



## ACTIVITIES 2025-26

**Activity:** Workshop on Vedic Mathematics (Fun with Numbers)

**Date:** October 5, 2025

**Objective:**

To make mathematics fun and engaging.

To teach shortcut techniques for quicker problem-solving.

To build confidence in solving mathematical problems.

To reduce the fear of numbers among students.

**Description:**

A **Vedic Mathematics Workshop** was conducted at **Balika Ashram Mashobra**, by mathematics students of final year to introduce students to faster and easier methods of solving mathematical problems using ancient Indian techniques. The main aim was to make mathematics enjoyable and to help students improve their calculation speed and accuracy.

Topics Covered: The workshop focused on three interesting and useful topics from Vedic Mathematics:

1. Multiplication of 2-Digit Numbers (Vertically and Crosswise Method)
2. Squares of 3-Digit Numbers Close to a Base (like 100, 200)
3. Squaring Numbers Ending in 5

The workshop was conducted for 3 Hours.

**Outcome:**

The students of **Balika Ashram Mashobra** enjoyed the workshop thoroughly and participated with great enthusiasm. They found the Vedic methods easier, quicker, and fun to use. Many students expressed their interest in learning more such techniques in future sessions. Moreover it helped students build confidence in mathematics and introduced them to new and exciting ways of problem-solving. Workshops like these are a great step toward making learning more joyful and effective.



*Department of Mathematics*  
*St. Bede's College, Shimla*



*Fun with Numbers*

**Activity:** Workshop on “Mathematics Beyond Numbers: A Journey through Vedic Methods”

**Date:** October 13- 17, 2025

**Objective:**

To introduce the students with the ancient principles of Vedic Mathematics.  
To develop faster, simpler, and more accurate computational skills using Vedic \*sutras\* and \*sub-sutras\*.

To enhance logical reasoning, mental ability, and problem-solving abilities among learners.  
To promote interest and confidence in mathematics through intuitive and enjoyable methods.  
To explore the connection between ancient wisdom and contemporary mathematical applications.

**Descriptions:** The 5 Day workshop on “Mathematics Beyond Numbers: A Journey through Vedic Methods” was organized by Department of Mathematics St. Bede’s College Shimla. The Resource persons were Prof. Tania Bose from PES University Bengaluru, Dr. RenuBala and Dr. Madhu Aneja from CUIET Chitkara University Punjab. The workshop was designed to introduce students to the fascinating world of Vedic Mathematics - a system that simplifies complex calculations while sharpening mental math skills. Each day highlighted on a specific concept, enabling participants to build their understanding gradually and practice techniques that enhanced their mathematical abilities.



*Department of Mathematics  
St. Bede's College, Shimla*

Topics such as algebraic product and division, line addition, multiplication from base method, tables up to 100, etc. were covered in the workshop.

Heritage Status  
**St. Bede's College**  
NAAC Re-Accredited A Grade

*Five Days Workshop*  
**Mathematics Beyond Numbers : A Journey Through Vedic Methods**  
Organised by  
Department Of Mathematics  
*Under the Aegis of IQAC*

13 Oct, 2025 - 17 Oct, 2025  
Seminar Room

**Resource Persons:**  
**Dr. Tania Bose**  
( Assoc. Prof. PES University , Bengaluru )  
**Dr. Renu Bala**  
( Assoc. Prof. Chitkara University , Punjab )  
**Dr. Madhu Aneja**  
( Asst. Prof. Chitkara University , Punjab )

### *Brochure*

#### **Day 1: October 13, 2025**

Dr. Tania Bose was the Resource person for the first day of the workshop. The session began with a brief introduction of Vedic mathematics its origin and history, uses and the contribution of various great Mathematicians of India in IKS.

Further she taught the students an easy way of solving problem related to algebraic multiplication and division. Students actively participation proved out day 1 to be very informative and engaging. It enhanced the students' knowledge and was truly enlightening for all the students.



