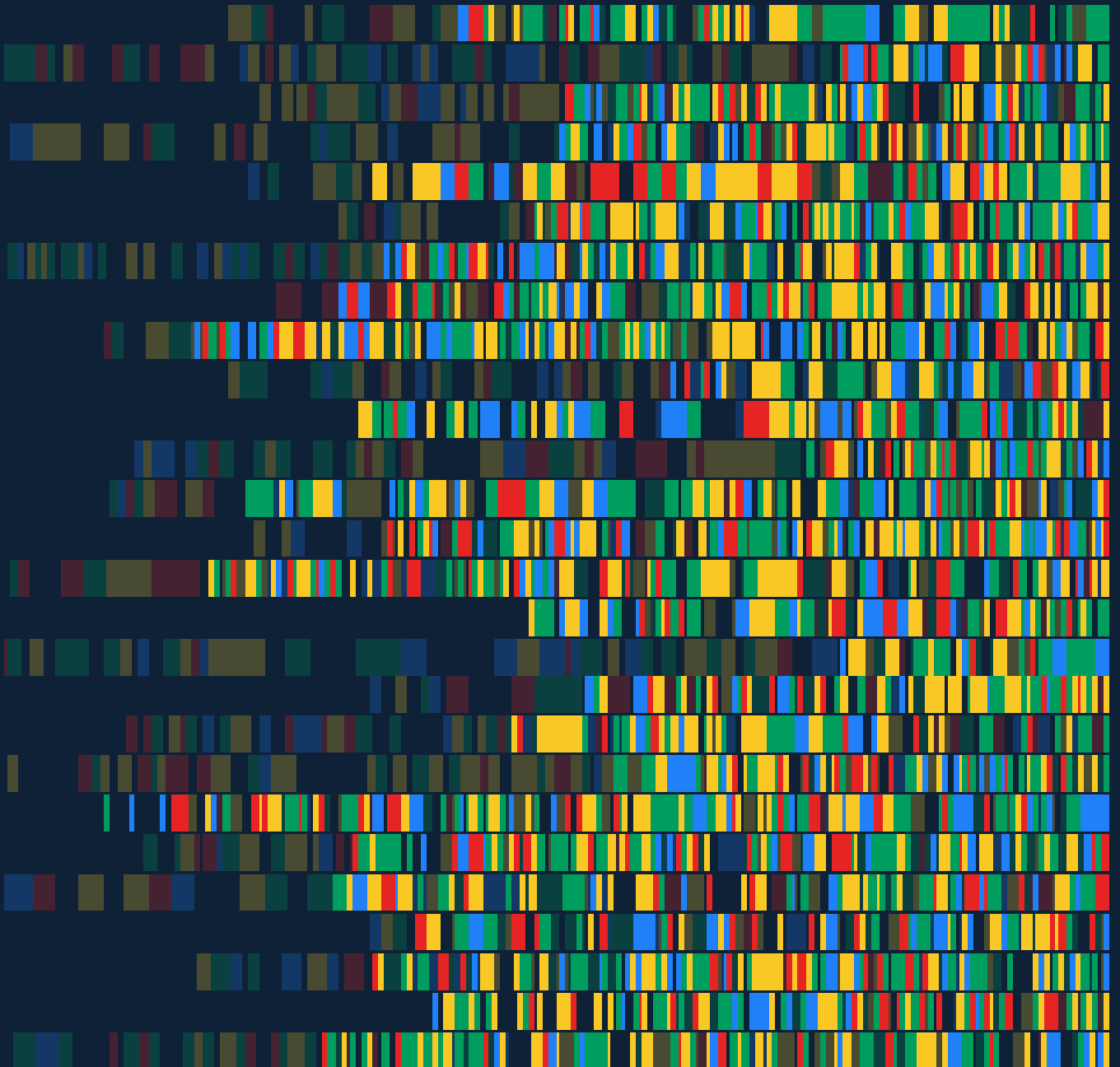
BHASKARACHARYA COLLEGE OF APPLIED SCIENCES
UNIVERSITY OF DELHI



NAAC Accredited 'A++' || Star College Status - DBT || NIRF College 2024 Rank - 27

ANNUAL MAGAZINE OF DEPARTMENT OF BIOMEDICAL SCIENCE

TRANSCRIPT TRANSCRIPT TRANSCRIPT



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ABOUT THE DEPARTMENT



DEPARTMENT OF BIOMEDICAL SCIENCE BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

The Department of Biomedical Science has all the infrastructure and environment to support the multifaceted development of students. The course emphasizes relating knowledge to practical scientific research. Students are encouraged to gather as much laboratory experience as possible, by undertaking summer projects/internships in research laboratories and industries.

The laboratories of the department are well equipped with instruments such as UV-Visible spectrophotometers, thermal cyclers, gel documentation system, biosafety cabinets, refrigerated high speed centrifuges, orbital shaker incubator, microtome, UV transilluminator, microplate ELISA reader, digital colony counter, digital viscometer, melting point apparatus, binocular microscopes with camera and projection system as well as other instruments including electronic balances, autoclave, colorimeters, vertical and horizontal electrophoresis units, electro-blotting system, laminar hood, magnetic stirrers, vortex shakers, ice flaking machine, ovens, etc. In short, the department has all facilities to help students gather practical skills.

Department of Biomedical Science is one of the few departments that have been awarded the Star status by the Department of Biotechnology. This award facilitates the department in conducting new experiments, short research projects/ activities, lecture series and many such activities. Workshops, hands-on-trainings, invited lectures and conferences are a regular feature of every academic year.

FROM THE PRINCIPAL'S DESK



Prof. Avneesh Mittal
Principal, BCAS

It gives me immense pride to address you, the bright minds of the Biomedical Science Department, and to congratulate you on the creation of your very first departmental magazine. At Bhaskaracharya College of Applied Sciences, An "NAAC A++" accredited institution, the Biomedical Science Department shines as a beacon of excellence. This course, offered by only three colleges in University of Delhi, has rightfully earned its place as one of the finest.

Every year, we witness a surge in admissions, with students migrating from other colleges and courses, recognizing the unparalleled learning environment that Biomedical Science at our College offers. Our department has produced students who have not only excelled in their academic journey here but have gone on to secure seats at some of the most prestigious institutions, such as IISc, IISER, IIT, AIIMS and even leading universities abroad, for their higher studies. This remarkable success can be attributed, in no small part, to the incredible faculty of our Biomedical Science Department. Our professors, having completed their education and research at renowned institutions across India and abroad, are now torchbearers for the next generation of scholars. Their mentorship, rigorous academic guidance, and dedication are inspiring not only our undergraduate students but also leading PhD candidates in their advanced research. I have no doubt that it will serve as a platform for showcasing the depth of talent and creativity that our students and faculty possess. I eagerly await to see how it will evolve into a publication that reflects the intelligence and achievements of our department.

I wish to express my heartfelt thanks to the students who took the initiative in bringing this magazine to life and to the guiding teachers who supported and nurtured this project. It is through such endeavors that our academic community grows stronger.

MESSAGE FROM THE TIC



Dr. Shivani G. Varmani
Teacher-in-Charge, Department of Biomedical Science

The Department of Biomedical Sciences is dedicated to providing students with a comprehensive education in both theoretical and practical aspects of this field. Our department strives to nurture curiosity and critical thinking, developing a learning environment.

This magazine is a celebration of our students' remarkable achievements. Our students have shown stamina and a commitment to excellence, whether it be in the laboratory, the classroom, or through community outreach programs. We are very proud of their achievements and are very confident that they will continue to excel in the future.

The release of this magazine has been long awaited, and we are pleased to share it with you. It symbolizes the long journey, that has taken several months of hard work, imagination, and teamwork.

MESSAGE FROM THE EIC



Meenakshi
Editor-in-Chief, DNAmics

It is with great pride and excitement that I present to you the very 1st edition of our department annual magazine, Transcript. This edition is more than just a collection of stories, articles, and creative expressions- it embodies the spirit of learning and achievement.

The journey to bring this magazine to life has been filled with both challenges and triumphs. Starting from scratch,

I am deeply grateful to our officiating Principal, Prof. Avneesh Mittal, for entrusting me with this responsibility. His faith in my abilities has been a driving force throughout this journey. I would also like to express my heartfelt thanks to our Teacher-in-Charge, Dr. Shivani G. Varmani and our faculty, for their continuous guidance and encouragement. Their insights have shaped this magazine in countless ways and it has been an honor to work with such an inspiring group.

I'm elated to work with the wonderful, talented and inspiring people. Their constant encouragement, guidance, and belief in me have been my greatest sources of motivation. Together, we have created something truly special.

As you turn these pages, I hope you feel the passion and hard work that went into every word, every image, and every idea. May this edition very first edition of 'Transcript' inspire and connect with you, just as it has with us.

MEET OUR FACULTY



Prof. Uma Chaudhry
PROFESSOR



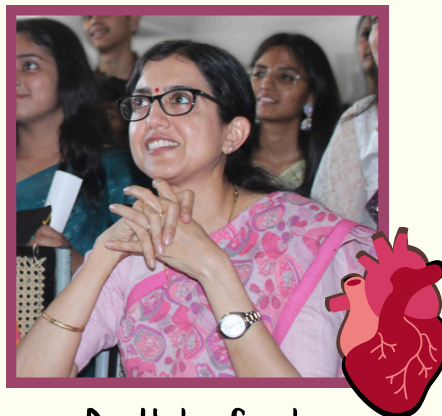
Dr. Shivani G. Varmani
ASSOCIATE PROFESSOR



Dr. Uma Dhawan
ASSOCIATE PROFESSOR



Dr. Kapil Roy
ASSISSTANT PROFESSOR



Dr. Neha Singh
ASSISSTANT PROFESSOR

MEET OUR NON-FACULTY STAFF

The image is a stylized browser window with a green border. At the top, there is a search bar with a magnifying glass icon and navigation arrows. Below the search bar, three staff profiles are displayed vertically. Each profile consists of a photograph, a cartoon illustration of a scientist, and a name label.

