

APRIL 2025

KALINDI COLLEGE



# NEWSLETTER

## PALLETE-O-MATH



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# MESSAGES



**Prof. Meena Charanda**

## PRINCIPAL

It gives me immense pleasure to extend my warm wishes to the Mathematics Department for the publication of its newsletter. The department's dedication to academic quality, creativity, and holistic growth is reflected in this Newsletter. Mathematics, being the foundation of logic and reasoning, plays a pivotal role not only in scientific and technological advancements but also in shaping analytical minds. The activities and achievements featured in this newsletter are a testament to the department's consistent efforts in fostering analytical thinking, creativity, and academic growth.

I congratulate the editorial team and all contributors for their efforts in bringing out this Newsletter and wish the Department of Mathematics continued success in all its future endeavors.

## TEACHER IN CHARGE

This Newsletter for you as inspirer and for guidance. It will remind you of your strength. We salute the works of our editors. All this was not possible without the efforts of the editorial team and the contributions of articles. The content of this Newsletter includes latest developments in Mathematics, interesting articles on Mathematics as well as on topic of general nature and achievements of students of Department of Mathematics. May this Newsletter express our appreciation for your support and engagement. We appreciate all writers of articles. May this Newsletter demonstrate our commitment to providing you with informative, engaging and inspiring content. This Newsletter is a ray of sunshine and will brighten your spirits.



**Dr. Abhishek Kr. Singh**



**Ms. Garima Gaur**



**Mr. Manish Kumar**

## FACULTY EDITORIAL BOARD

We are delighted to present the inaugural edition of our newsletter, Pallete-O-Maths 2025, a significant step towards fostering academic excellence within the Department of Mathematics. This initiative aims to showcase innovative ideas, share insights from Mathematics Education research, and highlight experiences, challenges, and engaging activities from the field of mathematics. It is designed to serve as a platform for meaningful exchange, connecting educators with the latest developments in research and practice while encouraging reflective and progressive pedagogical approaches. We extend our heartfelt thanks to our Principal, Professor Meena Charanda, for her unwavering support and guidance. We also sincerely appreciate the dedication and collaborative efforts of our faculty, students, and contributors, whose hard work made this launch possible. We hope this newsletter inspires students to engage actively in academic and co-curricular pursuits and is a valuable resource for celebrating their participation and achievements in various competitions.

# STUDENT EDITORIAL BOARD



**Seema Chaudhary**  
3rd year

It's a joy and honor to present this edition of the Mathematics Society Newsletter. Mathematics isn't just about numbers—it's about patterns, logic, and the beauty of solving the unsolvable. I'm truly grateful to be part of this inspiring department, where every equation tells a story and every problem sparks curiosity. Heartfelt thanks to our amazing teachers and teammates—this newsletter is a reflection of our shared passion and dedication.

Working on this newsletter has been such a fun and rewarding experience. It gave me a chance to look closely at everything that makes our department so vibrant, be it achievements, events, or the little moments that bring us together. This edition is a small reflection of our shared efforts and enthusiasm for mathematics. A big shoutout to everyone who contributed and made this happen! Hope you enjoy reading it as much as we enjoyed creating it.



**Urvi Sharda**  
2nd year



**Riya Sharma**  
2nd year

It's been a pleasure curating this edition of our newsletter, which reflects the vibrant spirit of our department. From academic highlights to student achievements, this issue celebrates the essence of mathematics beyond the classroom. Thank you to everyone who contributed. Hope you enjoy reading it!

As the Student Editor of the society's newsletter, Working closely with a dedicated team of student contributors and under the valuable guidance of our faculty advisor, we brought together creative ideas, society highlights, and member achievements into a well-structured and engaging publication. I took initiative in coordinating tasks, ensuring deadlines were met, and maintaining editorial quality, while also encouraging teamwork and collaborative input. Together, we successfully created a newsletter that truly represented the essence and enthusiasm of our society.