*Department of Mathematics*  
*St. Bede's College, Shimla*



*Workshop on “Mathematics Beyond Numbers: A Journey through Vedic Methods”*



*Department of Mathematics  
St. Bede's College, Shimla*



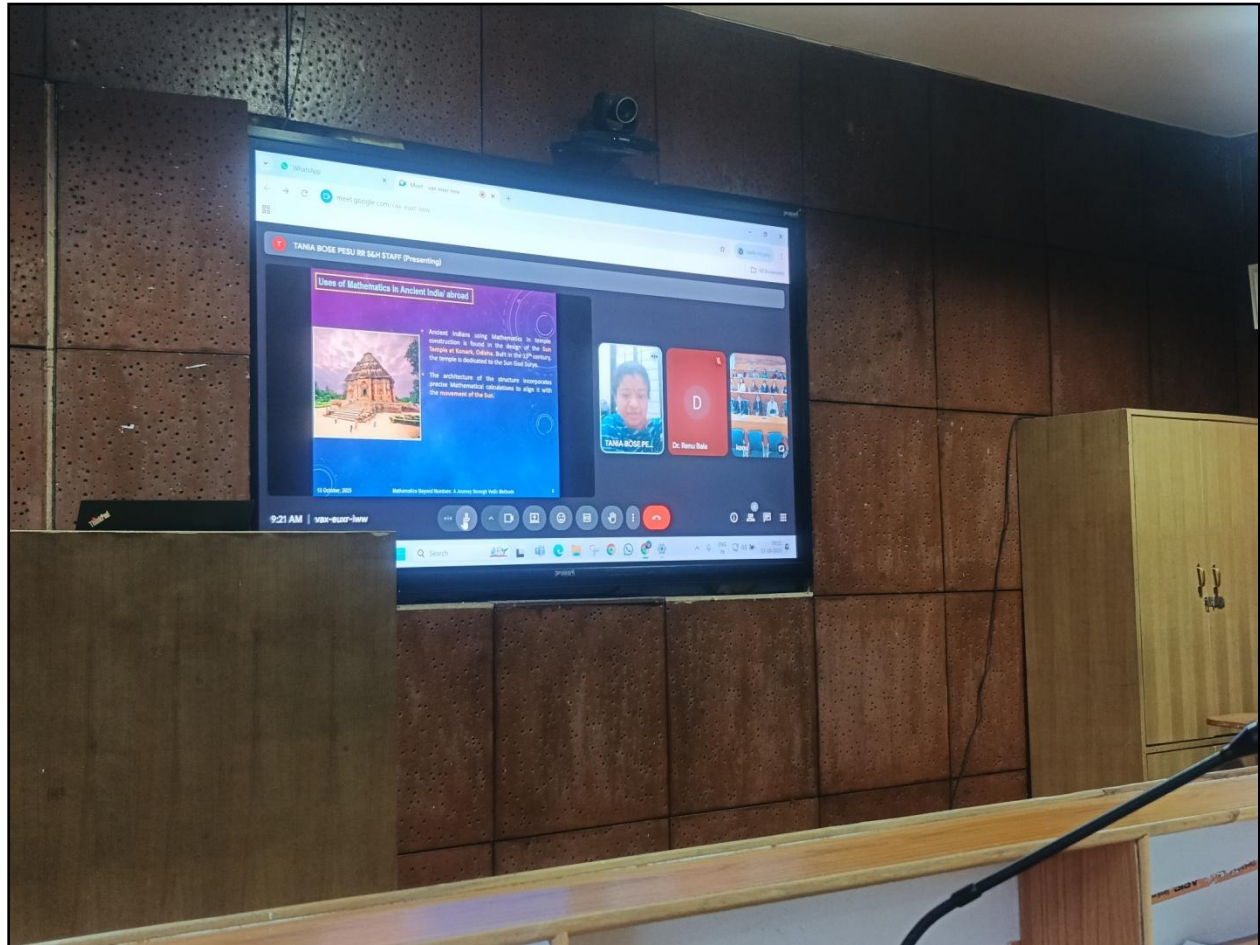
*Workshop on “Mathematics Beyond Numbers: A Journey through Vedic Methods”*



