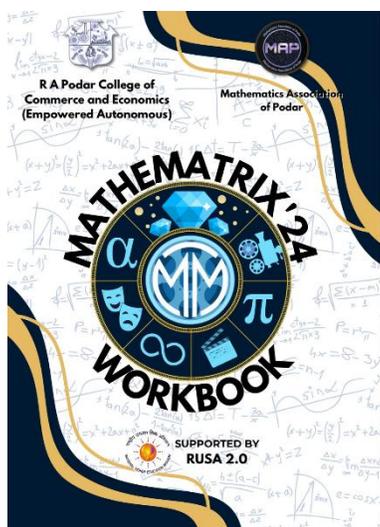


# Mathematics Association of Podar Annual Report 2024-25



**Faculty-in-Charge:** Dr. Suresh Hiremath

**Student Secretary:** Ms. Harjyot Chawla

**Joint Secretaries:** Ms. Arya Gala, Ms. Madiha Surve and Mr. Rex D'Souza

**Treasurer:** Mr. Manas Tiwari

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### **Event 1: Thrill-o-Thon 2.0**

Date: 24<sup>th</sup> July 2024

Time: 10.00 am – 02.00 pm

Venue: Auditorium, R.A. Podar College of Commerce and Economics, Matunga

Thrill-o-Thon 2.0 was a celebration of the vibrant and captivating side of Mathematics. This initiative was crafted in 2023 to help dismantle the common perception of Maths as a dull and lifeless subject, thereby aligning with the grand vision of MATHEMATRIX. Thrill-o-Thon was composed of 12 games like shoot the cup, flip the bottle, draw mathematical symbols blindfolded, roll the bottle and face the challenge it lands upon—each infused with Maths quizzes and overflowing with hearty rewards.

The laughter and camaraderie of students filled the air, as they competed and collaborated in this joyous, intellectual adventure. The students from our college were the heartbeat of Thrill-o-Thon 2.0, making it a MATHEMATRIX INTRA, where our community came together to revel in the joy of learning. Through this event, we proved that mathematics is not just a subject, but a thrilling journey, waiting to be explored and embraced.



## Event 2: Math Visionaries

Date: 29<sup>th</sup> July 2024

Time: 12.00 am – 04.00 pm

Venue: F2, R.A. Podar College of Commerce and Economics, Matunga

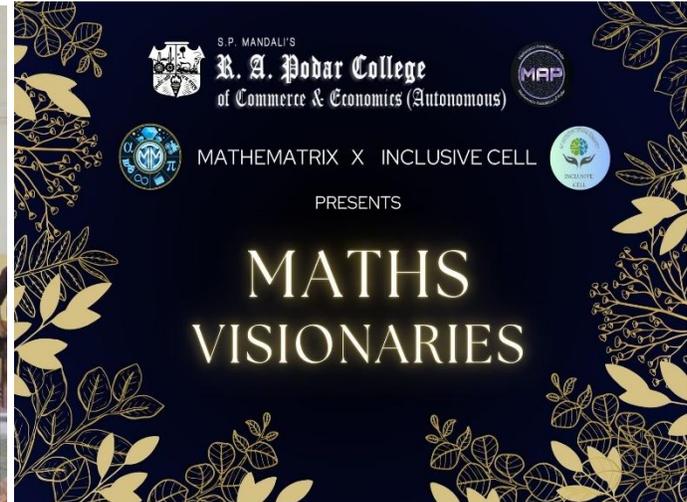
The Math Visionaries event stands as a groundbreaking initiative, illuminating the path for visually impaired students to delve into the wonders of mathematics. As an integral part of the MATHEMATRIX event, this event breaks down barriers, showcasing the adaptability of mathematical concepts through innovative and accessible activities, all in collaboration with the Inclusive Cell of our college.

Over 20 participants from the blind community, accompanied by some of their guardians, joined us in this enriching experience. Two captivating events were the highlights:

1. Tennis balls were dropped into a cloth twice, and participants had to guess the number of balls. Following their guesses, the MATHEMATRIX team presented an arithmetic equation, and those with the correct answer emerged victorious.

2. A treasure hunt unfolded within the college premises, with hints inscribed in Braille by Mr. Rupesh, a visually impaired student from our college studying in B.Com. Each participant received these hints, was briefed about the college layout, and was accompanied by a volunteer, ensuring a seamless experience.

The feedback was overwhelmingly positive, with participants urging us to make this an annual tradition. This event exemplified the power of inclusion and the boundless potential of the human spirit.