- Mr. Ram Kishan:** The top profile features a photograph of a smiling man in a dark sweater over a light shirt. To his left is a cartoon scientist in a white lab coat holding a flask. The name "Mr. Ram Kishan" is written vertically to the right of the photo.
- Mr. Devender Solanki:** The middle profile features a photograph of a man in a white striped shirt. To his right is a cartoon scientist wearing a blue face mask and holding a flask. The name "Mr. Devender Solanki" is written vertically to the left of the photo.
- Mr. Rama Shankar:** The bottom profile features a photograph of a man with a mustache in a dark polo shirt sitting at a desk. To his left is a cartoon scientist in a white lab coat holding a flask. The name "Mr. Rama Shankar" is written vertically to the right of the photo.

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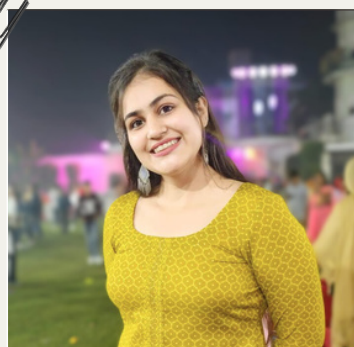
Meenakshi
Editor-in-Chief



Sanskriti Rout
Creative Head



Gunjan
Treasurer



Ishita
Resource Head

ONAMICS

Departmental Society of Biomedical Science



INK & IMAGINATION

I hear the wind's whisper...

I hear the wind's whisper,
screaming in silence,
luring me into the woods...
in a mysterious ambience...

I hear the wind's whisper,
feel a cold wave
run down my spine...

As I realise,
there's no heart that's beating,
other than mine...

Some steps ahead,
there comes a hut...

I entered within,
and the door shut...

Soon...

I hear the whisper again,
murmuring spells,
coming from a little girl,
who in their dwells...

My eyes opened wide,
as I see her eyes...
as dark as a black hole,

were about to
swallow me thrice...

She stood still with a knife,
That's sharp...

I see a book aside,
and a ringing harp...

The opened book,
had two eyes,
beautiful yet scary...

staring straight
into my soul...
blinking slowly,

as if calling a ghoul...

My foot struck
something that's curled...
and I heard it whisper again,
"Welcome to my world..."

Soon,

I hear myself scream...

I woke up and... "Sigh!!"
it was all a dream...

Oh,

I better go, get some water,
as my mind got whirled!

But, wait...

How has my kitchen knife,
gotten curled...???!!

~ **Pragya Bhattacharjee**
1st Year

Ruler of The Highest Summit

What if, the world is an imaginary
desire,
a mere imagination of someone
unknown?

What if, the people we know and the
people we
are... don't exist, but only remain in the
mind of
the unknown?

What if, every existing moment
is nothing but an incomplete fantasy?
And....

What if, that unknown entity is none
but you,

Who's come into existence somehow?

What if, you've got the power
to change the fantasy into reality?

What if, you're the one behind
all those transformations?

What if, because of you...
yes! "YOU", the world exists indeed,
and, this "truly real" world,
is the fruit of your diligent efforts?

So dear,

Why do you lose faith now?

Why don't you bunch up
all your beliefs and proceed,
just climb higher and conquer the peak?

Whisper to your soul...

"YES! I CAN"

and, you'll be the triumphant,

"THE RULER OF THE HIGHEST
SUMMIT"

~ **Pragya Bhattacharjee**
1st Year

Axon flight

Axons, axons, long and lean,
Cellular cables, a vibrant scene.
They zip and zap, with messages bright,
Carrying signals, a speedy flight.

From brain to toe, they stretch and
bend,
Connecting neurons, world without
end.

Like tiny wires, they hum and glow,
Sending thoughts and feelings, you
know.

So next time you think, laugh or sneeze,
Thank your axons, if you please!
These neural highways, they're quite a
feat,
Keeping our bodies moving and sweet!

~ **Biplab Boro**
1st Year

13th Star

The 13th star that was not destined to be born
Rose to the peak, altering the thread of destiny
woven a new path once laid, shaping his own
destiny's braid
Hapless whom everyone abhorred, has
cultivated plenty of luck
The footsteps that were once believed to be
cursed, have healed those who have come
across with it
The voice once deemed diabolical has now
unveiled the world's truths.
The eyes that have witnessed everything, have
a slight glimmer of hope in it
The hands that have suffered a lot, do not wish
for misfortunes for one to endure it
Reminisce when twelve stars were
distinguished
Struggling to survive every day, the thirteen
star was in clandestine
In the darkest of the realm 13th star emerges,
with every bit of luminescence
Forging himself with brilliance one can't
reckon
Pioneered himself as an omnipotent
Blessed with cursed, tended the wounds
Owing his life to others, a kindred spirit
One untouched by fate has carved its path
Eyes that once lost its life, foreseen every core
In a realm overshadowed by malevolence, the
thirteenth star shines in solitude.
Etching his existence on the fabric of fate
Sewing a garb that only existed for himself
Letting only the 13th one bore it with the same
prowess as himself
The thirteenth star leaves its trace upon the
celestial canvas.

Origin

Having no origin
The death that passes by
The life that flashes before, it touches its
miasma
Always wandering around
Getting to know the origin of other
Finding the meaning of its origin
Oh, alas I should give up
To whom should I live on
To whom should I have passed on the story
of glory and defeat
There's nothing I can do
Always have these thoughts
Carrying every emotion
How can I be the only one
Or is it that I chose to be the one
Constellation starts to change
Having the reminder to origin It's time to
hibernate
Origin doesn't die Sleeping in eternal slumber
Under the cold shade of the essence of life
Burying deep inside the roots
Spiritually reuniting with its other parts
Gaining the knowledge of world
At last, the remaining pieces shattered
Again, the beginning of the new world

~ Dhruv Dheer Singh
3rd Year

Women in Biological Sciences

Science is the study of everything—living and non-living, our existence and beyond, and even the concept of infinity. The word "science" comes from the Latin word *Scientia*, meaning knowledge. However, sexism has been a persistent issue in science, just as in many other fields. It seems that knowledge has not always been for everyone—or at least that's what Esther Lederberg's husband might have said while he had been leaving to accept the 1958 Nobel Prize in Physiology or Medicine without acknowledging her crucial discovery of the lambda phage, a virus that infects *E. coli* bacteria. This incident, among others, highlights how knowledge has not always been inclusive, as evidenced by the male bias in clinical trials that have led to medical treatments being more centered on male physiology.

Ironically, although biology is considered a women-dominated field within science, women often do not receive due credit for their work. Over the years, female scientists have faced numerous challenges, including hostile colleagues, limited opportunities, and having their research stolen or credited to male colleagues. Goulden, Mason, and Frasch (2011), in their article "Keeping Women in the Science Pipeline," discuss the "leaky pipeline" phenomenon, where a higher percentage of women leave the biological sciences compared to men. This is due to factors such as work-life balance issues, a lack of supportive policies, and societal expectations that place family responsibilities primarily on women. Consequently, women are less likely to hold senior positions in the field. These are also the same reasons that make it difficult for them to get a job in the field.

Witteman, Hendricks, Straus, and Tannenbaum (2019), in their study "Are Gender Gaps Due to Evaluations of the Applicant or the Science? A Natural Experiment at a National Funding Agency," investigate gender bias in research funding and publication. A prominent example is Lynn Margulis, whose theory of endosymbiosis was rejected multiple times before being published.

Perhaps, the most significant challenge for women in biological sciences is the lack of recognition and ongoing discrimination. The "Matilda Effect," as reported by Rossiter (1993), describes how women have historically been excluded from scientific institutions and studies, with their work either overlooked or credited to male colleagues.

Women in Biological Sciences (contd.)

A well-known case is that of Rosalind Franklin, whose work on determining the molecular structure of DNA was overshadowed by Watson and Crick. To this day, Franklin's contributions are underrepresented in many science textbooks. Nettie Stevens faced a similar fate with her discovery of the Y chromosome being overshadowed by the work of her male colleague, Thomas Morgan.

Clancy, Nelson, Rutherford, and Hinde (2014), in their "Survey of Academic Field Experiences (SAFE): Trainees Report Harassment and Assault," reported on the prevalence of sexual harassment, discrimination, and assault in academic fieldwork—issues that are notably significant in the biological sciences. What better example will there be than the first woman who won the Nobel Prize in Physiology or Medicine, Gerty Cori. Despite her significant contributions, she faced discrimination throughout her career, receiving lower pay and less prestigious positions compared to her male counterparts.

Efforts have been made over the years to tackle the problem of gender bias in the biological sciences, through raising awareness and implementing government policies aimed at improving work-life balance for women. In the last decade, there has been an emergence of many prominent female scientists such as Jane Goodall, Jennifer A. Doudna, Elizabeth Blackburn, Mary-Claire King, and Emmanuelle Charpentier which shows progression in the long-term fight. However, the issue persists, and the need for change remains urgent. Women must feel safe, seen, and respected in all aspects of science.

There is a need for women in all aspects of science from clinical trials to positions of directing the same trials. After all, knowledge is meant to be shared and expanded, and science is meant to be about everything and everyone

~ Kiyara Vinod
Ist Year

Memento Mori- The Final Snapshot

Dr. Kavya Patel, a brilliant geneticist had dedicated her life and career to unlock the secrets hidden within DNA. Her latest breakthrough was nothing short of revolutionary. A method to extract vivid images from the DNA of a deceased individual, capturing their final moments. She called it "The Memento Mori" Which had the potential to revolutionise forensics and became an invaluable tool for solving unsolved crimes.