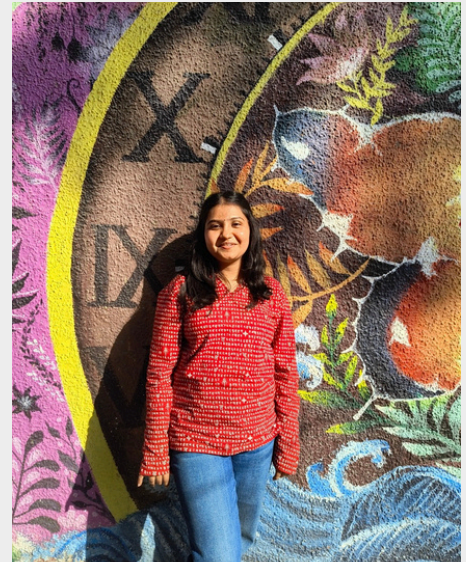


**Anushka Yadav**  
2nd year



# ALUMNI'S MESSAGE

As I reflect on my three years as a mathematics undergraduate at Kalindi College, I am overwhelmed with gratitude for the journey that shaped me—academically, intellectually, and personally. What began as an exploration of numbers and theorems soon evolved into a transformative experience, one that taught me the power of perseverance, critical thinking, and leadership.



Pooja Sharma  
BATCH 2021-24

Entering this field, I started from the very basics, often grappling with abstract concepts that seemed daunting. Yet, with the steadfast guidance of my professors and their unwavering belief in my potential, I slowly unraveled the beauty of mathematics. Their mentorship was not just about imparting knowledge; it was about nurturing curiosity, fostering resilience, and encouraging an insatiable thirst for learning. Beyond academics, my tenure as the Secretary of the Mathematics Society was one of the most enriching experiences of my undergraduate years. Spearheading initiatives, organizing events, and engaging with a community of passionate learners honed my leadership and communication skills in ways that no classroom lecture ever could. Hosting events and standing before an audience was initially intimidating, but it became an invaluable lesson in confidence and adaptability. Every challenge faced in this role reinforced my belief that growth lies beyond the comfort zone.

# ALUMNI'S MESSAGE

## Life's Simple math

Like the modulus function, always try to stay positive.  
Like the identity function, try to maintain self-identity.  
Like the sine function can be used to show ups and downs of life. So, like the constant function 'c', be constant through every phase.

Like polynomial functions, stay continuous in life's race.  
Like integration, summing small steps leads to big results.  
Like the exponent function, always be increasing towards your goals.

Like an inflection point, be in a mid-state, neither hyperexcited nor without any excitement.

Like three dot (...) symbol, be short but profound

Like proportion, strike a balance between desires and necessities.

Like a Fibonacci's sequence, in life our efforts compound, as each step adding up, a bigger result is found.

Like binary operations, always find closure with your group members.

Like exclusions (/), try to ignore something, as sometimes ignorance is also blessing. Like mathematical statements, avoid ambiguity in your thoughts.

Sometimes Matrix method like tactics, can make life's calculations easy.

And for someone's intermediate situation, you can be a guiding L'Hôpital's rule.

Like open brackets (), open yourself for happiness, put close brackets [] around your problems.

Life is a roller – coaster ride, like a graph, where Sometimes, epsilon-delta-like assumptions can yield desired results. And, as in probability, we choose a card from the deck for random experiments; do the same in life-choose a path for yourself and conduct all possible experiments and explorations.

As like infinity () opportunities in life are boundless and everlasting.

We should learn from mathematics never bound ourselves otherwise we will never be able to approach infinity (grow). Life is so uncertain but never give up if growth is even negligible we should this exponential function.