### Event 3: Empower with Education (Goregaon)

Date: 3<sup>rd</sup> August 2024

Time: 08.00 am – 04.00 pm

Venue: A.B. Goregaonkar School, Goregaon

The reach of MATHEMATRIX goes above and beyond just the events. We make it our responsibility to reach out to those in need by undertaking various activities. With the advent of the year 2024, we brought to you Empower with Education- an initiative by the Mathematics Association of Podar to spread mathematical literacy amongst the young through means that are not readily available in their curriculum. Along with having an interactive and fun-filled seminar to spark the curiosity for mathematics, we will also be distributing our very own MATHEMATRIX Workbook '24 edition, so that the students have a souvenir of interesting activities and puzzles to keep their brains busy all year round. A team of over 30 students from our college travelled to the school and distributed over 500 workbooks, made from scratch by our team, both in English and Marathi to promote inclusivity and promote our cultural front.



## Event 4: MATHEMATRIX

Date: 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> August 2024

Time: 08.00 am – 06.00 pm

Venue: R.A. Podar College of Commerce and Economics, Matunga

Launched in 2013, the Mathematics Association of Podar's spectacular festival, MATHEMATRIX, has emerged as a State Level Festival, celebrated for its grandeur and purpose. On a mission to transform the perception of math from mundane to mesmerizing, MATHEMATRIX enchants students with its electrifying events and breathtaking exhibitions.

MATHEMATRIX is the moment students eagerly anticipate, a carnival of numbers where intellect takes centre stage. Beyond the fun and frolic, it's a crucible where students forge their managerial prowess and test their decision-making agility.

This is not merely an event; it's a spirited celebration of mathematical beauty, a festival that turns math into an exhilarating adventure. MATHEMATRIX ignites the flames of curiosity and passion, proving that mathematics is not just a subject, but a thrilling journey waiting to be explored.

For the 12<sup>th</sup> Edition of MATHEMATRIX, we had organised 7 main events and 5 pre-events. We observed a participation of over **865 students**, out of which 288 were college students and 577 were school students from all around the state.

**Chief Guest:** Mr. Lopesh Maru

Theme: Every year, MATHEMATRIX unveils a fresh and captivating theme, and this year's enchantment is titled: **Numeria: A New Play**.

In a fantastical realm where numbers wield extraordinary power, a mythical crystal shatters into seven shards, scattering across the mystical Nostalgia Land. Enter the brave and brilliant Matheletes, summoned to retrieve these fragments by conquering intricate math puzzles woven into nostalgic tales. Each shard is guarded by cherished characters and iconic scenarios, blending education with a thrilling sense of adventure.

The Matheletes' quest is to reassemble the crystal, restoring its magic and earning their place as masters of mathematical enchantment. This grand adventure seamlessly merges the allure of storytelling with the elegance of mathematics, promising an unforgettable journey for all who dare to embark on it.

Link to the brochure: <https://rb.gy/j6upf6>

**Events:** This year, we organised 7 main events and 5 pre-events. All of them were based on the theme and were parts of a storyline. As the level intensified, the Mathletes got closer to re-joining the seven shards of the mighty jewel.