Kavya's work caught the attention of Detective Alex Petrov, a seasoned investigator haunted by a cold case. A young woman had been brutally murdered, and the perpetrator had never been found. So, Petrov turned to Kavya for help.

Kavya agreed to analyse the woman's DNA using Memento Mori. Days turned into weeks as she worked tirelessly, poring over the complex data. Finally, The DNA revealed a haunting image: a dimly lit room, a struggle, and a face. It was the face of the killer.

Armed with this new evidence, Petrov and his team began their investigation. The image led them to a suspect, a man who had been previously linked to the case but lacked concrete evidence. With the Memento Mori image as their key piece, they were able to build a compelling case against him.

The trial was a media sensation. The image sent shockwaves throughout the courtroom. The killer was hanged to his death. Dr. Kavya got immense recognition and was poured with awards and praises.

Although the story was fictitious, the underlying message remains the same i.e. the struggle and sacrifice of a scientist remains unbeatable. They are like the magicians who make this world a better place to live in.

~ **Shruti S. Mohanty**
Ist Year

The Black Roses

"What a long tiring day!" Jia sighed, as now she was able to leave for home.

It was the last day of her lengthy university exams...the semester came to an end...such a relief...isn't it?

Wait...Who's this Jia? Let me introduce her!

Jia, a paranoid and introverted girl who belongs to a small city, despite her pages being filled with tons of untold stories, dared to travel through thousands of kilometres to an unknown, huge city just to be a step nearer to her dreams.

The room she lives in is huge but soon, this other girl Liza returns from a long vacation...she's been living there for 2 years even before Jia came. At least Jia was now happy that she wouldn't have to live in a room all alone...and she could watch horror movies without any fear.

Being an overly pampered only child of her family she was initially a bit uncomfortable with the kinda rude behaviour of her roommate but soon they became good friends! But her roommate barely went out and was more of an introverted girl...even more than Jia. Thankfully, this nature of hers made it easier for Jia to be there....to be there in her way!

Jia went to college every day, had a few friends as well, had a good time with them and soon she would be back to her room and indulge in her studies and stuff she liked! One such evening, there was a vigorous dust storm and Jia was on her way back to her dorm when she noticed something, something weird...!!! There was a shrub of black roses churning along the dusty tornado! She was fascinated by this weird sight, "Damn!! A whole bush of roses?? that too black roses!!! Am I dreaming!" Jia exclaimed.

You might be thinking, what's weird in a bush of roses? But the area she lived in didn't even have red roses from where the hell did those black roses appear? Wait! "Where the hell did the roses come from?!" Yeah...perhaps...from hell...we never know! Hehehe.

Whatever! Jia soon reaches her room and finds out there was a power cut...she was so tired and now in this burning heat (yes, despite the dust storm) she couldn't even have a damn fan twirling over her head...Disgusting!!

Well, she freshens herself up and goes to her room to just fall into a long deep sleep, until she finds her roommate, burning some pieces of paper in the corner of the room. When she asks her why she is doing it, she said..." to shoo away the mosquitoes!" Jia ignored and had the dinner she brought, left some food for her roommate and went to sleep.

Hours passed by and the power cut persisted... Jia was trying hard but couldn't fall asleep while her roommate was snoring all along by her side.

'Huh...So annoying!'

But soon Jia dozes off.

The Black Roses (contd.)

It was around 2:40 at night, Jia heard someone murmuring in a feeble voice. She opened her eyes, looked around and found her roommate waving her hands in the air and whispering something, staring straight at the corner of the room's ceiling. She wasn't blinking,

Jia felt a spine-chilling cold wave run down her spine...she froze...She wanted to scream but couldn't...soon she saw some screaming distorted faces appearing throughout the wall and the ceiling...she couldn't move because of fear and thought she might be lucid dreaming, she wanted to wake herself up but couldn't despite struggling hard... (might be experiencing sleep paralysis!) She tried hard and finally after battling for 15 minutes...Jia woke up! She heaved a sigh of relief as it was just a dream...But when she looked aside, her roommate wasn't there...she called her name, there wasn't any response,

she called her louder but still no response

Now she genuinely wanted to look over the matter, she went off the bed and began searching for her roommate (Liza)

"Liza...Liza...where are you?"

Liza...now don't scare me...Liza...for God's sake... please respond...Lizaaa..."

Jia kept on shouting...soon she reached the door near the balcony (at the corner of their room) and something sharp but small pierced her feet, it was very sharp and stinging.

what an excruciating pain! Tears knew no bars, broke out of Jia's eyes...it was when she made her flashlight fall on the floor and she saw the ashes of the pieces of paper her roommate had burnt to shoo away the mosquitoes, but...wait...what was that, she step on that made her feet bleed? She found some very small sharp thorns-like things scattered on the floor surrounding the ashes! She was trying to figure it out until she heard someone giggling from the balcony...of course, it did scare her but still she managed to get some courage to find the person behind the giggles, hoping for it was Liza. Jia proceeded towards the balcony door, opened it wide and thankfully it was Liza giggling out there.

But why would she giggle this late at night, that too on the balcony? Jia called her softly,

"Liza, are you okay? What are you doing here?"

COMPLETE SILENCE!

"Finally, it's the end of the battle!!" Liza broke the ice!! The balcony door closed by itself, locking Jia out of the room...She was a little scared and before she could utter a

The Black Roses (contd.)

word, Liza jumped!

Yeah...Liza jumped off the balcony...Liza jumped off a height of around 105 feet.

Jia stood there, shocked, what did she just witness? She couldn't believe her eyes...she was frozen...she moved a step forward and saw Liza lying on the road drenched in blood, lifeless!!

Jia lost her consciousness...she passed out!! Some hours passed by, Jia slowly opened her eyes...she was conscious now, but couldn't recall exactly what happened before she passed out.

She got into the room, closed the balcony door and found a bunch of dried black roses lying on the same place as the ashes, with a note that said "You're next."

Jia screamed out of fear, at that hour of night itself, she called the landlord, terrified! to let him know about Liza's death and these paranormal experiences. Several tries later, he picked up the call, "Who's this? Why are you calling me this late?" The landlord said, annoyed.

"Sir, I'm Jia...The new student...your tenant...Sir...my roommate...Li... Li..Liza.... jumped o..ff..off the b..b..balcony...!!!! Sir...her body is lying there on the...on...the...road.... Sir...please help...help...me Sir...there's blood all over...Sir...please help..." Jia cried!

Landlord replied, "Liza? Your roommate? Miss. Jia, have you gone crazy? You never had a roommate. You were assigned a single room; what nonsense are you spitting at this hour??

Get lost...right now!!!

And how do you know Liza??? She left this flat 2 years ago!!! Now stop this nonsense and get lost, Hang up the phone."

Jia pleaded a lot but couldn't convince him.; She gathered some courage and went to the balcony, and when she looked down...she was dumbstruck! There was no dead body lying on the road...there were no blood stains either...she turned around with that spine-chilling cold breeze passing behind her neck and saw Liza right behind her, floating in the air...Jia screamed her lungs out, until Liza came closer and pushed her off the 10th-floor balcony!

Liza disappeared into thin air. Jia's body lies on the road, lifeless, drenched in blood!

The clock hits a sharp **"2:40 AM"**.

THE END!

~ Pragma Bhattacharjee
Ist Year

“The Dual Faces of Modern Healthcare: Commitment and Commercialism”

Everybody has come across the saying, “Doctors are God’s messengers on earth”. We call them ‘Angels’ who save our lives as well as millions of million people every single day. Doctors are a ray of hope in case of unfavourable emergencies.

But, nowadays, there is a dearth of commitment and perseverance in the doctors, the pillars of our healthcare sector. Money, fame and pre-planned schedules hold much greater importance for the doctors these days, rather than providing the best possible treatment to their patients.

I think I am not completely wrong when I say that doctors in hospitals only give immediate first-aid treatment to the patient in an emergency and then the patient’s family is asked to pay the bills first for the treatment to proceed if it is an operation case. Do the hospitals not have the required equipment and medicines to treat the patients before the payment of cost of operation? I think the above statement is not true, and they can continue with the operation, but unfortunately, the private hospitals are very desperate for their profits.

Money is going to come their way in any case, because people who bring their family members to private as well as government hospitals are aware of the fact that they have to pay the bills and they come only for immediate consideration and the best treatment facilities. Unfortunately, these beliefs are not true most of the time.

Moreover, if the doctors have a working schedule of 7-8 hours, they are not going to compromise a single minute and will not take second to deny treatment for a patient whose family arrives after the end of their working hours and will delay the treatment.

Nevertheless, keeping aside the darker side, if we look upon, we still have doctors who compromise their personal life and time and act really as saviours for the sake of their patients. Doctors working in the COVID period when everyone was in their homes to survive through the pandemic, deserve a special mention here, as they didn’t fear risking their lives and gave their best to save a thousand of lives. We should appreciate the willpower of those brave and strong hearts. We need more such doctors with an immense inclination towards national service and their duties for a brighter future healthcare sector.

~ **Hanshika**
Ist Year

HOW TO READ A RESEARCH ARTICLE?

Reading a scientific article for the first time can be daunting, to say the least. The long run-on sentences, scientific jargon, references, footnotes... it's a headache to even look at. How are we supposed to do this for the rest of our lives, again?

Having a little roadmap of how to do so would certainly make it less scary. There are, of course, many ways to read a scientific article, and no one way will work for every person. With enough reading, everyone develops their own style. In this write-up, I've written the process I follow while trying to read a research article. Perhaps it might give you a place to start!