Muskan Garg  
BATCH 2021-24



# MEET OUR UNION

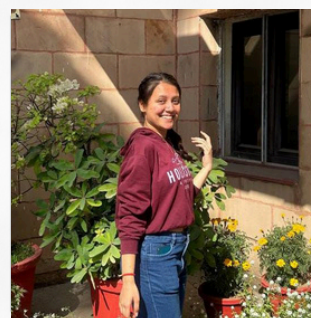
## SESSION 2024-25



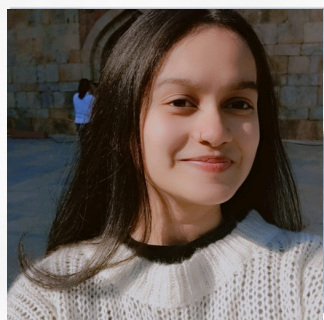
**Tanvi**  
**President**



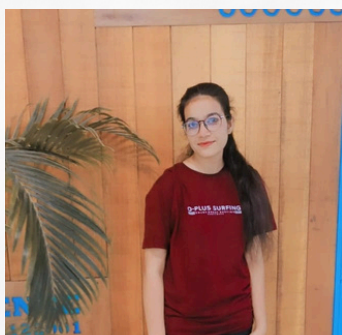
**Divyanka**  
**Vice President**



**Kanak Goyal**  
**Vice President**



**Smriti Kumari**  
**Secretary**



**Meenakshi Yadav**  
**Joint Secretary**



**Riya Sharma**  
**Joint Secretary**



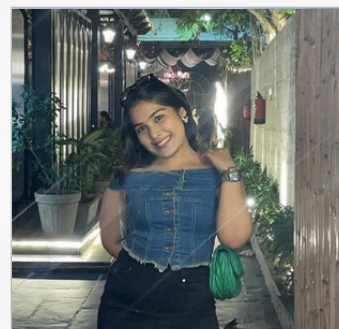
**Sakshi**  
**Treasurer**



**Anushka Yadav**  
**Technical Head**



**Khushi Mahajan**  
**Creative Head**



**Riddhi Raheja**  
**Media Head**

# ARTICLES

## Topology - A Brief Idea

This is a very short and intuitive understanding of what is the Topology. Topology is a branch of Mathematics that deals with different shapes and sizes. Compared to other branches of Mathematics this is relatively new and hence the chances of making a career are immense. Modern researchers show that Topology has immense potential and great Mathematicians like Grigori Perelman, Maryam Mirzakhani, Mikhail Gromov had made great contributions in Topology.

Topology is a mathematical discipline which gives precise formulations for the concept of a general spatial structure and deals with all properties of a space that are invariant under one to one bi-continuous mappings. A basic problem of topology is to define a general space and to investigate relationships between the topological structures defined in different ways. A spatial structure might be taken as the notion of 'distance', the notion of 'nearness', the notion of 'convergence', the notion of 'limit points of sets' etc. The notion of 'nearness' has also a psychological appeal. The notion of 'distance' was made precise by 'Frechet' in 1906 when he introduced metric spaces. The concept of 'nearness' was replaced by the mathematical concept of 'neighbourhood' introduced by 'Housdorff' in 1914. The Housdorff axioms of neighbourhoods are of interest even for social scientists. The concept of 'limit points of a sets' was formulated by 'Riesz' in 1908 and extended by 'Kuratowski' in his thesis of 1920 in terms of his closure operator. The notion of introducing a spatial structure through 'convergence' was undertaken by 'Frechet' but abandoned later as it proved tedious to formulate the axioms in terms of 'convergence'. Topological space may be regarded as a mathematical discipline where we can suitably study continuous mappings. Topology has two main branches, General Topology and Algebraic Topology. General Topology makes use of set-theoretic techniques and Algebraic Topology uses group theory to a great extent. Topology is concerned with understanding the intrinsic properties of spaces, such as: Connectedness, Compactness, Boundaries, etc.

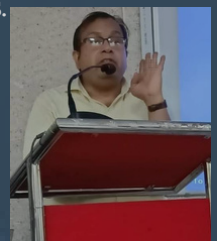
Some key concepts in topology include:

1. Topological spaces: These are the Mathematical structures that Topology studies.
2. Homeomorphism: A continuous transformation between two Topological spaces that preserves their properties.
3. Homotopy: A way of deforming one curve into another within a Topological space.
4. Manifolds: These are Topological spaces that are locally Euclidean, meaning they resemble Euclidean space near each point.

Topology has many applications in:

1. Physics: Topology is used to study the properties of space-time, particularly in theories like general relativity and quantum gravity.
2. Computer Science: Topology is used in computer graphics, networking, and data analysis.
3. Biology: Topology is used to study the structure of molecules, cells, and tissues.
4. Materials Science: Topology is used to study the properties of materials, such as their conductivity and strength.