*Department of Mathematics  
St. Bede's College, Shimla*



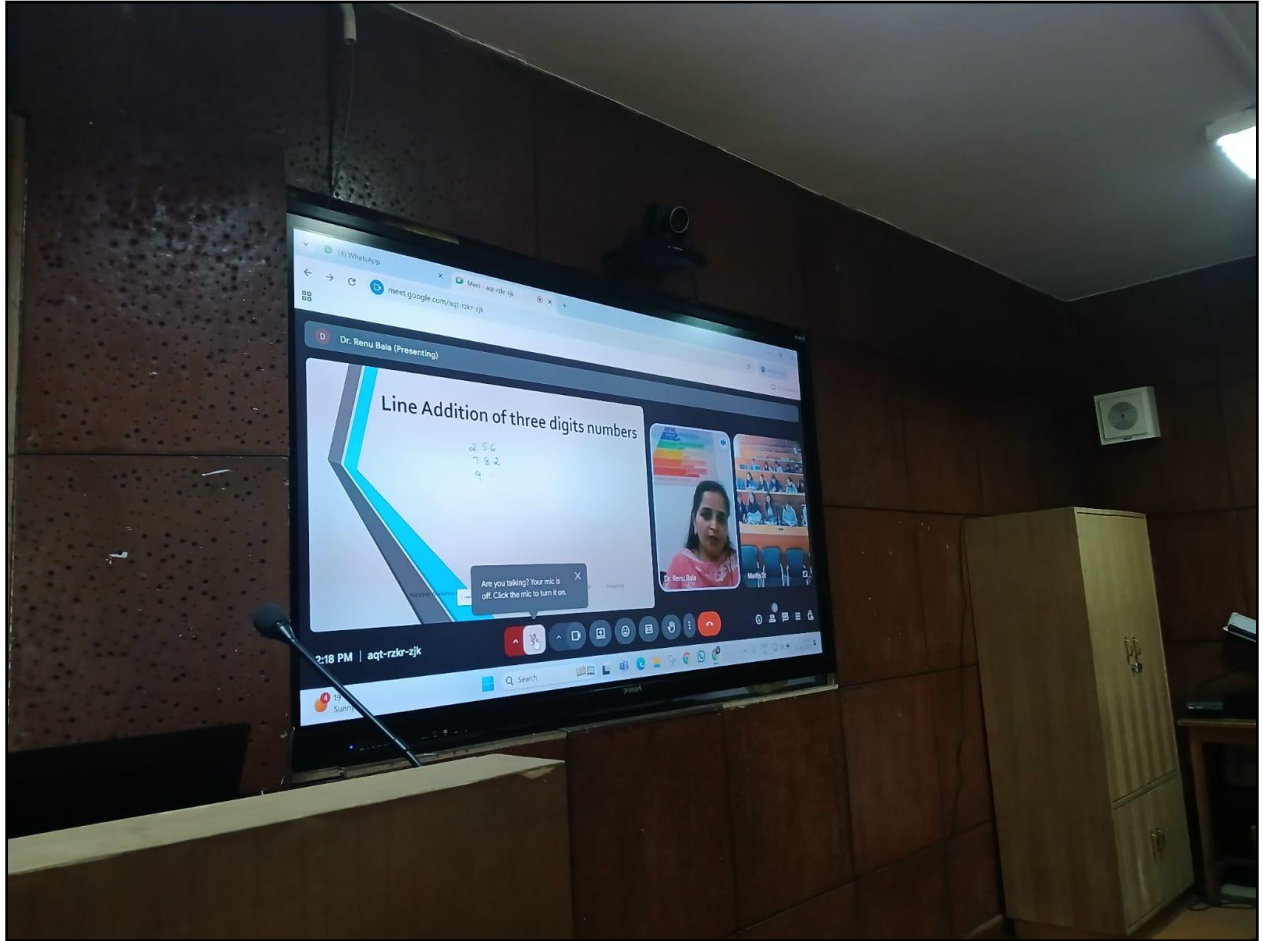
*Workshop on “Mathematics Beyond Numbers: A Journey through Vedic Methods”*



*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*

**Day 2: October 14, 2025**

The speaker for this session was Dr. Renu Bala. She taught the students about line addition of 1 digit, 2 digits and 3 digits. She also taught multiplication using base method. This method is helpful in solving complex multiplication easily.