1. **Read the title and abstract.** This gives you an idea whether the subject matter of the article is of interest to you or not. You may encounter many unfamiliar terms or concepts. Clarify them simultaneously. You can also make a glossary of these terms to look up later.
2. **Skip to materials and methods.** This is to help you get acquainted with the overall process that was followed. Don't get intimidated by the details. You can ignore some of it! The idea is to get an overview of the procedure.
3. Next, **look at the figures and their captions.** Are there graphs, pie charts, comparisons? Before and after pictures for a procedure? Studying these images and their captions gives you an idea about the research's results and conclusions.
4. Once you're acquainted with the basics of what the paper is about, you can start reading in detail!

Some Tips

- Read a paper for the first time as a group. Discussing the new ideas with a peer can help you understand them better.
- If possible, look up an annotated paper for your first time reading. These papers may be available for free on online websites like bioRxiv or Plos One.

~ Nandini Prasad
1st Year

MENSTRUAL BLOOD AS DIAGNOSTIC TOOL

Studies conducted recently show the utility of menstrual blood for the diagnosis of multiple disorders, specifically genital tract infections (GTIs) and human papillomavirus (HPV). An innovative new way of looking at it is to capitalize on the non-invasive and easily obtainable menstrual blood, that would make for a comfortable non-scarring alternative over invasive diagnostic measures like Pap smears. Major research published in the journal *Diagnostics* conducted by researchers in Hong Kong proved that menstrual blood could very well be used for molecular investigation utilizing techniques like next-generation sequencing (NGS) and PCR to identify high-risk oncogenic HPV strains, together with studies documenting genes related to the shift in vaginal microbiota. The sensitivity of detecting high-risk HPV using menstrual blood was found to be comparable to traditional methods, making it a promising option for broader use, especially in settings where access to healthcare is limited.

Moreover, the Q-Pad, a novel diagnostic menstrual pad developed by the company Qvin, has been FDA-cleared in the U.S. and Thailand. This pad collects menstrual blood, allowing women to self-monitor for various health conditions such as thyroid health, diabetes, and even fertility-related hormones. This technology could revolutionize women's health diagnostics by providing a non-invasive, cost-effective, and accessible method for regular health monitoring. Menstrual blood testing can be done privately and conveniently at home, making it easier for women who might avoid traditional tests due to discomfort, time constraints, or lack of access to healthcare facilities. This technology could be particularly transformative in low-resource settings where healthcare access is limited. It opens up the possibility for broader and more inclusive screening programs, potentially reducing the global incidence of cervical cancer and other health issues related to genital infections.

While the research is still in its early stages, with some limitations like small sample sizes, the potential implications for improving women's health diagnostics are vast. Future studies are expected to expand on these findings and explore the use of menstrual blood in even broader diagnostic applications.

References for the above text: -

<https://mylola.com/blogs/period-101/menstrual-blood-diagnostic-testing-q-a-with-dr-sara-naseri>

<https://www.mdpi.com/2075-4418/14/7/686>

<https://evrimagaci.org/menstrual-blood-revolutionize-womens-health-diagnostics-12345>

~ **Hanshika**
Ist Year

Futuristic and Minimalistic: The Intersection of Design and Innovation

In recent years, the convergence of futuristic and minimalistic design has emerged as a dominant trend across various fields, from architecture and interior design to technology and fashion. This style marries the sleek, clean lines of minimalism with the forward-thinking elements of futuristic aesthetics, creating environments and products that are both functional and visually striking.

The Essence of Minimalism

Minimalism is characterized by its emphasis on simplicity, clean lines, and a monochromatic palette. It prioritizes function over form, eliminating unnecessary elements to focus on the essentials. Originating in the 1960s as a reaction against the excesses of previous decades, minimalism has since evolved to signify elegance, efficiency, and clarity. In design, this often translates to open spaces, neutral colours, and a sense of order.

The Allure of Futurism

Futuristic design, on the other hand, is inspired by the possibilities of tomorrow. It often incorporates advanced technology, innovative materials, and unconventional forms. This style seeks to break free from traditional constraints, embracing a vision of the future that is bold, imaginative, and often unconventional. In architecture, this might mean buildings with flowing, organic shapes or the use of cutting-edge materials like carbon fibre and smart glass. In technology, it manifests as sleek, high-tech gadgets with intuitive interfaces.

Merging the Two

When minimalism meets futurism, the result is a harmonious blend of simplicity and innovation. This hybrid style is evident in several key areas:

Architecture and Interior Design: Modern buildings and interiors often feature minimalist designs with futuristic elements. Think of open spaces with smart home technology seamlessly integrated, or furniture with clean lines made from innovative materials. The use of neutral colours is complemented by bold, statement pieces that add a touch of futurism without overwhelming the space.

Technology: Futuristic minimalism in technology is epitomized by devices like smartphones and wearables, which combine sleek, simple designs with advanced functionalities.

Futuristic and Minimalistic: The Intersection of Design and Innovation (contd.)

Companies like Apple have mastered this aesthetic, creating products that are not only cutting-edge in performance but also in design.

Fashion: In fashion, this trend is seen in clothing and accessories that use minimalist forms but incorporate futuristic materials or concepts. Designers are experimenting with smart fabrics, 3D printing, and sustainable materials to create garments that are both stylish and forward-thinking.

Automotive Design: The automotive industry is also embracing this trend, with electric vehicles (EVs) and autonomous cars often showcasing minimalist interiors paired with futuristic technology. The use of large touchscreens, streamlined dashboards, and advanced driver-assistance systems highlights this synergy.

The Benefits

The fusion of futuristic and minimalistic design offers several benefits. It creates environments and products that are not only aesthetically pleasing but also highly functional. The simplicity of minimalism ensures that designs are practical and easy to use, while the innovative aspects of futurism push the boundaries of what is possible. This combination also often leads to more sustainable designs, as the emphasis on simplicity can reduce waste and resource consumption.

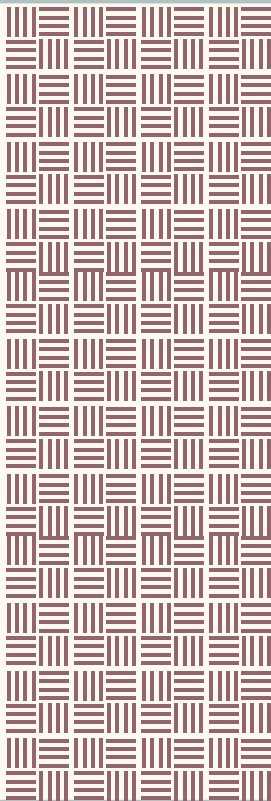
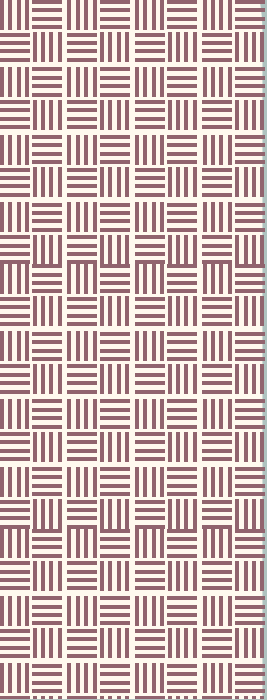
Challenges and Considerations

Despite its appeal, this design approach is not without challenges. Achieving the right balance between minimalism and futurism requires careful consideration and creativity. Designers must ensure that the innovative elements do not overshadow the simplicity that defines minimalism. Additionally, while futuristic designs can be exciting, they must also be practical and accessible to users.

Conclusion

The intersection of futuristic and minimalistic design represents a dynamic and evolving trend that holds great promise for the future. By combining the best of both worlds, designers can create spaces and products that are not only visually stunning but also highly functional and sustainable. As technology continues to advance and our aesthetic preferences evolve, this hybrid style is likely to become even more prominent, shaping the way we live, work, and interact with the world around us.

