

Mathemagica: Where Numbers Comes Alive

On 24th December 2024, the Department of Physical Science (Mathematics), Faculty of Sciences, organized an engaging and educational event titled *Mathemagica: Where Numbers Come Alive*, to celebrate the birth anniversary of renowned mathematicians. The event aimed to make mathematics accessible, interesting, and fun for the students and faculty members, bridging the gap between theoretical knowledge and real-world applications. Dr. Vinod Bhatia, convener of the event, and Prof. Pooja Budhiraja, co-convener, worked diligently to bring together 30 participants, including students, faculty, and math enthusiasts.



The event was graced by the presence of Prof. Ravi Rana, a distinguished mathematician, who delivered a fascinating lecture on the beauty and relevance of mathematics in various fields. Prof. Rana took the participants on an interactive journey, demonstrating how numbers are not just abstract concepts but live entities that govern the natural world. Through hands-on activities, problem-solving sessions, and visual demonstrations, the speaker illuminated complex mathematical ideas in simple yet impactful ways. The session also showcased the powerful role of mathematics in technology, engineering, and even in everyday life, making it clear that math is the backbone of modern civilization.

The event featured several exciting segments, including mathematical puzzles, challenges, and games that encouraged participants to engage with the subject in a creative and enjoyable manner. This initiative sought to inspire students to pursue careers in mathematics and its related

disciplines, while also nurturing a deeper appreciation for the subject. The event *Mathemagica: Where Numbers Come Alive* highlighted the crucial role mathematics plays in shaping the world around us. It not only helped demystify mathematics for students but also encouraged them to see its real-world applications. In a society increasingly driven by data, technology, and scientific progress, fostering a strong understanding of mathematics is imperative for future innovation. The event emphasized how mathematical literacy is key to addressing global challenges, particularly in fields like sustainable development, health, and environmental conservation.



This aligns closely with the United Nations Sustainable Development Goal (SDG) 4: Quality Education, which calls for inclusive, equitable, and quality education for all. By making mathematics more engaging and accessible, the event contributed to promoting lifelong learning opportunities for all, particularly in the field of science, technology, engineering, and mathematics (STEM). Additionally, SDG 9: Industry, Innovation, and Infrastructure is supported

through the development of mathematical skills, which are essential in building resilient infrastructure, fostering innovation, and advancing technological progress. The event saw active participation from 30 students and faculty members, who engaged with the subject of mathematics in a dynamic and enjoyable manner. Participants not only learned about the practical applications of mathematics but were also encouraged to think critically, solve problems, and view math as an integral part of their academic and professional journeys. The event sparked discussions on the significance of mathematics in solving real-world problems, fostering a renewed interest in the subject and inspiring students to explore new avenues within the field.



Mathemagica: Where Numbers Come Alive was a successful event that brought mathematics to life in a way that was both informative and entertaining. Through an engaging lecture, interactive sessions, and hands-on activities, the event fostered a deeper understanding and appreciation of mathematics among the participants. By highlighting the role of mathematics in innovation and development, Baba Mastnath University continues to promote the importance of quality education in mathematics and its vital role in driving sustainable progress. The event not only

enriched the participants' knowledge but also reinforced the university's commitment to contributing to the achievement of the United Nations Sustainable Development Goals.