**Dr. Abhishek Kr. Singh**  
Department  
Of Mathematics





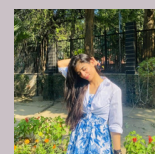
## Women in Mathematics

For centuries, men have been the dominant figures in mathematics. Women, however, have been making important contributions since ancient times. Until recently society dictated that it wasn't very respectable for women to be Mathematicians. In a patriarchal society where were oppressed if they had an opinion. A woman establishing a theorem was unheard of. However, there were a few women who dared to go against the flow and their achievements demonstrate that women have as much to contribute to Mathematics as any of their male counterparts. Throughout history, numerous women have made significant contributions to mathematics, including, Hypatia, Ada Lovelace, Sophie Germain, Katherine Johnson, and Emmy Noether, among others, have broken barriers and inspired future generations. After a pause, women reemerge as significant figures in math. Elena Lucrezia Cornaro Piscopia helped reignite the momentum of women in the field in 1678 when she became the first woman to earn a PhD. Maria Agnesi would be r

remembered as the first woman to write a mathematics textbook. Russian-born Sofia Kovalevskaya continued making headway for women in mathematics in the late 1800s. She received a PhD in 1874 from Göttingen University in Germany, even though she was not officially enrolled due to her gender. "The circumstances were exceptional, she had to ask each professor for special permission to take his class,". Piscopia faced the same restriction; she was never enrolled in a university either. Women wouldn't be allowed to enroll until the 1880s, according to Emerson. Kovalevskaya's noteworthy contributions to analysis, partial differential equations, and mechanics culminated in her becoming the first woman to be awarded the Prix Bordin by the French Academy of Sciences in 1888. Phoebe Sarah Hertha

Ayrton was a British engineer, mathematician, physicist, and inventor. She attended Girton College, Cambridge where she studied mathematics. In 1880, Ayrton passed the Mathematical Tripos (the taught mathematics course in the Faculty of Mathematics at the University of Cambridge) but was not granted a degree because, at this time, Cambridge gave only certificates and not degrees to women. She successfully completed an external examination and received a B.Sc. degree from the University of London in 1881. Despite being bound by the backward, orthodox societal norms, these women showed remarkable progress in the field of Mathematics and Science. It is noteworthy how they achieved excellence in their respective fields despite a lack of resources and a prevalent chauvinistic society. It is undoubtedly true that we would have never achieved the milestones of success in the field of Mathematical Science if it hadn't been for these and hundreds of other strong-headed women who decided to defy society for good and push the world of science into a more progressive stage

Khushboo Solanki  
3rd year  
B.Sc. (Hons.)  
Mathematics



## My Creative Idleness

scribbling my pen on notebook, notably rough one, passing the hours ticking on the clock on my phone, very terribly busy with idleness of mine. although, I'm from maths department, and I'm sure that you'll be reacting ??? why ?? . yes it's boring and frustrating in full day. well it was eve of around 2-3 pm, Real analysis class was on by beautiful cute teacher ## MAM.

Hey ! I genuinely respect the teacher and not making any mocking of her in this article

Being a student, a sense of boredom came, next to me my friend playing some game in her phone whereas, me after solving the written equation, actually "copying the equation from the board", I yawned and finally think of creative idea for making art of her.

she is a tapestry of beauty and cuteness, genuinely we all girls wonder, what she puts in her skin to look so flawless till now. then what, I drew a piece of her and still remembered as a memory and occasion of my creative idleness. Mam is way more beautiful than this picture how beautiful is she !! no ?



-Yashorathnam  
3rd year  
B.Sc. (Hons.)  
Mathematics

## Mathematics In Space Exploration

Mathematics is absolutely crucial for space exploration, providing the tools to calculate trajectories, understand orbital mechanics, analyze data, and design spacecraft, ultimately enabling us to explore and understand the cosmos.

How math is used in space exploration:

### 1. Calculating Trajectories and Orbits:

Trigonometry and Geometry:

These are essential for calculating distances between celestial bodies, determining angles for launching spacecraft, and understanding the shapes of orbits.

