

The Mathematics Society

Annual Report for the last Academic Year, April 2023 - March 2024: Society Activity Report 2023-24



The beauty of mathematics lies in its universal language, and this year our society spoke volumes through our activities and achievements. From abstract theories to real-world applications, the Mathematics Society has navigated another successful year of academic pursuits. This annual report for the academic year 2023-24 encapsulates a year of mathematical exploration, collaboration, and growth within our college community.

In the odd semester we had 5 events:

Bezerka:

It was a quiz competition with Asia Cup as the theme. The event had showed up 500+ registrations, and participants were allowed to take part as a team and as a lone wolf. The participants had to solve cricket-themed questions with the preliminary round, offline screening, face-off, and the final round. The event brought out the fun side of the subject testing the logical skills of the participants.

Event -X:

The Event X- the Celestial Quest was an exhilarating 2-day event that brought together students from various disciplines and colleges. The participants were tested for their acumen and problem-solving skills with a mind-boggling puzzle, and solving cryptic clues, leading

them to hidden treasures. The hunt not only tested their problem-solving skills but also encouraged teamwork and collaboration.

Alumni Talk Sessions:

We had a series of alumni talks - "Conversations: Math & Beyond" with the alumni who had graduated in the last five years. They shared their experiences in pursuing mathematics for research within the country and abroad. Under the 3rd session, we hosted our alumni Mr. Karthikeya Jaiswal who did his graduation in mathematics and cracked UPSC C.S.E 2021 with AIR 35 with mathematics as his optional. He shared his valuable insights about this examination. The talk was followed by a very enthusiastic Q&A round where our audience bombarded the speaker with their questions.

Professor Nagpaul Fellowship:

The Professor Nagpaul Fellowship is a collaboration between a group of students and a teacher where they work together to produce a research paper on a topic in Mathematics. It is one of the prestigious fellowships in college and has over the years nurtured budding researchers in the college. In the academic year 2023-24 we had 26 fellows from second and third years under the mentorship of 6 professors from the Department of Mathematics. It not only provides mathematically motivated students an opportunity to develop an interest in research but also provides students who are just intrigued by the subject a chance to nurture their interest.

Movie Screening:

A movie screening of 'The Imitation Game' was also conducted towards the end of the odd semester, which attracted students from all departments alike.

In the even semester we had 4 events:

MathSoc Open Competition:

The event marked a momentous occasion in the realm of mathematics and cubing enthusiasts. In collaboration with the World Cubing Association, this national level event garnered immense excitement and participation from across the country. The event, organized independently rather than under the umbrella of a larger fest, underscored its significance in the community. MathSoc Open served

as a platform for fostering camaraderie, pushing boundaries, and celebrating the spirit of cubing excellence in 2×2 , 3×3 , 4×4 , 5×5 , pyraminx, megaminx, skewb, blindfold Rubik's Cube solving puzzles.

Annual Fest: Integration:

The annual fest of the mathematics society, was a 4-day event, with 6 mathematical events- The Inaugural Lecture: 'The Future of Math Education: Equity, Engagement and Empowerment', Route Out: Escape Room, Paper Presentation, Guesstimate, Shak-I-Mat, and Integration Bee. The fest transformed the campus into a playground of puzzles, proofs, and mathematical marvels, showcasing the creative power of analytical thinking through insightful presentations and blitz chess tournaments.

Student Training Programme on Data Analytics:

The Student Training Programme on Data Analytics was organised by The Computer Science Society in collaboration with The Mathematics Society. It was conducted in online mode through Google Meet. Sessions were taken by various eminent speakers on R, Excel, and Python. The motive of the programme was to familiarise students with various programming tools so that they can gain practical proficiency in data manipulation, visualization, and statistical analysis.

Pi-o-mania Quiz Competition:

Pi-o-mania, was an engaging academic quiz held on Pi Day 2024, challenging participants' mathematical knowledge through two rounds. The first tested aptitude across various math topics, followed by the main quizzing round.