~ Tuba Khatoon
Ist Year



THROUGH THE BRUSH & LENS



THE ART

Bismah Kaur, 1 year



Tyranvi Gyll, 2 year



Kanak Gupta, 2 Year



Dhruv Dheer Singh, 2 Year



Sandhya Arora, 3 year

GALLERY



Vaishnavi Jha , 2 Year



Sonakshi Srivastava , 1 year

Tejasvi Gell 7 Year



Urvashi Khan , 2 Year

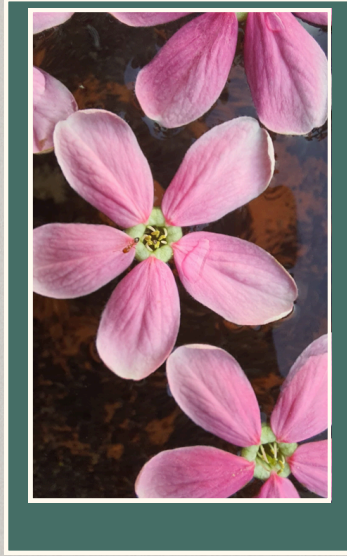


Sonakshi Srivastava , 1 year

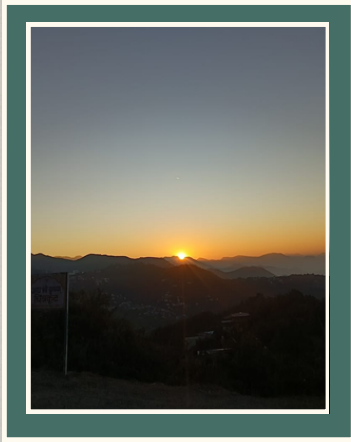
THE PHOTO



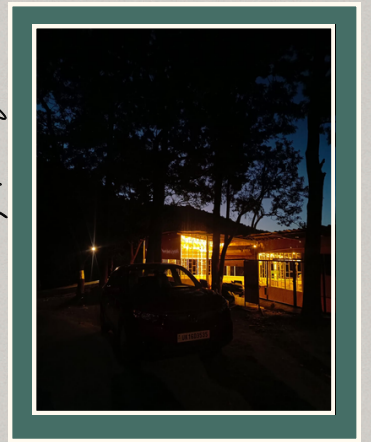
Sakshi Rani , 2 Year



Nandini Prasad , 1 Year



Meenakshi , 2 Year



Meenakshi , 2 Year



Meenakshi , 2 Year



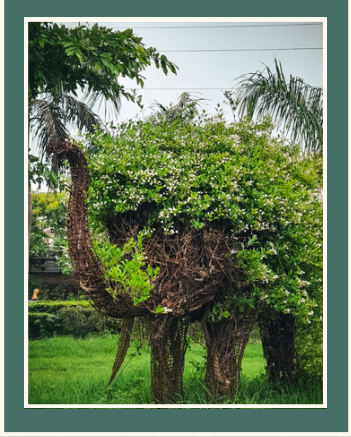
Sakshi Rani , 3 Year



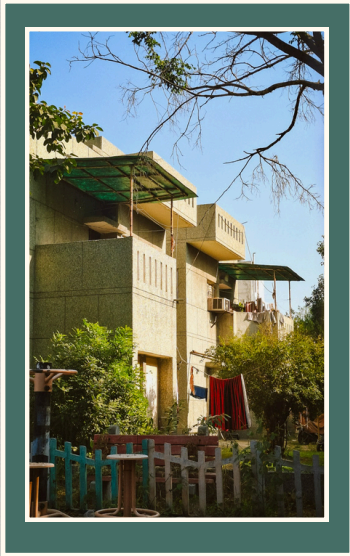
Nandini Prasad , 1 Year



WALL



Abhishek Sinha, 7 Year



Abhishek Sinha, 7 Year



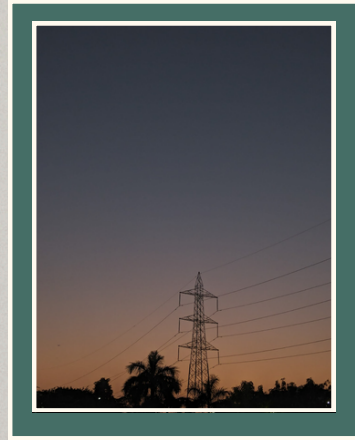
Naisha Raina, 7 Year



Angilina, 7 Year



Angilina, 7 Year



Ahsaf Ahmed, 7 Year



Ahsaf Ahmed, 7 Year

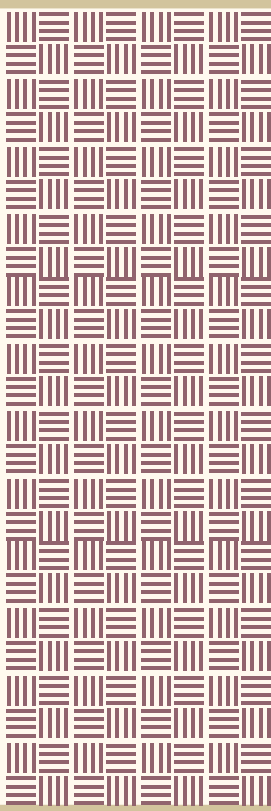

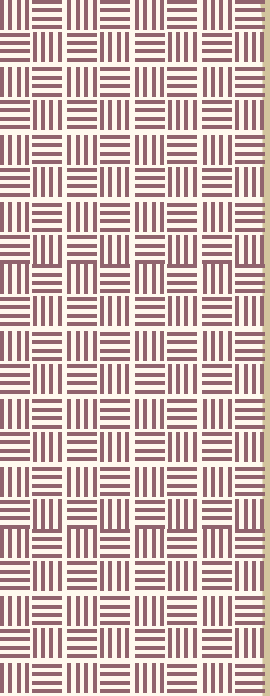


Biplab Boro, 7 Year




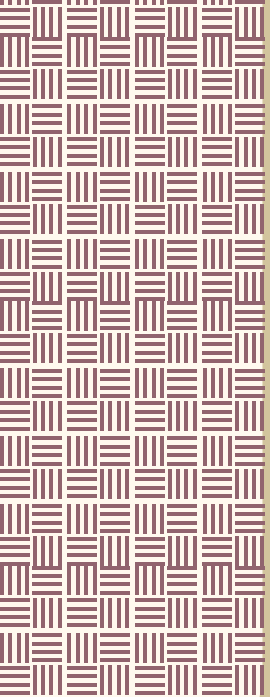
Abhishek Sinha, 7 Year





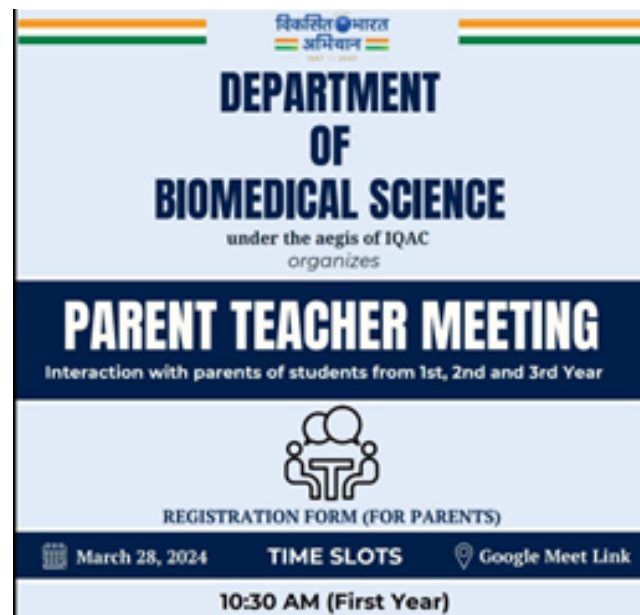
DNAmics

CHRONICLES



PTM Meeting

The department of Biomedical Sciences, under the aegis of IQAC, organised a parent-teacher meeting on March 28, 2024. Convened by Dr. Shivani G Varmani and organised by our capable teaching staff, this meeting saw enthusiastic participation by parents of students from all three years. Discussions relating to academics and co-curriculars took place, and concerns regarding future prospects and career trajectories were resolved. All in all it was a successful event.



COLLAGE Making Competition

DNAmics, under the guidance of Dr. Shvetambri hosted an exhilarating event on May 22, 2024, that blended scientific knowledge with artistic flair- The Collage Making Competition: Chronicles of Genetics. The competition invited students to explore the fascinating journey of genetics through the years, using collage as their canvas.

Dr. Ratyakshi adjudicated the competition and also provided a guiding vision to the participants- encouraging them to explore beyond the obvious and delve into the nuances of molecular biology. Although every student meticulously researched genetic milestones, ensuring scientific accuracy in their visual narratives, few stood out with their creativity and presentation.

Lavisha, from B.Sc (H) Biomedical Science got first position in the competition followed by the eloquent presentations from Apoorva (II position) and Priyank and Meenakshi (III position).



FAREWELL

Batch of 2024

On April 25, 2024, the Department of Biomedical Science organized a heartfelt farewell to our cherished graduating Batch of 2024 to celebrate the mark of both an ending and a beginning. The teachers provided words of encouragement, insight and appreciation, sowing seeds of inspiration for the graduating class to become the torchbearers of change. The chapter ended with words of gratitude. The event also involved taking a glimpse into the profound impact of their collective journey, bonds forged in learning- turning classmates into family.



From the students to the teachers, who have been mentors, guiding them towards growth and understanding. From seniors to their juniors, who orchestrated the farewell with care and creativity, providing an honor to their legacy with heartfelt speeches and personalized mementos.



MUSHROOM

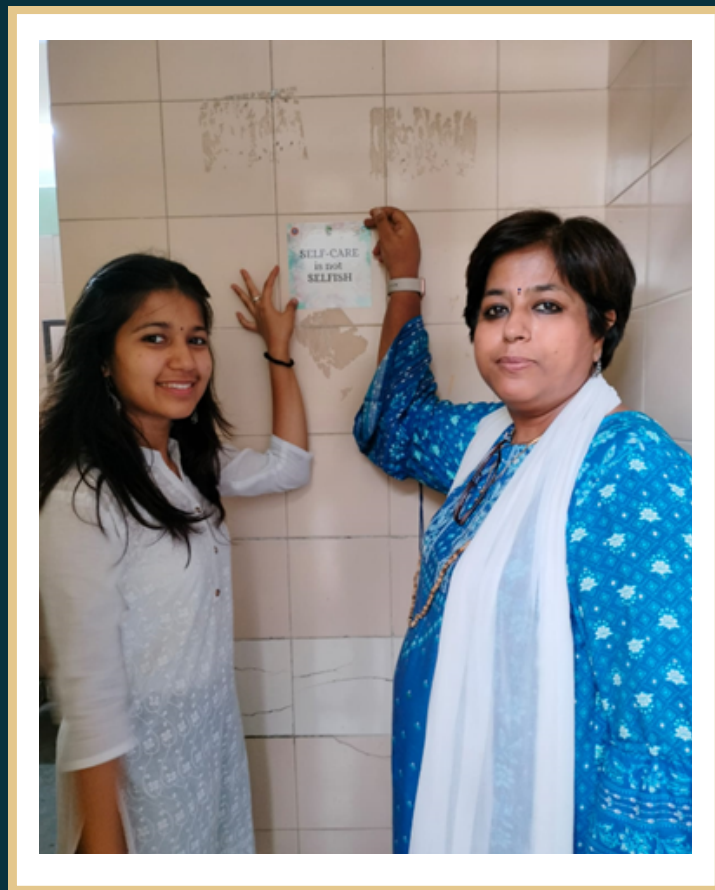
farming Workshop

On May 18, 2023, under the guidance of Dr. Shubhra Barwa, DNAmics organized a skill enhancement workshop on Mushroom Farming: a promising route to empowerment to disseminate knowledge and appropriate skill practice and training regarding mushroom farming for future empowerment- a celebration of science, sustainability and culinary delight. The event was led by Prof. Ragini Jindal from Department of Botany, Kirori Mal College, University of Delhi who cultivated curiosity and distributed sporeprints to the participants- tiny, invisible seeds of wonder.