Calculus:

Calculus is used to model the continuous motion of spacecraft, predict their trajectories, and optimize fuel consumption.

Algebra:

Algebra is used to solve equations and manipulate variables, which is crucial for calculating speeds, velocities, and other parameters related to space travel.

Vectors:

Vectors are used to represent forces, velocities, and displacements in space, which is essential for understanding the motion of spacecraft.

### 2. Spacecraft Design and Engineering:

Engineering Calculations:

Engineers use math to calculate the strength and stability of spacecraft structures, the amount of fuel needed for a mission, and the optimal design for various components.

Data Analysis:

Space missions generate vast amounts of data, and math, particularly statistics and probability, is essential for analyzing this data, identifying patterns, and drawing meaningful conclusions about the universe.

Mathematical Modeling:

Scientists use mathematical models to simulate space phenomena, such as the behavior of black holes, planetary movements, and star formations.

### 3. Navigation and Communication:

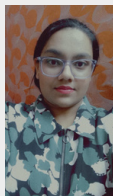
Global Positioning System (GPS):

Math is used to determine the precise location of satellites and spacecraft, which is essential for navigation and communication.

Signal Transmission:

Math is used to compress and transmit data, which is crucial for communicating with spacecraft and receiving data from space.

-Jyoti  
2<sup>nd</sup> year  
B.Sc. (Hons.)  
Mathematics



## The Hidden Math Behind Everyday Decisions

Whether you're picking the fastest route to class, choosing a movie on Netflix, or even deciding what snacks to grab at the store, math is quietly working behind the scenes. We often associate mathematics with classrooms and textbooks, but its real power lies in shaping the world we interact with — often without us even realizing it.

### 1. Algorithms and Recommendations

Ever wonder how Spotify knows what song you'll probably like next?

Or why Instagram seems to read your mind with its feed? These platforms use mathematical models, particularly in the fields of statistics and machine learning. By analyzing patterns in your behavior (and millions of others), algorithms calculate probabilities and make predictions — all thanks to math.

### 2. The Probability of Choices

Say you're deciding whether to take an umbrella to campus. You check the weather, and it says there's a 30% chance of rain. That simple percentage is based on complex probabilistic models analyzing atmospheric data. Even when we make choices based on "gut feeling," we're often subconsciously weighing risks and odds — a very mathematical mindset.

### 3. Optimization in Daily Life

From planning your schedule to picking the best deal on a website, you're doing what's known in math as "optimization" — choosing the best option given certain constraints. Tech companies use advanced optimization algorithms to save time, money, and resources. Google Maps, for example, uses graph theory and real-time data to recommend the quickest routes.

### 4. Game Theory in Social Interactions

Ever negotiated a group project or decided when to message someone back? Game theory, a branch of math that studies strategic decision-making, is at play. It helps explain behaviors in competitive and cooperative situations — from economics to relationships.

## Why It Matters

Understanding the math behind these decisions doesn't just make you smarter -it gives you a clearer view of the world. It helps you think critically, avoid manipulation, and even make better personal choices. So the next time you find yourself scrolling endlessly through Netflix, just remember- your decision might seem random, but math has already narrowed down your options

-Aditi Verma  
1st year  
B.Sc. (Hons.)  
Mathematics





## Finding Calm Through Mathematics

While many associate mathematics with pressure and exams, it can actually be a peaceful retreat for the mind. Engaging with numbers and patterns offers not just intellectual challenge, but emotional clarity and calm.

When we immerse ourselves in solving a problem, we momentarily leave behind our worries. This mental shift is like meditation—deep focus brings quiet to the mind. Henri Poincaré captured this beautifully: “It is by logic that we prove, but by intuition that we discover.” Mathematics blends both, inviting calm through structured exploration.

Amid life’s uncertainty, math offers something rare—consistency. Formulas don’t change, logic remains solid. As Bertrand Russell once said, “Mathematics, rightly viewed, possesses not only truth, but supreme beauty.” That beauty lies in its patterns, symmetry, and order—anchors in a chaotic world.