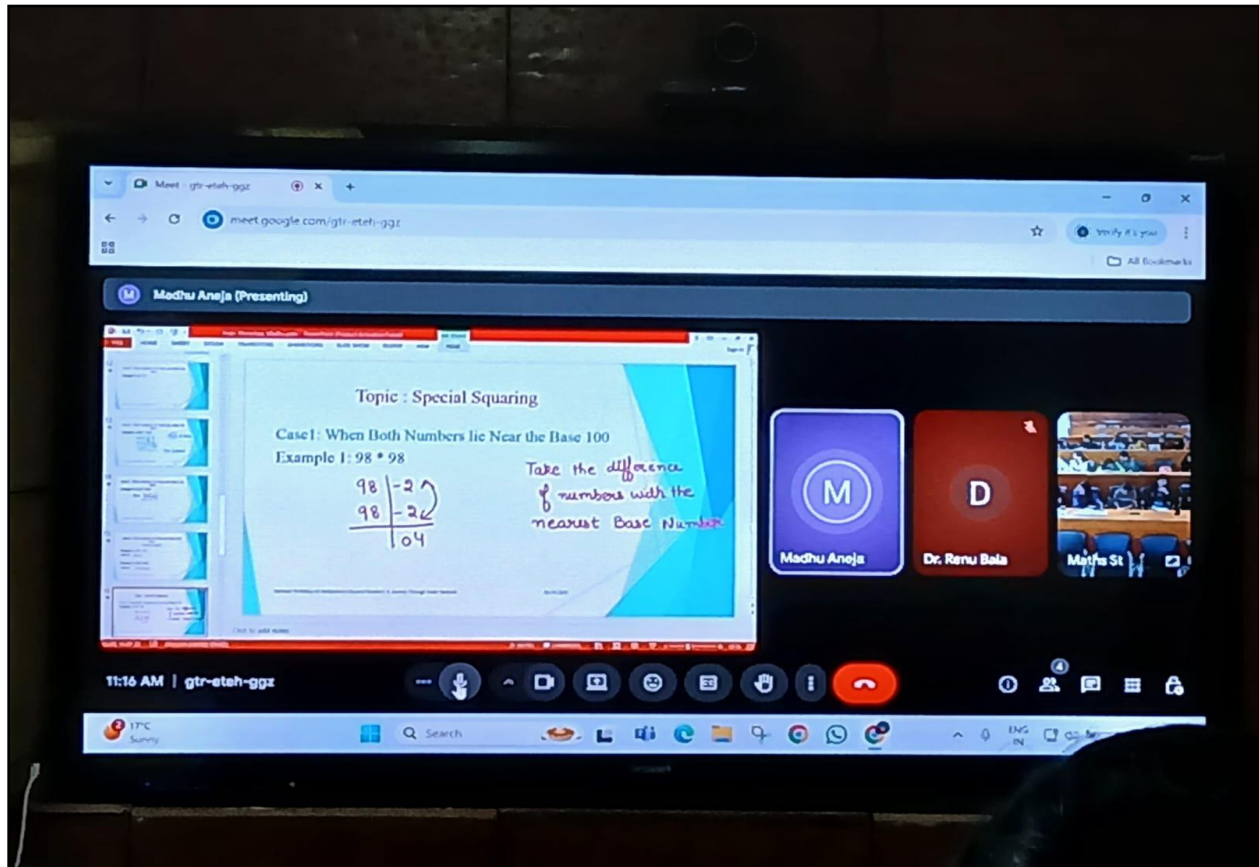
*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*

**Day 3: October 15, 2025**

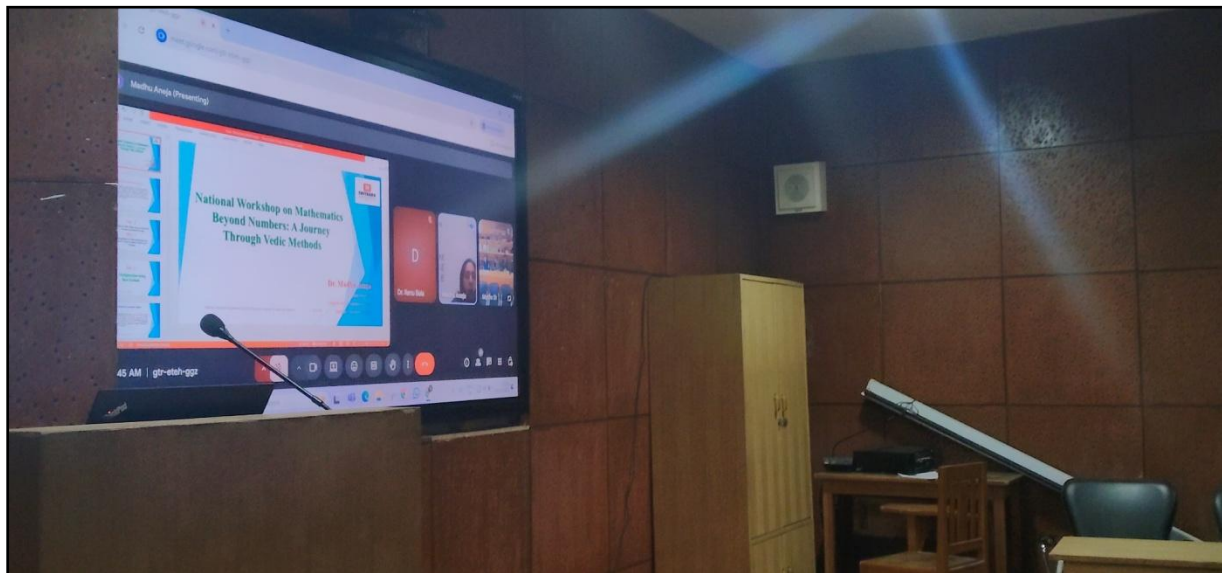
On the third day of the workshop, Dr. Madhu Aneja served as the resource person. She shared valuable techniques with the students on calculating squares of numbers ending with 5, as well as methods to quickly find squares of numbers between 40 and 60.