**Pre-Events:** Mathdoku, Solve to Survive, Calculative Carnival, Mathematwist and Pi-Casso Palette

**Core Events:**

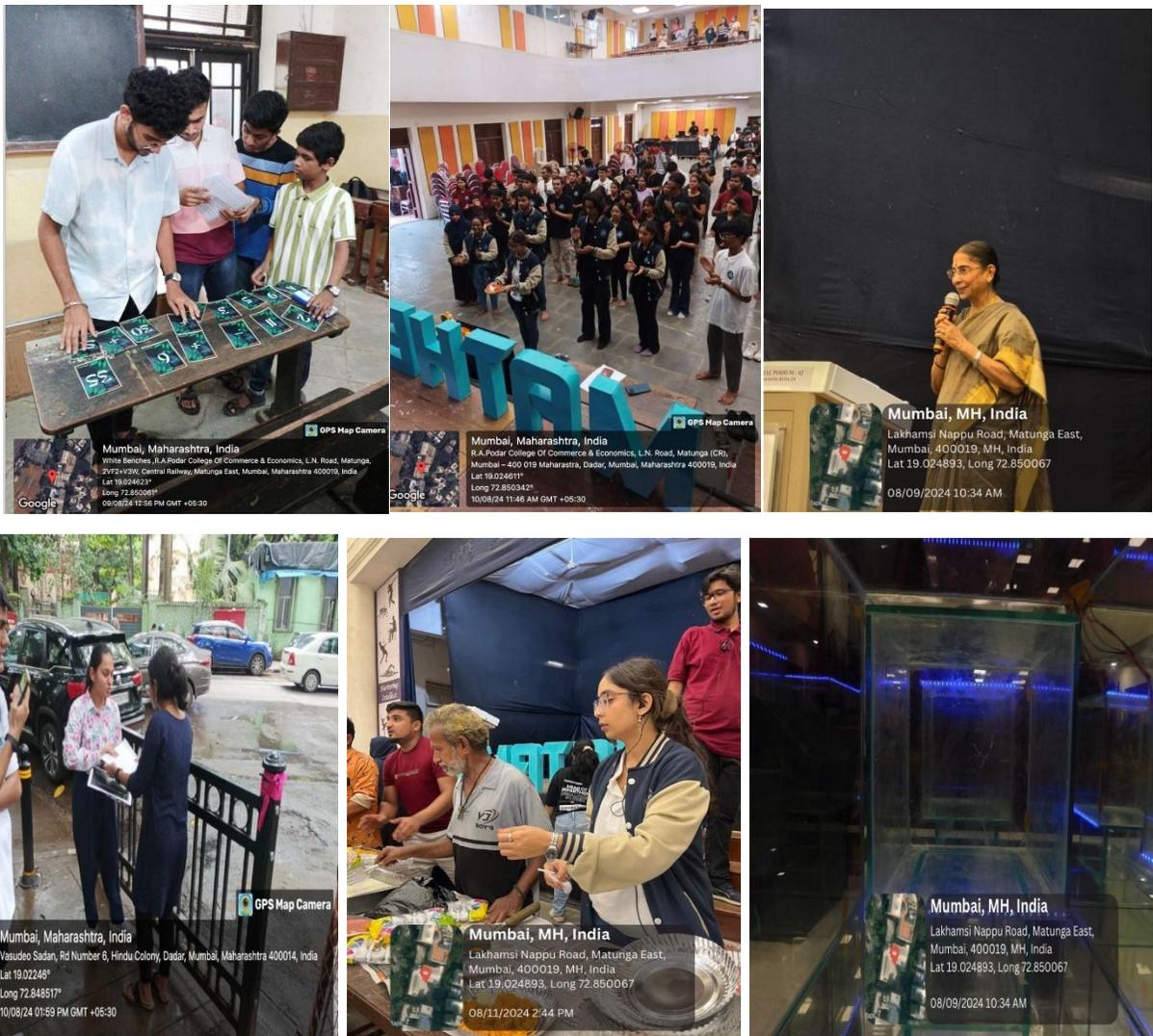
1. Flagship Event: Jumanji Gemscape
2. Large-Cap Event: Detective Derivatives/ Season's Scandal
3. Large-Cap Event: Takeshi's Hustle
4. Mid-Cap Event: Wreck a Deck
5. Mid-Cap Event: Kurukshetra Quest
6. Small-Cap Event: Excel-erator
7. Small-Cap Event: Quiz-Whiz Guru

**Exhibitions:** In 2013, MATHEMATRIX began with math exhibitions, and ever since then, all other events, themes, and social initiatives have followed. This year, to celebrate the 12th anniversary of MATHEMATRIX, the team crafted a remarkable tesseract from scratch. This tesseract, made entirely of pure glass and illuminated from within, created a stunning optical illusion. Displayed prominently in the auditorium throughout the duration of MATHEMATRIX, it captivated the audience with its mesmerizing beauty. Currently, the tesseract is housed in the G1 classroom of our college as a permanent exhibit, symbolizing the innovation and creativity of the event.

In addition to the tesseract, the team created 11 more objects for this year's exhibition. Some of these were optical illusions, while others served as informative math components, further enriching the experience for attendees.

The tesseract stands as a testament to the team's dedication and skill. Its intricate design and the use of glass to form its structure were no small feat. Each pane of glass was meticulously cut and assembled, with lights strategically placed to enhance the optical illusion. The resulting effect was a multi-dimensional display that seemingly extended into infinity, drawing viewers into its complex geometry and sparking curiosity about the mathematical concepts it represented.

