

## INFINITY ARENA EVENT REPORT

**Event Name:** Infinity Arena

**Date:** 5th November 2024

**Venue:** Computer Centre, Admin Block, Guru Tegh Bahadur Institute of Technology

**Registrations:** 45+

### INTRODUCTION TO THE EVENT:

On 5th November, the Mathematics Society of GTBIT, **Infinity**, presented **Infinity Arena**, an exciting event that invited students to explore the lighter, more enjoyable side of Mathematics. This interactive session aimed to promote the society while demonstrating that math can be fun, engaging, and approachable—encouraging a fresh perspective on mathematical concepts and problem-solving.



## **DIVINE CIRCLE: Shabad Recital**

The divinity society of the institute, the ~~Divine Circle~~ <sup>Divine Circle</sup> took the thoughtful step of invoking God's blessings and ensure a spiritually uplifting atmosphere through their soul Shabad Recital. The recital created an elevated atmosphere imbued with divine grace and guidance, fostering a sense of peace and tranquillity. This serene start helped calm nerves and set a positive, harmonious tone for the event. By connecting with the divine, we were able to begin the event with renewed energy, positivity and a sense of protection and gratitude.



**Shabad Recital by Divine Circle**



**“S Amarjeet Singh Ji, chairperson GTBIT graced the occasion with his presence and blessed child prodigy Kritin Gupta.”**

## INAUGURATION:

After seeking the blessings of God with the satsang, we were honored to welcome our esteemed teachers, faculty and staff members and Director Ma'am by felicitating them with lush green saplings. We were honored to be joined by:

Dr. Rominder Kaur Randhawa (Director, GTBIT)

Dr Simmi Singh (Head Exam Cell, GTBIT)

Dr. Parsan Kaur (HoD Applied Science Department, GTBIT)

Dr. Seema Singh (Convenor-The Finishing School & The Literary Society, GTBIT)

Also present on the occasion were our Mentors, our guiding lights who supported us throughout with their wisdom and encouragement.

Dr. P.P.Vermani (Advisor, INFINITY-GTBIT)

Ms. Harpreet Kaur (Convener, INFINITY-GTBIT)

Dr. Manjeet Kaur (Convener, INFINITY-GTBIT)

The Director addressed the gathering and expressed her delight at the formation of the society. She offered her support and blessings to the students and the faculty and praised their efforts. The event kicked off with the talk show of the child prodigy, Kritin Gupta.





### **CHILD PRODIGY: KRITIN GUPTA**

Kritin Gupta, a child prodigy from Delhi, India, has astounded the world with his exceptional mathematical brilliance at the tender age of just 6. Numerous prestigious mathematics competitions have been won by Kritin, and his name has been made known as a young

mathematical genius. His passion for numbers and problem-solving has been showcased, demonstrating an intellect far beyond his years.

On the day of the event, the audience was captivated as Kritin led us into the session with a talk show that piqued our interest in mathematics. Curiosity was sparked by his engaging presentation and impressive skills, leaving everyone in awe. The talent and enthusiasm of Kritin served as an inspiring reminder of how mathematics can be both fun and fascinating, no matter one's age.





### **OFFICIAL COMPETITION:**

With all the festivities, welcomes and addresses completed, we were excited to bring in the competitive spirit of the joining students who were ready with their brilliance to work on winning the competitive rounds towards the final prizes.



## ROUND 1: Logical Reasoning & Basic Math

The first round of the competition was a high-energy, intense test of logical reasoning and basic math skills, where quick thinking and precision were crucial. Participants, both teams and individuals, were faced with a series of questions that tested their problem-solving abilities across fundamental mathematical concepts and logical puzzles. However, the true challenge lay not only in answering correctly but in answering with speed. Time was the major factor, as each second counted toward the final score. Competitors had to stay sharp and maintain focus, quickly processing questions to secure the highest possible score within the limited time frame. Those who excelled at rapid calculation and critical thinking gained an edge, while those who lagged risked elimination. This round demanded a combination of knowledge, strategy, and time management, creating an exciting, fast-paced atmosphere where only the quickest and most accurate would advance to the next stage.