*Department of Mathematics  
St. Bede's College, Shimla*



*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*



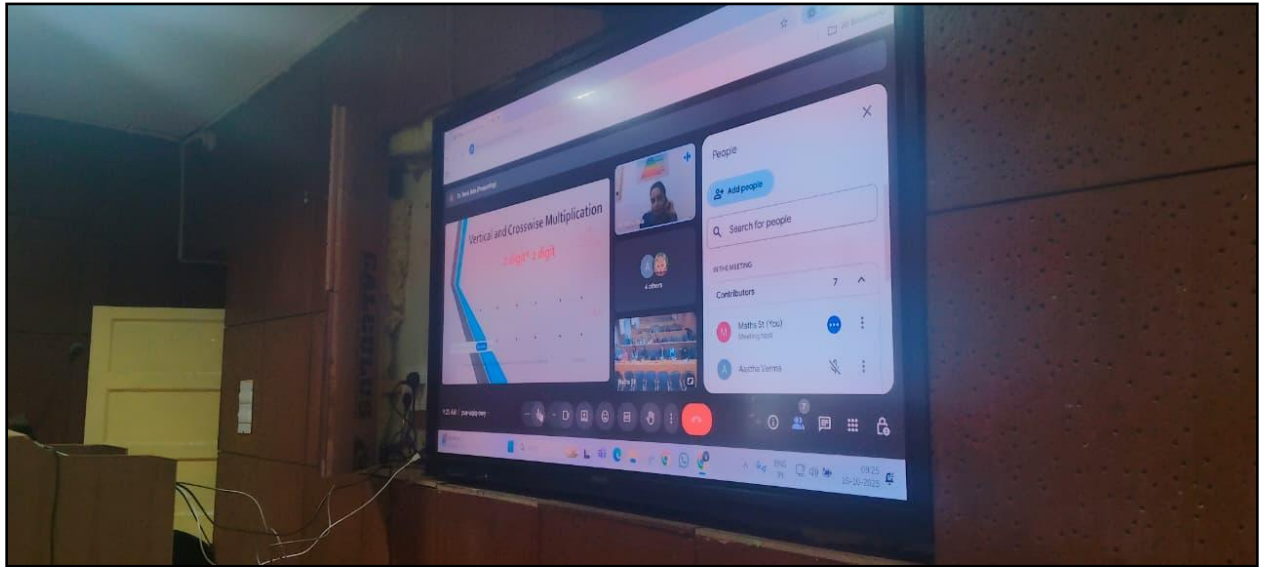
*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*



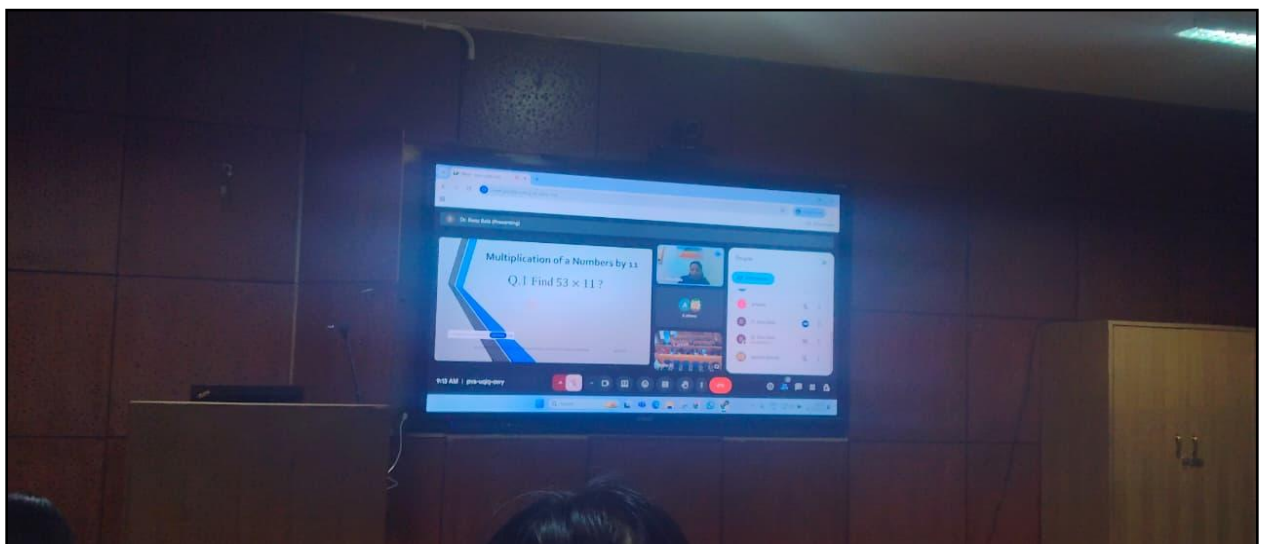
*Department of Mathematics  
St. Bede's College, Shimla*

**Day 4: October 16, 2025**

On the fourth day of the workshop, Dr. Renu Bala served as the resource person. She introduced the students to innovative multiplication techniques, including multiplying numbers by 11 and easy methods for multiplying 2, 3, 4, and 5-digit numbers. She also taught a simple and effective approach to learning multiplication tables up to 100.