G20 Sticker Designing

The G20 Sticker Designing for Awareness event, organised by DNAmics and the Department of Biomedical Science in association with the G20 Presidency Committee, took place from June 10-20, 2023 and led by Dr. Shivani G. Varmani.

This event, called the "We Care" program, sought to improve environmental consciousness and sustainability awareness among students and staff. The program was launched on the occasion of World Environmental Day. Participants created and displayed stickers addressing G20 summit-related subjects such as health and hygiene, sanitation, water conservation, tree planting and power.



GREETING Card Competition

On September 26, 2023, DNAmics and the Department of Biomedical Science hosted a competition for creating greeting cards out of waste materials in collaboration with institutions like Shivaji College and Shyama Prasad Mukherji College for Women.

This program's dual goals were to promote trash management among students and increase awareness of India's G20 presidency. This event placed a strong emphasis on helping students develop their creative and analytical talents, as well as their knowledge of the G20 and how to transform waste into artistry. The contestants displayed exquisite handmade cards on the topic of the G20 constructed from waste materials.

SWACHATA *Drive*

On June 14-15, 2023, DNAmics organized a spirited Swachata Drive, bringing together students, faculty, and staff to enhance hygiene and orderliness within our labs and surroundings. This initiative not only aimed to maintain a pristine environment but also to foster a sense of responsibility and awareness. The main objectives of the drive were addressing lab hygiene, organizing supplies, and educating and pledging. Brief sessions on proper waste disposal, biosafety practices, and personal hygiene were also conducted.



SUNBOARD *SDGs Goals*

On June 19, 2023, the Department of Biomedical Science, led by Dr. Shivani G. Varmani, jointly hosted an event to develop a sunboard representing the Sustainable Development Goals (SDGs) in collaboration with the G20 Presidency Committee. This initiative aimed to promote awareness of the SDGs among staff and students.

As part of the event, information on student welfare committees and the importance of physical, mental, and spiritual health was shared through a welfare poster. The objective was to provide students with essential knowledge to promote a healthy lifestyle and address their concerns. This effort by the administrators emphasised the importance of holistic well-being and aimed to equip students with the fundamental understanding necessary for their overall development and welfare.



SICKLE CELL *Anemia Awareness*

On June 19, 2023, under the guidance of Dr. Uma Dhawan and Dr. Shvetambri,, the department organized a creative and informative collage-making event that aimed to engage students, foster artistic expression, and raise awareness about sickle cell anemia- a genetic disorder affecting red blood cells. Participants used various materials, including research papers, digital graphics, and magazine cutouts to craft their collages- which exhibited key facts about sickle cell anemia, its genetic basis, and its effect on health, packed with creativity and individuality.



TEACHER'S *Day Celebration*

The Department of Biomedical Science conducted a Teacher's Day celebration on September 05, 2023, a special occasion dedicated to honouring and appreciating the hard work and dedication of teachers. The celebration featured various activities, heartfelt speeches, captivating performances, and engaging games that made the day memorable and lively. Teachers and students participated enthusiastically in the festivities, showcasing their talents and fostering a sense of community and mutual respect. The event not only highlighted the invaluable contributions of teachers to education but also strengthened the bond between educators and students.

The joyous atmosphere, filled with laughter and camaraderie, underscored the significance of the teacher-student relationship and reinforced the appreciation for the pivotal role teachers play in shaping the future.

PAMPHLET *making Competition*

In order to spread awareness about cancer, Akriti- the modern and fine arts club, in collaboration with DNAmics, the society of the department of Biomedical Sciences and Sukshmjeev, the society of the department of Microbiology, organised a pamphlet making competition in the month of February. The competition was organised in keeping with this year's World Cancer Day theme: Close the Care Gap.

There was active participation by students from several departments. The event played a significant role in spreading awareness about cancer, and was an educational experience for all participants.



The poster is for a 'PAMPHLET MAKING COMPETITION' with the theme 'CANCER AWARENESS'. It is organized by Akriti - The Modern and Fine Arts Club in collaboration with DNAmics (Society of Department of Biomedical Science) and Sukshmjeev (Society of Department of Microbiology). The event is presented by BHASKARACHARYA COLLEGE OF APPLIED SCIENCES (University of Delhi). The submission deadline is February 13, 2024. The poster includes a registration link and an e-certificate for all participants. It also lists the patron, convener, faculty coordinators, and student coordinators.

PATRON	CONVENORS	FACULTY COORDINATORS
Prof. Anandh Mittal (Officiating Principal) BCAS	Dr. Catherine S. Paul (Convener, AKRITI) Dr. Neha Singh (Convener, Biomedical Sciences)	Dr. Purnima Anand (Coordinator, Sukshmjeev Society) Dr. Shivani G. Varmani (Teacher-in-Charge, Biomedical Sciences)
STUDENT COORDINATORS: Meenakshi (9899387455)		Vidya Chandra (9355786709)

EDU. VISIT *to Hospital*

On 6th February 2024, an educational visit to Manipal Hospital, Dwarka, was organised by DNAmics and Sukshmjeev. Manipal Hospital organised an event in observance of World Cancer Day, in association with Delhi Dabang Kabaddi Club. Viji Varghese, Hospital Director, Manipal Hospitals, and Dr. Durgatosh Pandey, HOD and Consultant Onco Science, Manipal Hospital, Dwarka, addressed the gathered crowd, speaking on the importance of early diagnosis and treatment of cancer, and the importance of such events in spreading awareness among the masses. There were also some fun-filled games to uplift the gathered students and patients. It was a rewarding experience for all attendees.



TRINEXUS' 23

Annual fest

On February 24, 2024, in collaboration with Pearl, the departmental society of Polymer Science, and Ambrosia, the departmental society of Food Technology, DNAmics, the departmental society of Biomedical Sciences organised Trinexus, the annual departmental fest. It was a vivacious day long event full of both fun and learning. Games such as balloon dart, sack race, and treasure hunt were organised, and saw enthusiastic participation. A Mr. and Ms. Trinexus was also organised, in which students took part with gusto.

Notably, each of the departmental societies hosted an educational session for students of the three disciplines.

DNAmics and the Alumni Committee hosted a seminar spearheaded by Biomedical Sciences alumnus Dr. Deepali Joon, Assistant Professor at Sri Guru Tegh Bahadur Khalsa College, DU. She gave a highly informative talk on the topic: Unveiling Advances in Molecular Diagnostics, with a Spotlight on Tuberculosis. This talk provided an exceptional learning opportunity to students, particularly for those interested in research, and was a very fruitful experience



DNAmics
Society of Department of
Biomedical Science



Sukshmjeev
Society of Department of
Microbiology

organizes

CLOSE THE CARE GAP

COME TOGETHER TO FIGHT CANCER

Join us for an interactive session to understand and spread awareness about this disease



INVITED SPEAKER

Dr. Preeti Vijayakumaran
Associate Consultant, Surgical Oncology

DATE: FEBRUARY 13, 2024 TIME: 02:00 PM VENUE: A.V. ROOM

CANCER

Awareness Session

In alignment with this year's World Cancer Day theme—Close the Care Gap: Come Together to Fight Cancer, DNAmics, in collaboration with Sukshmjeev, the departmental society of Microbiology, organised an interactive session on 13th February, 2024, to spread awareness about this disease. Dr. Preeti Vijayakumaran, Consultant, Surgical Oncology at Manipal Hospitals was invited to speak on the same. It was an engaging and enlightening session, where students were made aware all about the symptoms, diagnosis, and prevention of cancer, with a special emphasis on women's cancers like cervical and breast cancer.

INFORMATIVE *Workshop*

The Department of Biomedical Science organized an informative workshop on "Malaria Parasite Gametogenesis: Role of Protein Kinases" on April 18th, recognizing the importance of awareness about various diseases among science students.

The workshop, held from 2:00 pm to 3:30 pm, featured Dr. Sudhir Kumar from Iowa State University of Science and Technology as the invited speaker. The session provided valuable insights into the gametogenesis of malarial parasites, enlightening students on the subject.

The event was organized by first-year students to gain experiential learning, with Dr. Neha Singh as the faculty coordinator. The workshop commenced with a welcome ceremony, followed by the guest lecture and concluded with a vote of thanks. The interactive session engaged students, who received certificates for their participation.

In conclusion, the workshop on Malaria Parasite Gametogenesis: Role of Protein Kinases was a resounding success, providing students with a comprehensive understanding of the topic. The active participation and engagement of students and faculty members alike ensured a productive and enriching experience.



WORKSHOP *Yoga & Meditation*

As exam anxiety peaked, the DNAmics Society organized a workshop to help students achieve academic success and find serenity through yoga and meditation. The one-day event took place on November 22nd, commencing at 8:30 a.m. with Acharya Swaati Jha as the resource person.

Acharya Swati's gentle and helpful approach created a calming and relaxing atmosphere. The session comprised various yoga asanas, including Surya Namaskar, and extensive stretching exercises, culminating in a 10-minute meditation session. Acharya Swati shared valuable tips and encouraged students to incorporate yoga into their daily routine.