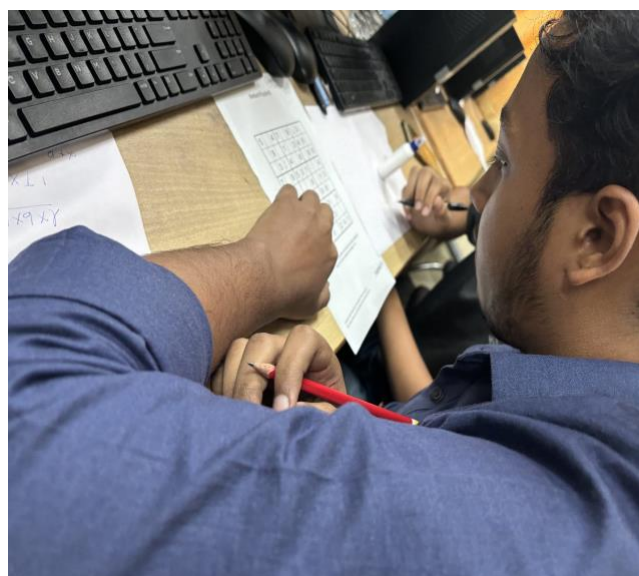
The round was a fruitful one, as among the 20 participating teams, only the top 9 remained who moved onto the next round.

## ROUND 2: Sudoku Showdown

The second round of the competition brought an exhilarating test of both accuracy and speed as teams faced off in a timed Sudoku challenge. Participants had to solve complex Sudoku puzzles with precision, knowing that even a single mistake could be costly. This round demanded quick thinking and excellent concentration, as only the top five teams who completed their puzzles accurately in the shortest time would advance to the next stage. With each team racing against the clock, the atmosphere was charged with anticipation as participants strove to be among the fastest and most accurate.

To add an extra layer of excitement and fun, two teachers from our Mathematics Department were invited to join in the challenge. These experienced mentors were given particularly difficult Sudoku puzzles, putting their skills to the test in front of a captivated audience. Their competitive spirit and engagement with the puzzles added a lively and entertaining dimension to the event, showcasing that even seasoned mathematicians enjoy the thrill of a good challenge. This interactive segment delighted students, creating an enjoyable and memorable experience that celebrated both skill and camaraderie.

This round gave us the final teams, who had their show-off in the last and most exciting round of them all.



### ROUND 3: Brain Teasers, Puzzles, & Riddles

The third round, titled \*Brain Teasers, Puzzles, & Riddles\*, was an electrifying test of quick thinking, knowledge, and reflexes. In this round, each question was displayed on the screen, and the first team to raise their hand was given the chance to answer. However, there was a high-stakes twist—if a team answered incorrectly, they were eliminated from that particular question, missing their chance to score and having to wait until the next question to participate again. Adding to the excitement was a unique marking scheme designed to reward accuracy and risk-taking. Points increased with each question, making later questions worth more than earlier ones: question one awarded 1 point, question two awarded 2 points, and so on, with the final question worth a remarkable 7 points. This progressive scoring system kept the competition intense, as teams strategized to earn maximum points and avoid elimination, aiming for the highest score to move forward.

### WINNERS AND FELICITATION:

The final round of the competition was an exhilarating culmination of all the wit, skill, and perseverance our participants had demonstrated throughout the day. After an intense and challenging series of rounds, we were finally able to crown our math wizards—those who had showcased not only intelligence but also remarkable focus and composure under pressure. As the winners were announced, the audience burst into applause, celebrating their outstanding achievements and hard work.

The **third place** went to, the team **PI PALS**, with members, **Rajendra (2nd year, IT)& Satyam Jha (2nd year, CSE)**, the **second place** went to participant, **Gaurav (3rd year, IT)**, while the most coveted **first place** went to, team **EXPERTS**, with members, **Swayam (1st year, IT)& Shivansh (1st year, IT)**.

The felicitation ceremony was a moment of joy and pride, adding a graceful, celebratory touch to the event. Our esteemed Director, Dr. Rominder Kaur Randhawa, and Dr. P.P. Vermani stood ready to honor the winners. With warm smiles and encouraging words, they presented each victor with a certificate and memento as a token of recognition and appreciation.







### **CLOSING CEREMONY:**

The closing ceremony was a heartfelt conclusion to a memorable event, marked by a warm thank-you speech to all those who contributed to its success. First of all special thanks were given to the college management for their financial support and encouragement. We also expressed deep gratitude to our respected Director, Dr Rominder Kaur Randhawa and Dr P.P.Vermani, whose encouragement and presence elevated the occasion. whose coordination and efforts ensured the event's smooth organization and execution.

Special appreciation was extended to our teacher in-charges, Ms.Harpreet Kaur and Dr Manjeet Kaur, whose guidance and support were invaluable throughout the event. Lastly, a big thank you was extended to the entire team—those working tirelessly on-site and those managing operations behind the scenes.



Their dedication and hard work brought the vision of this event to life, creating a truly inspiring celebration of mathematics and camaraderie.