*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*



*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*



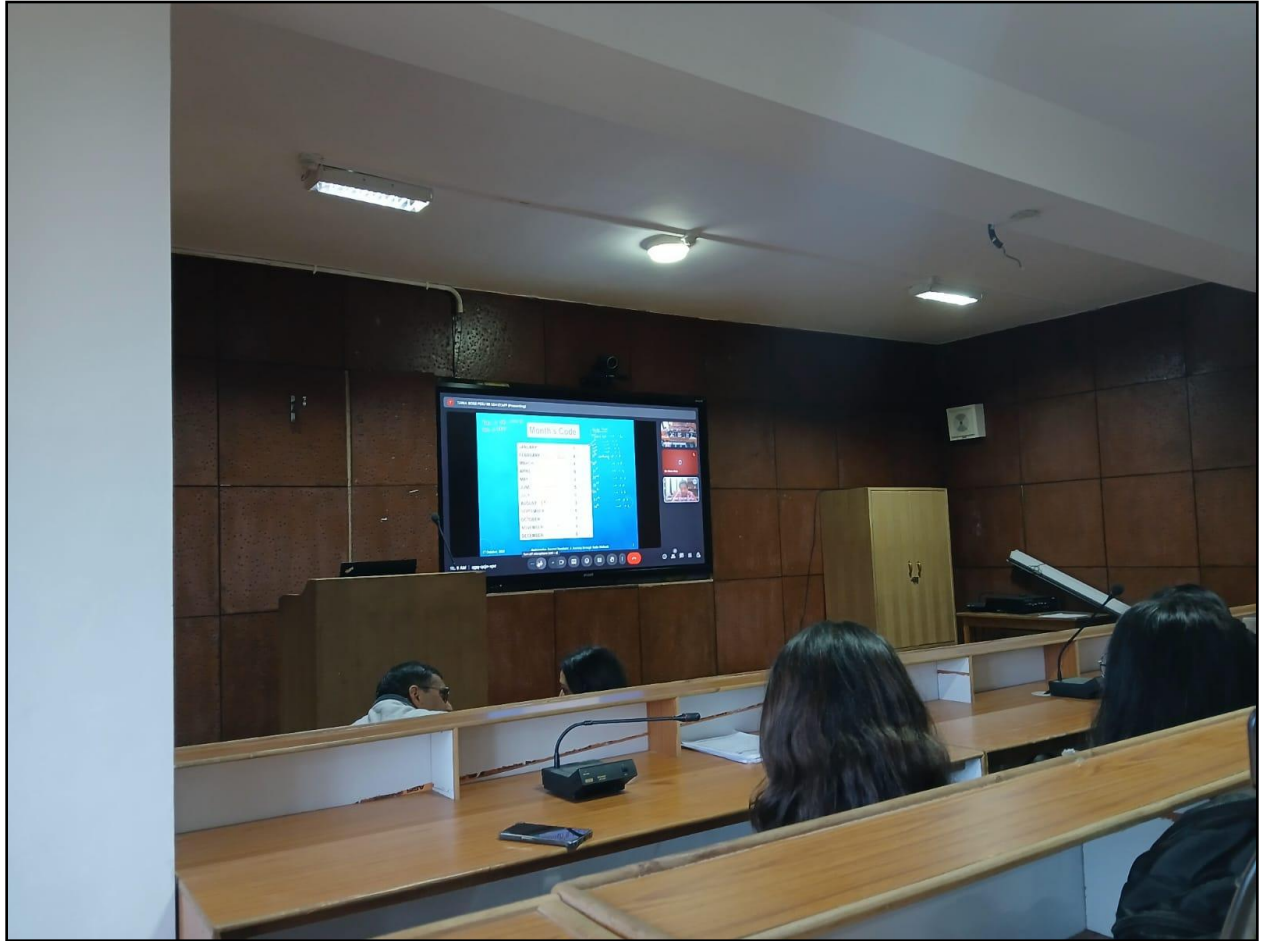
*Department of Mathematics*  
*St. Bede's College, Shimla*

**Day 5: October 17, 2025**

On the final day of the workshop, the resource person, Dr. Tania Bose, introduced the students to the concepts of partial fractions and the calendar method, providing them with new ways of thinking and problem-solving. The students thoroughly enjoyed the session, actively participating and responding enthusiastically to Dr. Bose's questions.