The tesseract is more than just a visual spectacle; it embodies the spirit of MATHEMATRIX, where art meets mathematics, and creativity meets intellect. It's a reminder of the endless possibilities that arise when passionate individuals come together to explore and celebrate the wonders of mathematics.



### Event 5: Empower with Education (Barhanpur)

Date: 28<sup>th</sup> September 2024

Time: 08.00 am – 08.00 pm

Venue: 11 schools of Barhanpur, our adopted village

Following our successful visit to A.B. Goregaonkar School, Team MATHEMATRIX embarked on another inspiring journey to 11 schools in our adopted village of Barhanpur. This showcases how the reach of MATHEMATRIX transcends beyond mere events, as we take it upon ourselves to actively reach out to those in need through a variety of impactful activities. Two workbooks, one for Grade 1 & 2, another for Grades 3, 4 and 5 were made after careful research and ensuring the syllabus is inclusive, important and intense. This workbook serves as a memento filled with fascinating activities and puzzles to keep young minds occupied and curious throughout the year. We distributed over 550 workbooks, accompanied by

colourful crayon boxes, to the future visionaries. In Barhanpur's embrace, we found a deep connection. As we walked their streets, we discovered a shared humanity. We shared stories, laughs, and dreams, realizing our common bonds. In their eyes, we saw our own reflections, a powerful realization. Though miles apart, our spirits align, united by our common humanity.



# MATHEMATRIX 2024 WORKBOOKS

This year, we are proud to unveil our diverse range of workbooks, thoughtfully designed to cater to the educational needs of students across different stages:

1. **College Students:** For the scholars stepping into their Junior and Senior College years, our workbooks provide a comprehensive curriculum that ensures a robust academic foundation. Total books printed: 150. Link to the workbook: <https://rb.gy/oirwnr>
2. **Rural Students (Grades 1 & 2):** Understanding the unique challenges faced by young learners in rural areas, we have crafted interactive workbooks brimming with activities and stickers. These are available in both English and Marathi, celebrating inclusivity and our cultural heritage. Total books printed: 320. Link to the workbook: <https://rb.gy/y5agwn>
3. **Rural Students (Grades 3, 4 & 5):** Similar to our younger grades, these workbooks feature engaging content in both languages and span about 100 pages each, offering an enriched learning experience for older rural students. Total books printed: 400. Link to the workbook: <https://rb.gy/9i4fqx>

But that is not all! We also published informative comic books that dive into intriguing historical insights. Comic books were published at MATHEMATRIX for the first time in our college. They had two chapters as follows:

- **Aryabhata's Eureka:** the captivating story of Aryabhata's Eureka moment which led to the discovery of the number "zero".
- **Robert's Equality:** the significance and discovery of the "equal-to" sign, a milestone in mathematical history.

**Link to the comic book:** <https://rb.gy/6w2roi>

Total comic books printed: 100

With MATHEMATRIX 2024 Workbooks and Comic book, learning becomes an exciting adventure, reaching students far and wide, ensuring every child has access to quality education.



**List of Colleges that participated in MATHEMATRIX 2024:**

H.R. College of Commerce and Economics
L.S. Raheja College of Arts and Commerce
V.G Vaze College of Arts, Science and Commerce
N.L. Dalmia College of Arts, Science and Commerce
SVKM's Narsee Monjee College of Commerce and Economics
K.C. College of Arts, Commerce and Science
Vidyavardhini's College of Engineering and Technology
Lala Lajpat Rai College of Commerce and Economics
Sophia College for Women
V.P.M's R. Z. Shah College of Arts, Science and Commerce

St. Andrew's College of Arts, Science and Commerce
K.J. Somaiya College of Science and Commerce

**List of Schools that participated in MATHEMATRIX 2024:**

Children's Academy, Thakur Complex
Children's Academy, Ashok Nagar
Suffah English School
VPMS Orion School (CISCE)
I E S Digambar Patkar Vidyalaya Dadar East
Lokmanya Tilak English High School
CES's Michael High School
S.P.M English School, Pune
Ies Modern English School, Dadar( W )
Balmohan Vidyamandir (English medium)
Sadhana Vidyalaya
Children's Academy, Thane
Sundatta High School (English Medium)
S.I.W.S High School, Wadala
Lion M.P. Bhuta Sion Saravajanik High School
St. Joseph's High School, Wadala
Don Bosco High School
Holy Prophet English High School
Gloria Convent High School
A.M. Kewalramani Premier High School
Auxilium Convent High school

Udayachal High School