Maryam Mirzakhani, a brilliant mathematician, once noted, “The beauty of mathematics only shows itself to more patient followers.” It is this patience, nurtured through solving problems, that strengthens our minds against stress.

In the end, mathematics is more than a subject—it’s a way to slow down, think clearly, and find mental stillness. Sometimes, peace is just a puzzle away.

-Anshika Gangwar  
3rd year  
B.Sc. (Hons.)  
Mathematics



## Famous Mathematical Mistakes That Changed the World

When we think of math, we often imagine precision, formulas, and correctness. But what happens when math goes wrong? Surprisingly, some of the most impactful historical events have occurred due to simple mathematical errors. From space missions to construction projects, these mistakes remind us how powerful — and risky — numbers can be.

### 1. NASA’s Mars Climate Orbiter: A \$125 Million Miscalculation

In 1999, NASA lost a spacecraft simply because two teams used different units. One team used imperial (pound-seconds), while the other used metric (newton-seconds). This mismatch caused the spacecraft to enter Mars’ atmosphere at the wrong angle — and it disintegrated. All because of a basic conversion error!

### 2. The Gimli Glider: A Plane That Ran Out of Fuel Mid-Flight

In 1983, an Air Canada Boeing 767 ran out of fuel mid-air. The reason? Fuel was loaded using the wrong unit — pounds instead of kilograms. Thankfully, the pilots glided the plane to safety at an abandoned airstrip. But the incident could have ended very differently, all due to a math mistake.

### 3. The Broken Bridge: The Sleipner A Oil Platform Collapse

In 1991, a billion-dollar Norwegian oil platform sank due to a miscalculation in the strength of the concrete structure. An error in the software’s mathematical model caused the platform to collapse, creating a 200,000-ton disaster — literally.

### 4. Patriot Missile Failure: A Tiny Error, a Tragic Outcome

During the Gulf War, a U.S. Patriot missile failed to intercept an incoming Iraqi Scud missile due to a tiny rounding error in the software’s calculation of time. This caused the missile to miss its target, resulting in the deaths of 28 soldiers in a U.S. barracks.

### What Can We Learn?

These stories show that even the smallest mathematical mistakes can lead to massive consequences. They also highlight why accuracy, communication, and double-checking calculations are so important — not just for scientists and engineers, but in everyday life too.

So the next time you’re solving a math problem, remember: it’s not just numbers. It’s precision, and sometimes — it’s history in the making.

-Kanak Goyal  
2nd year  
B.Sc. (Hons.)  
Mathematics



# EVENTS

## Teacher's Day



ANANTATA, The Mathematics Society of Kalindi College, recently celebrated Teacher's Day. The celebration started with welcoming our beloved professors by office bearers. They welcomed them by giving Flowers and Cards. Then We had Welcome speech by Dr. Abhishek Kumar Singh (TIC, Department of Mathematics). All the professors of the Mathematics department played Dumb charades. This game was of two types- firstly, the professors had to guess the song taken from the 90's by listening to the tune. Secondly they were given English lyrics and they had to guess the song name. Then we had a cake cutting ceremony with all the teachers. This celebration ended with the ice-cream given to all the students by teachers

## Expert's Lecture

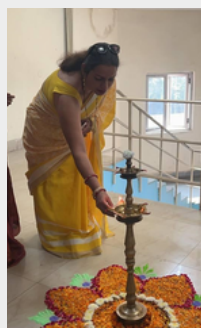
The Mathematics Department of Kalindi College recently organized a lecture on "Mathematics with Meditation: An Innovation." on 24<sup>th</sup> October 2024. The session introduced students to the idea of combining meditation with mathematics to improve focus, creativity, and overall well-being. "Lecture by Dr. Neetu Arneja" who is an alumni of Kalindi college. All the faculty members and the students of the Department of Mathematics were present. The lecturer also discussed how meditation enhances concentration and patience—qualities that are essential for studying mathematics. They shared practical techniques for students to apply in their daily lives.