*Workshop on "Mathematics beyond Numbers: A Journey through Vedic Methods"*



*Workshop on “Mathematics beyond Numbers: A Journey through Vedic Methods”*

Overall, the five-day workshop was an interesting and enriching experience that inspired enthusiasm and curiosity among the students.

**Outcome:** The participants were able to enhance their calculation speed and accuracy by applying various Vedic techniques. They also learned to approach and solve complex mathematical problems using innovative methods derived from Vedic Mathematics. The workshop helped develop analytical and critical thinking skills through interactive exercises and discussions.

Additionally, participants gained the ability to apply Vedic Mathematics in everyday situations, thereby improving their overall mathematical literacy. The programme also boosted their confidence in mathematics, fostering a more positive attitude towards the subject in both academic and professional contexts. Moreover, the sessions enabled them to acquire a deeper



*Department of Mathematics*  
*St. Bede's College, Shimla*

understanding of the foundational principles of Vedic Mathematics and its historical significance.

**Activity: National Mathematics Day**

**Date: December 22, 2025**


**Objective:** To enhance students' critical thinking, logical reasoning, and problem-solving skills by promoting mathematical discovery and the effective use of software tools to explore and visualize concepts.

**Description:** The Mathematics Department of St. Bede's College organized a presentation on life and works of Ramanujan, a quiz, and a Video Making Competition (centred around the works in Mathematics) on December 22, 2025, to celebrate Ramanujan's birth anniversary. The quiz champions were Payal Mehta, Arushi, and Shraddha Thakur, while the runner-up position was secured by Aditi Sharma, Aastha Verma, and Garima Channa. Aarya Verma grabbed the 1<sup>st</sup> position in Video making competition while Jessica Secured 2<sup>nd</sup> position.

**Outcomes:** The activity enabled students to develop and strengthen their critical thinking and problem-solving abilities, which are essential in various aspects of life. Through the use of software tools, students effectively explored, visualized, and presented mathematical concepts in an engaging and meaningful manner. It also fostered awareness and appreciation of discoveries in the field of mathematics.



Department of Mathematics  
St. Bede's College, Shimla



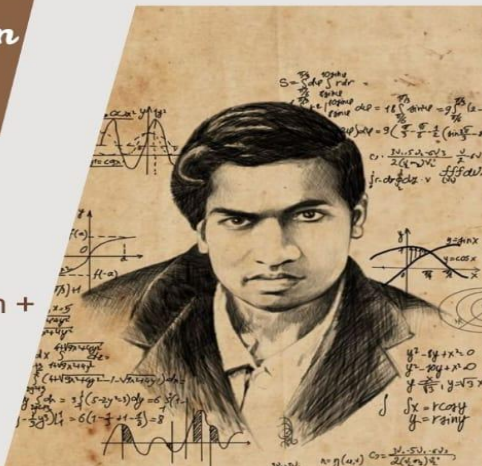
Department of Mathematics is celebrating

*National Mathematic's day*

where logic meets life,  
mathematics begins!!!

**Venue: Seminar room**  
22 December 2025  
09:45 AM Onwards

**Activities**  
+ Presentations +  
+ Quiz competition +  
+ video making competition +



Brochure



*Department of Mathematics  
St. Bede's College, Shimla*

**Srinivasa Ramanujan**  
December 22, 1887 - April 26, 1920

$$x + y + z = \sqrt{ax + (y+a)^2 + z^2} + \sqrt{a(x+y) + (z+a)^2 + (x+y)^2}$$
$$\frac{1}{\pi} = \frac{2\sqrt{2}}{9801} \sum_{k=0}^{\infty} \frac{(4k)! (1103 + 26390k)}{(k!)^4 396^{4k}}$$

*Srinivasa Ramanujan proved that true genius does not depend on resources, but on imagination and intuition.*

*An equation means nothing to me unless it expresses a thought of God*

**GPS Map Camera**

**Shimla, Himachal Pradesh, India**

35vp+mmq Navbahar, Navbahar, Chotta Shimla, Shimla,  
Himachal Pradesh 171006, India  
Lat 31.094072° Long 77.186416°  
Monday, 22/12/2025 09:59 AM GMT +05:30

**Google**

*National Mathematics Day*



*Department of Mathematics  
St. Bede's College, Shimla*



*National Mathematics Day*





*Department of Mathematics  
St. Bede's College, Shimla*



*National Mathematics Day*



*Department of Mathematics  
St. Bede's College, Shimla*



*National Mathematics Day*



*Department of Mathematics  
St. Bede's College, Shimla*



*National Mathematics Day(Quiz)*

**Activity:** National Science Week Celebration (Women in Science: Catalysing Viksit Bharat)

**Event:** The Brainstorm Bounty

**Date:** February 24, 2026

**Objective:** The primary objective of Brainstorm Bounty was to encourage students to apply mathematical concepts beyond the classroom. The activity was designed to enhance logical reasoning, critical thinking, and collaborative learning while fostering enthusiasm for mathematics.