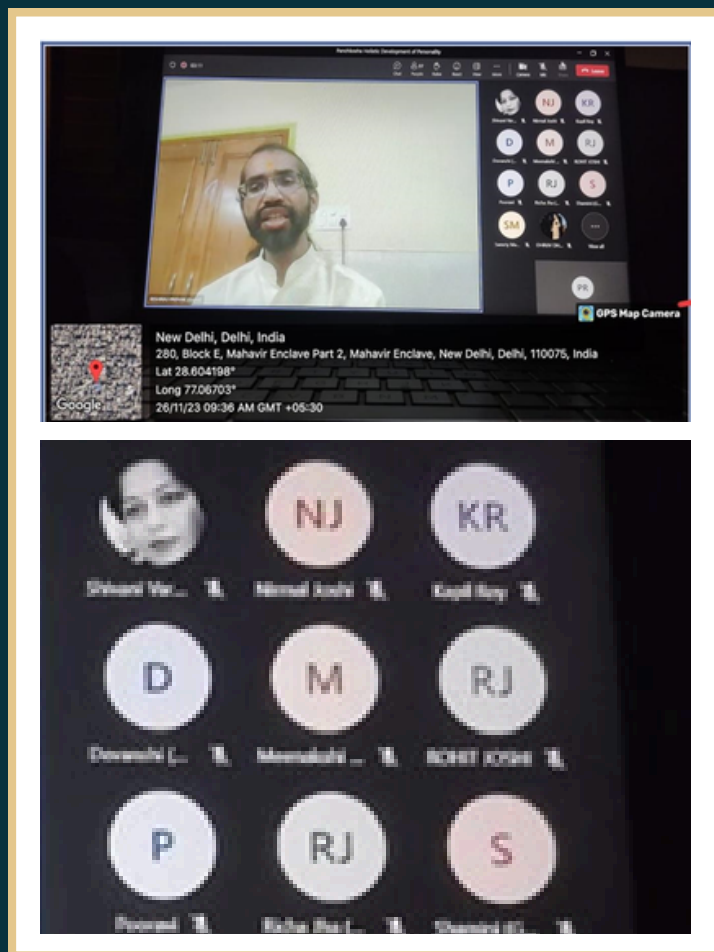
The workshop was a resounding success, providing students with a much-needed respite from exam stress. The DNAmics Society's initiative was lauded for its timeliness and effectiveness in promoting academic excellence and well-being.

WORKSHOP *Panchkosha*

The DNAmics Society, in collaboration with the Department of Physical Education and the Yoga Club, organized a workshop on "Panchkosha: Holistic Development of Personality" on November 26. The online workshop, held from 8:30 to 10:30 a.m., aimed to educate participants on effectively managing life situations through the understanding of Panchkosha.

The workshop focused on explaining the five levels of the mind-body complex - Annamaya, Pranayama, Manomaya, Vigyanmaya, and Anandamaya Kosha - and their role in personality development. By exploring the Indian concept of Panchkosha, the workshop generated awareness about physical and mental well-being. Participants gained valuable insights into improving concentration and managing life situations through a balanced approach.

Dr. Rishiraj Pathak from Shyama Prasad Mukherjee College was the invited speaker for the day. In conclusion, the workshop on Panchkosha was a resounding success, offering valuable knowledge on the importance of balancing the five levels of the mind-body complex for overall well-being and effective personality development.



WORKSHOP *Toxic Substances*

The evolution of lifestyle over time has led to a significant increase in consumerism, with individuals using numerous products daily. In response, the DNAmics Society organized a one-day workshop on "Toxic Substances in Daily Life" to educate students about the potential risks associated with these products.

Dr. Parvinder Kaur, a renowned expert with over 15 years of teaching experience, was the invited guest speaker.

Her informative and engaging talk provided students with valuable insights into the subject. The workshop was particularly beneficial for students of Pharmacology and Toxicology, but all attendees gained new knowledge.

The event was held on November 22nd at 12 PM in the BMS lab, where students participated in experiments under Dr. Kaur's guidance. Dr. Neha Singh, the coordinator, has been instrumental in organizing various workshops for students and deserves appreciation for her efforts.

This workshop was designed for students who had chosen BMS as their elective subject for the semester, but its impact extended to all participants, raising awareness about the importance of safe consumer practices.

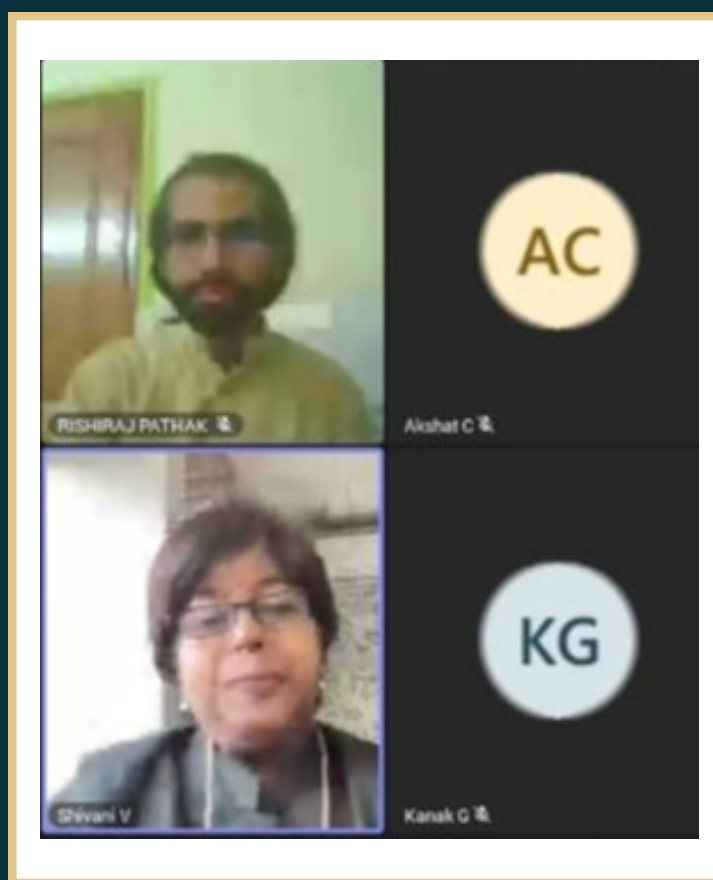
WORKSHOP

Yoga Philosophy

In today's world, stress has become an integral part of our lives, making stress management a vital necessity. Recognizing this need, the Department of Biomedical Science (DNAmics) in collaboration with the Department of Physical Education and the Yoga Club organized a one-day workshop on "Yoga Philosophy and Practice" on November 25th.

The online workshop, conducted from 9:00 a.m. onwards, aimed to educate students about the significance of yoga and meditation in daily life and their impact on stress management.

Dr. Rishiraj Pathak from Shyama Prasad Mukherjee College, DU, was the resource person for the day. The two-hour workshop was beneficial not only for students but also for faculty members.



The event concluded with a vote of thanks by Dr. Shivani G. Varmani, Teacher-in-Charge. The workshop was a resounding success, imparting valuable knowledge on the importance of yoga and meditation in daily life.

The DNAmics Society organized a successful Freshers' event on 11th of October, for the class of 2023. The evening was filled with fun activities, games, and performances that showcased the students' talents.

The event started with a ramp walk, dance, and introduction, followed by rounds of 'Guess the Word', Spin the Wheel, and a Rapid Fire round. Musical and dance performances added to the excitement, making the event a truly unforgettable experience.

The Freshers' event achieved its aim of helping students get to know each other, marking the beginning of a beautiful college journey. The DNAmics Society deserves praise for their meticulous planning and execution.

In conclusion, Freshers 2023 was a magnificent display of talent, friendship, and joy, setting the tone for a fantastic academic year ahead.

FRESHERS

New Batch



ECA

achievements

Sonakshi Srivastava

(1st year)

RRC Poster Making Competition on World AIDS Day

Bisman Kaur

(1st year)

Tug Of War (Interdepartmental sports comp.)

Tuba Khatoon

(1st year)

Poster making (Celebrating Indo-French in relations of wake of India's G20 presidency)

Nandini Prasad

(1st year)

• Character Clash(Srijan 2024, Confianza, Debate Club of BCAS.)

Dhruv Dheer

(3rd year)

• Impression Through hand Competition (Akriti : The modern and fine arts club of BCAS)

Kanak gupta

(2nd year)

• Quote Making(Atelier, The literary Club of BCAS)

Wishesh Joshi

(1st year)

• Poster Making (No- Tobacco day ; Akriti : The modern and fine arts)

Sheetal yadav

(1st year)

• Audition-cum Inter club competition

1

Rahul

(1st year)

• Cricket (Interdepartmental sports competition)

Adarsh

(2nd year)

• Cricket (Interdepartmental sports competition)

Suhani Prasad

(2nd year)

• Poster making (RRC ; World AIDS Day)

Wishesh Joshi

(1st year)

• Quote Making(Atelier, The Literary Club of BCAS)

Akshat Chauhan

(2nd year)

• "Rimjhim Gire Sawan" :Online Solo Singing Competition on Kishore Kumar (Moksha : The Music Club of BCAS)

2

Renu Joshi

(1st year)

• Athletics 100m Girls (Interdepartmental sports competition)

Dhruv Dheer

(3rd year)

• Doodlewood Cinematic Canvas (Srijan ; Akriti : The modern and fine arts club)

Chandini Patta

(1st year)

• Yogasana Competition (Yuj, The yoga society)

Ajay Kushwaha

(1st year)

Switch Tales : Genre swap challenge (Srijan ;Atelier : Capability Enhancement and Literary club of BCAS)

Rishabh Deswal

(1st year)