## Paper Presentation Competition

ANANTATA, the Mathematics Society of Kalindi College, organized a Paper Presentation Competition on 13 Nov. 2024 on the theme "Mathematical Discoveries and Innovations." The competition aimed to cultivate research and analytical skills among students in their respective fields of specialization. Participants presented their topics to the panel of judges, which included Dr. Santosh Kaushik from Bhagini Nivedita College and Dr. Rajni Kanwar from Kalindi College. The winners of the competition are as follows:

- 1<sup>st</sup> position : Aman Kumar (Rajdhani college)
- 2<sup>nd</sup> position : Sakshi Aswal (LSR College)
- 3<sup>rd</sup> position : Kanak Goyal (Kalindi College)





## Badge Ceremony

On 13<sup>th</sup> nov, 2024, Principal conferred badges upon the office bearers, marking a moment of appreciation and recognition. All the office bearers were introduced with their posts to teachers. Each Head introduced their team.



## Ramanujan Day

On Ramanujan Day(23rd dec2024), ANANTATA, The Mathematics Society of Kalindi College, Delhi University, celebrated the life and contributions of the great mathematician Srinivasa Ramanujan through a series of engaging activities that highlighted his genius and inspired creativity among participants. To add an element of fun, interactive games were organised that challenged participants' problem-solving skills and encouraged teamwork. The games were a hit, providing both entertainment and learning opportunities.



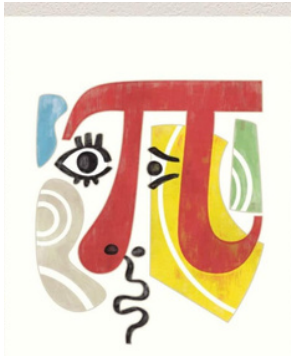
## Math-e-Magic'25

The Mathematics Society of Kalindi College organized the annual inter-college fest , Math-e-Magic'25 on 17th April, 2025. The festival provided opportunity to young minds to explore Mathematics through participating and winning prizes in various events like, Quiz, Treasure Hunt, Sudoku, Photography and Open Stage .Students from various colleges participated in the event and won prizes. students had an amazing time throughout the event





# TALENT CORNER



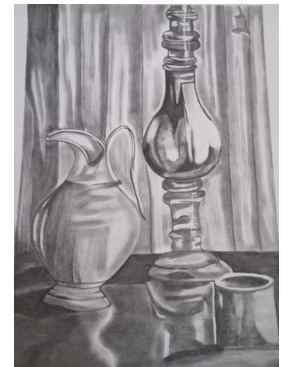
Vasudha  
2nd year



Niketa Raj  
3 rd year



Aashvi Agarwal  
3 rd year



Niketa Raj  
3 rd year

*"Mathematics is the music of reason."*  
— A Tribute to ANANTATA, Mathematics Department, Kalindi College

***"Mathematics: Towards Infinity"***

Where ideas rise and softly gleam,  
Math flows like a timeless stream.  
In Kalindi's halls of thought and grace,  
Logic finds its sacred place.


In every proof, a quiet spark,  
We journey through both light and dark.  
Equations whisper truths untold,  
In symbols bold and patterns old.

ANANTATA—not just in name,  
But endless thought, a burning flame.  
From zero's stillness to boundless skies,  
Our minds ascend, our spirits rise.

In numbers, curves, and lines we see  
Reflections of complexity.  
And yet within this structured art,  
Beats the rhythm of a curious heart.

We do not just compute and solve,  
We question, wonder, and evolve.  
Each theorem is a guiding star—  
Showing us who we truly are.

Together, we walk with steady pride,  
With thought and truth as our guide.  
In ANANTATA's light, we learn to be—  
Seekers of infinity

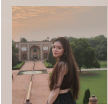


**Arpita**  
First year  
BSC(H) MATHS

**Different**

The color of my skin is two colors, not one  
People stare at my skin like it is strange and it stung  
I felt out of place, like a weed in a garden  
It's tough to live like this, but I still have pardon  
I have friends and family that love and care  
Whenever I'm sad about it, they're always there  
There's no need to cry over the differences I have  
All I know is I'm never alone and God is my path  
He shows me the way around the sadness  
He helps me become stronger and fearless  
I stand proud in my place, whether people like it or not  
I may be different, but that doesn't make me stop  
People, like me, I know how you feel  
And I'm here to help you, and show you God's will  
God doesn't do things without a reason  
That's why I like being an inspiring person  
You don't need to feel embarrassed about your skin  
Embrace your diversity  
Because magnitude comes from within  
The people may stare, they may point, completely stunned  
But this isn't a mistake  
Your journey's just begun