**Description:** Department of Mathematics of St.Bede's College successfully organized an exciting and intellectually stimulating Maths Treasure Hunt titled "Brainstorm Bounty". Participants were divided into three groups, each provided with a set of common clues that required mathematical insight, critical thinking, and collaborative problem-solving to decode.



*Department of Mathematics*  
*St. Bede's College, Shimla*

The clues were carefully crafted to blend mathematical concepts with creativity, prompting students to apply classroom knowledge in an engaging, real-world context.

**Outcome:** As the teams navigated through the challenge, they demonstrated remarkable enthusiasm, teamwork spirit. The activity not only fostered a healthy competitive spirit but also strengthened communication and cooperation among students. "Brainstorm Bounty" proved to be a dynamic learning experience, reinforcing that mathematics can be both enjoyable and intellectually rewarding when approached through interactive and innovative methods.

<p>Clue 1 ↴</p> $\log_2(32) + \log_3(27)$	<p>Clue 2 ↴</p> $\lim_{x \rightarrow 2} \frac{x^2 - 4}{x - 2}$ $(x-2)(x+2)$	<p>Clue 3 ↴</p> <p>If <math>\frac{dy}{dx} = 2x</math></p> <p>Find <math>y</math></p> <p>(&amp; use <math>x</math> the ans. you get previously)</p>
---	---	--

<p>Clue 4 ↴</p> <p>How many times do the hands of clock overlap in 12 hours?</p>	<p>Clue 5 ↴</p> <p>If yesterday was 2 days before Monday, what day is today?</p>
--	--



*Department of Mathematics*  
*St. Bede's College, Shimla*



*Brochure*

**Activity:** Celebrating International Day of Mathematics

**Date:** March 13-14, 2026

**Objective:** The objective of celebrating the International Day of Mathematics observed on March 14th was to promote the significance of mathematics in our daily lives and highlight its role in various fields such as science, technology, engineering, and even arts. The date, March 14 was chosen in honor of the mathematical constant  $\pi$ . This provided a meaningful opportunity to appreciate mathematical discoveries, inspire curiosity, and encourage students to explore the limitless possibilities of mathematics.

**Description:** The theme for this year's **International Day of Mathematics** was "*Mathematics and Hope.*" To mark the occasion, the Department of Mathematics at St. Bede's College organized an insightful presentation celebrating **Pi Day**, highlighting its history and significance. As part of this initiative, two mathematics students visited **City Public School Bhattakuffer** on March 13. During their visit, they introduced school students to the ancient Indian system of mathematics known as **Vedic Mathematics** and engaged them with various logical reasoning problems, such as blood relation problems, encouraging analytical thinking and interest in mathematics.



*Department of Mathematics*  
*St. Bede's College, Shimla*

**Outcomes:** The students developed a deeper understanding of  $\pi$  and its mathematical significance, particularly in geometry and calculations involving circles. The Pi Day celebration not only made the concept of  $\pi$  more accessible and engaging but also emphasized its relevance in everyday life as well as in scientific applications.

Introducing Vedic Mathematics in school played a pivotal role in encouraging knowledge sharing among the students. It also sparked curiosity, deepened understanding, and highlighted the impact of mathematics on society, motivating them to study mathematics more deeply. This initiative helped foster a sense of community among students. The session also highlighted the richness of India's mathematical heritage, fostering a sense of pride in the ancient contributions of Indian scholars to the world of mathematics. Introducing various logical reasoning problems, such as blood relation problems, encourage analytical thinking and interest in mathematics among the students.



*International Day of Mathematics*



*Department of Mathematics*  
*St. Bede's College, Shimla*



*International Day of Mathematics*



*Department of Mathematics*  
*St. Bede's College, Shimla*



*International Day of Mathematics*



*Department of Mathematics  
St. Bede's College, Shimla*



*International Day of Mathematics*



*Department of Mathematics  
St. Bede's College, Shimla*

**St. Bede's College**  
NAAC Re-Accredited A Grade

DEPARTMENT OF MATHEMATICS  
IS CELEBRATING

# INTERNATIONAL DAY OF MATHEMATICS

## TOPIC: MATHEMATICS AND HOPE

### Activities

(13 march 2026)

- Exploring Vedic mathematics : Tricks of Mathematics at City Public School Bhattakuffar

(14 march 2026)

- Presentations

*Brochure*