Switch Tales : Genre swap challenge (Srijan ;Atelier : Capability Enhancement and Literary club of BCAS)

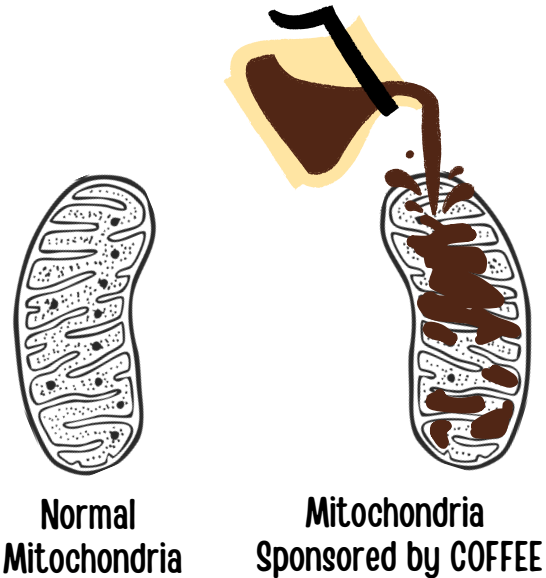
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THE LAUGHTER RECEPTOR

Meme Edition



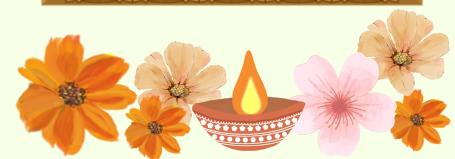
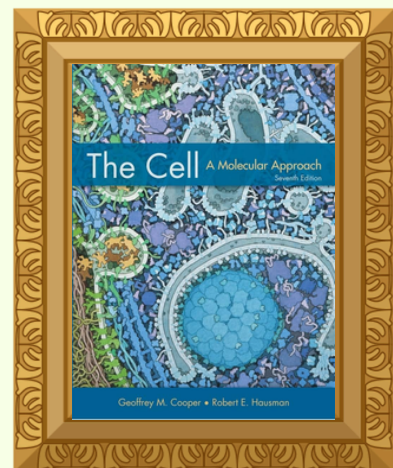
Naaisha Raina, 1 Year



Meenakshi, 2 Year



Vaishnavi Jha, 2 Year



Biomed Students right before
Cell Biology Exam

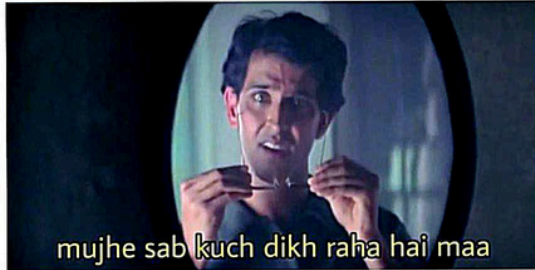
Meenakshi, 2 Year

Me before adding immersion oil at 100X



mujhe kuch nahi dikh raha maa

Me after adding immersion oil at 100X



mujhe sab kuch dikh raha hai maa

Shruti Sudipta Mohanty, 1 Year

just doing the taste test for hpa :



Biplab Boro, 1 Year

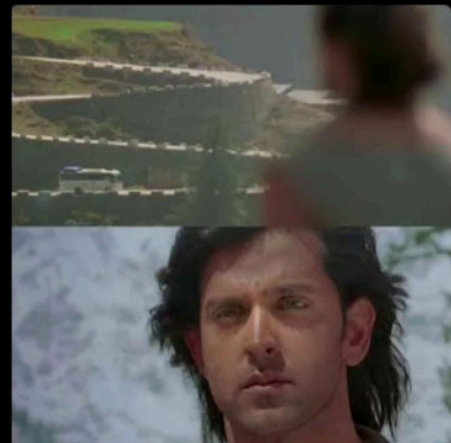
BMS student after performing BP experiment in lab



Doxtor!!

Shruti Sudipta Mohanty, 1 Year

Scientific Calculator watching me heading to my Biostatistics Exam with TV Remote



Shruti Sudipta Mohanty, 1 Year

the chemistry part of the course after destroying students :



Biplab Boro, 1 Year

**First finger prick experiment in HPA class
ME :**



[brave externally]



[screams internally]

Shruti Sudipta Mohanty, 1 Year

Editorial Board



Meenakshi

Editor-in-Chief & Design Head

Welcome everyone, hope you all like our hardwork and it is only possible because of all the hardwork, efforts and creativity of the team and the help of faculty. We wish you enjoy thr first edition as we tried to capture everything within the department. Here, each and every text, photo and everything shows the talent, passion and knowledge within the department students and it all encourages our spirit.

Kanak Gupta

English Literary

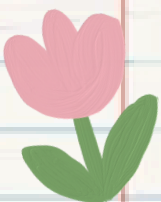
Hello readers and page-flippers!

Welcome to the debut volume of our magazine, a curated blend of science and creativity, an intellectual equivalent of momo with spicy chutney.

It was a great experience working with this great team of editors, designers and ofcourse, our enthusiastic Editor-in-chief :)

Our collective aim was to ensure that every page is as engaging as a cat video and as enlightening as a TED talk, along with putting spotlight on everything within our department.

Happy reading!





Angifina

English Literary

Greetings wonderful readers!

As a proud member of our magazine team, I'm thrilled to unveil our departmental magazine. We've embarked on the journey to bring you a vibrant tapestry of articles, cutting edge research, and creative expression that truly captures the essence of our department. This magazine is packed with scientific wonders and information. We have adopted a rigorous scientific approach to ensure that each piece is both informative and engaging.

Happy reading and stay curious!

Nandini Prasad

English Literary

It has been an absolute joy to help shape our very first volume of {Transcript}, which flaunts all the vibrance and colour of our department in its full glory. I'm really proud of the collaboration and teamwork that went into making this possible. I hope that we have been able to capture all of our department's academic flair and extra-curricular talent, and that it makes for an engaging read. Thank you for your effort in giving us so much to add to this magazine!



Wishesh Joshi

English Literary

It has been an absolute pleasure to be a part of our departmental magazine. Serving on the writing team has afforded me the opportunity to reflect on and relive the memorable moments we've shared as a department, from Freshers' events to various other gatherings. Through this publication, I hope that our readers will also have the chance to revisit and cherish these experiences.

We all have tried to make this magazine a success and we really hope that you enjoy reading this as much as we enjoyed making the magazine.





Kiyara Vinod

Designer



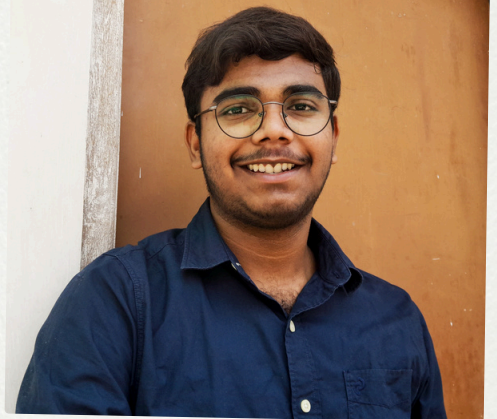
Being a part of [Magazine Name] and its journey from Word articles to beautifully designed pages has been an immense pleasure. We've all been led to believe that only Times New Roman can convey the seriousness of the document, but as someone who often finds themselves unable to answer the question, "Is it fashionable, or is she Bella Hadid?" I hoped to make this magazine a supermodel—full of ideas and words that can't be expressed as an assignment that needs to be submitted to Lab 1 with the lab staff. A special thanks to the Editor-in-Chief, all the members of the editorial board, and Kuroo (my team- emotional support). And of course, thanks to you for picking up the magazine and fulfilling its purpose as a reader.

Abhishek Sinha

Designer

Dear Readers,

I am thrilled to present the inaugural edition of our departmental magazine. Dive into a vibrant blend of art and science, thoughtfully curated by our talented team. Your support and feedback are invaluable as we embark on this creative journey together. Enjoy and bless this edition with your readership!



Shruti Sudipta Mohanty

Designer

Dear Readers,

Who knew I'd go from mixing chemicals to mixing fonts? With incredible teamwork and our leader's guidance, we crafted our department's very first magazine!! Nobody can be as excited as us when we were crafting this beauty.

My wish? That it becomes a cherished piece of our department's legacy, something future students will flip through with pride, laughter and nostalgia.

To readers- May this magazine be your companion in moments of study-break & boredom proving that even in biomedical science, there's always room for a bit of flair!

Happy reading!!





Chanvit

Content

Dear Readers,

I am deeply grateful to our department, for the opportunity to be part of the editorial board for our departmental magazine. Your guidance and trust have been invaluable, and I am excited to contribute to this wonderful initiative.

To our readers, thank you for your support! We hope this edition inspires and engages you. Happy reading!



Bisman Kaur

Content

As a student editor, I'm excited to introduce our department's first magazine. This project has been a great learning experience, bringing us all closer together. We've worked hard to create something meaningful and entertaining. I hope this magazine sparks interesting conversations, showcases our creativity, and becomes a cherished part of our college life. To our readers: enjoy exploring these pages, and may you find something that inspires or intrigues you. Here's to many more editions in the future!



Ajay Kushwaha

Content

Dear Readers,

I am beyond excited to share with you the very first edition of our department's magazine. It has been an incredible journey putting together this collection of creativity, knowledge, and inspiration. We poured our hearts into every page, and we hope you find as much joy in reading it as we did in creating it.

Thank you for your unwavering support, which made this possible.



DEPARTMENT OF BIOMEDICAL SCIENCES

Department of Biomedical Science



TRANSCRIPT (1ST EDITION)

ANNUAL MAGAZINE OF DEPARTMENT OF BIOMEDICAL SCIENCE