Lovely Kedia  
2nd year



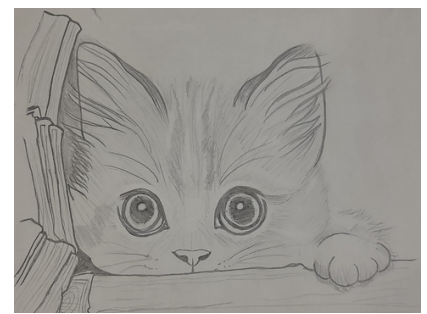
Aashvi Agarwal



Anushka

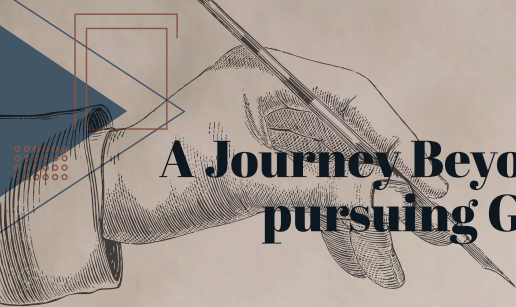


Smriti



Prachi Yadav





# **A Journey Beyond Borders : The Challenges faced by a girl pursuing Graduation away from her native state .**

Leaving home to pursue higher education is a milestone, but for many young girls, especially those moving to a new state, the journey is far from smooth. The transition from school to college itself is daunting -but when it's coupled with a change in culture, environment, language, & lifestyle, the experience becomes even more challenging.

This article sheds light on the lesser-known struggles a girl faces during her graduation years in a bustling city like Delhi.

- **Adapting to a New culture:**

Delhi is a melting pot of cultures, but it still comes with its own pace, behavior, & lifestyle. For a girl moving from smaller town or a culturally different region, the adjustment can be overwhelming. Language barriers, unfamiliar customs, & a fast-paced city life can create an initial sense of alienation.

- **Housing Hassles & Safety concerns:**

Finding safe & hygienic accommodation is another big hustle .University hostels are limited & competitive. PG's & rented flats vary in quality & price. Many girls face poor living conditions, unclean bathrooms, inadequate food & strict landlord rules. Safety, especially while commuting or returning late, remains a daily concern.

- **Mental & emotional Health:**

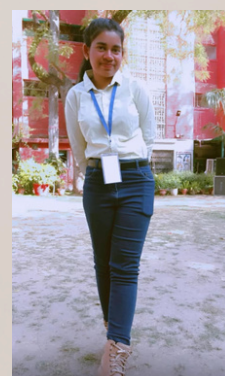
The cumulative impact of all these changes can weigh heavily on mental well-being. Loneliness, homesickness, academic pressure, & financial anxiety often go unnoticed. Many girls struggle silently due to lack of awareness or access to mental health support

- Many more topics such as pocket money & financial struggles, living in Delhi comes with a cost. Managing expenses on limited pocket money becomes a constant balancing act. With rent, food, travel, academic materials, & occasional social life to manage., budgeting becomes a daily stressor. For many girls, there's no option but to sacrifice leisure or compromise on essentials .
- The journey from school to college in a new state like Delhi is not just a story of academics – it's a story of courage, adaptation, learning Independence & Resilience, New syllabus & struggles & quiet strength. By understanding & addressing the challenges these young girl's face, we can work towards a more inclusive, supportive educational environment where dreams & pursued not in silence, but with strength & dignity.

Last, I would like to mention, I am also in the same category . A girl who left her hometown behind to chase a dream in a city she felt unfamiliar at first. I'm still learning, still growing & still holding on to the dream that brought me here. If you're on the same path, just know-you're not alone.

Thank You.

-Agya  
1st year  
B.Sc. (Hons.)  
Mathematics





# MEMORIES





# CABINET 2024-25



**THANK YOU**