

## TITLE OF THE EVENT: NATIONAL MATHEMATICS WEEK

**CATEGORY: Academic**

**LEVEL: National Level**

**DATE OF EVENT: 18th- 24th December, 2023**

**ORGANISING DEPARTMENT: Department of Mathematics**

**CONVENORS OF THE EVENT: Ms. Rajni Gupta and Dr. Geetan Manchanda**

**ORGANISING TEAM: Faculty members of the Department of Mathematics**

### NAMES OF EVENT COORDINATORS:

S. No.	EVENT NAME	DATE	EVENT COORDINATORS
1.	“Ramanujan” movie-based-quiz	19/12/2023	Ms. Priyanka Sahni and Dr. Simran Kaur
2.	Mathematical Insights Showcase: PowerPoint Presentation	20/12/2023	Dr. Arpit Kansal and Dr. Khushboo Bussi
3.	Art Integration Activity: Poster Presentation	21/12/2023	Dr. Shivani Yadav and Ms. Aanchal
4.	Talk on “Life and Work Of Ramanujan” by Dr. Amit Kulshrestha	22/12/2023	Dr. Leena and Dr. Neetu Arneja
5.	Talk on “Vedic Mathematics” by Dr. Rakesh Bhatia	23/12/2023	Dr. Neelima Ohri, Mr. Saurav Kumar and Dr. Archana Paradkar

### NAMES OF THE JUDGES:

S. No.	EVENT NAME	DATE	NAME OF THE JUDGES	AFFILIATION
1.	“Ramanujan” movie-based-quiz	19/12/2023	Dr. Shivani Yadav	Assistant Professor, Maitreyi College
2.	Mathematical Insights Showcase: PowerPoint Presentation	20/12/2023	Dr. Leena and Dr. Neetu Arneja	Assistant Professor, Maitreyi College
3.	Art Integration Activity: Poster Presentation	21/12/2023	Dr. Archana Paradkar and Dr. Ashok Kakroda	Assistant Professor, Maitreyi College

**NUMBER OF THE PARTICIPANTS:**

S. No.	EVENT NAME	DATE	NO. OF PARTICIPANTS
1.	“Ramanujan” movie-based-quiz	19/12/2023	27
2.	Mathematical Insights Showcase: PowerPoint Presentation	20/12/2023	32
3.	Art Integration Activity: Poster Presentation	21/12/2023	19
4.	Talk on “Life and Work Of Ramanujan” by Dr. Amit Kulshrestha	22/12/2023	39
5.	Talk on “Vedic Mathematics” by Dr. Rakesh Bhatia	23/12/2023	26

**NUMBER OF THE PARTICIPANTS FROM MAITREYI COLLEGE:**

S. No.	EVENT NAME	DATE	NO. OF PARTICIPANTS
1.	“Ramanujan” movie-based-quiz	19/12/2023	3
2.	Mathematical Insights Showcase: PowerPoint Presentation	20/12/2023	5
3.	Art Integration Activity: Poster Presentation	21/12/2023	5
4.	Talk on “Life and Work Of Ramanujan” by Dr. Amit Kulshrestha	22/12/2023	8
5.	Talk on “Vedic Mathematics” by Dr. Rakesh Bhatia	23/12/2023	5

**LIST OF PARTICIPANTS:**

S. No.	Name of Participant	Institution/ College/ University
	<b>Event 1: “Ramanujan” movie-based-quiz</b>	
1	Manish Kumar	Zakir Husain College
2	Karunya S S	Muthayammal College of Arts and Science
3	Mahak Mishra	Maitreyi College

4	Gaurav Kumar	IISER Pune
5	Harsh	Sri Venkateswara College
6	Sakthi	PSNA College
7	Pranchal	Panjab University Chandigarh
8	Pamulapati Manasa	Maitreyi College
9	N. Nagadhivya	Muthayammal College of Arts and Science
10	Gulnashi	Vivekananda College
11	Anuj kumar	Sri Aurobindo College
12	Vaishnavi Goswami	Gargi College
13	Ojjasvi	Mukand Lal National College
14	Jagdeesh	Banaras Hindu University
15	Gargi Bisht	Gargi College
16	Ravi Kumar	MDU
17	Amit Basak	IIT, Bhubaneswar
18	Tanisha Jain	School of Open Learning, Delhi University
19	Meenadshi M	Saveetha Engineering College
20	Avnish Meena	Zakir Hussain College
21	Arjun Maurya	Deen Dayal Upadhyaya Gorakhpur University
22	Vishesh	Dyal Singh College
23	Simran Chugh	Miranda House
24	Abhiram Gond	Utkal University
25	Gurpreet Kaur	Panjab University, Chandigarh
26	Rajendra Meena	Hindu College
27	Manshi	Maitreyi College

S. No.	Name of Participant	Institution/ College/ University
<b>Event 2 :Mathematical Insights Showcase: PowerPoint Presentation</b>		

1	Aarushi Tiwari	Maitreyi College
2	Anuj Kumar	Sri Aurobindo College
3	Sourav Mandal	Ramakrishna Mission Vivekananda Educational and Research Institute
4	Sakthi. G	PSNA College
5	Ravi Kumar	MDU
6	Yukta Aggarwal	Guru Gobind Singh Indraprastha University
7	Sagar Mandal	IIT Kanpur
8	Aruni Saxena	Jesus and Mary College
9	Akshita	Maitreyi College
10	Tanisha Jain	School of Open Learning, Delhi University
11	Shubhra Dewangan	Govt. Bilasa Girls' P.G. College Bilaspur (C.G.)
12	Arjun Maurya	Deen Dayal Upadhyaya Gorakhpur University
13	Abhiram Gond	Utkal university bhubaneswar
14	Khushi Mishra	Maitreyi College
15	Suraj Kumar Pal	KNIPSS Sultanpur, U.P.
16	Vikhram S	Saveetha Engineering College
17	Urvashi	Doaba College
18	Anamika Bej	Maharajadhiraj Uday Chand Women's College
19	Komal Singh	Maitreyi College
20	Smriti.B	Saveetha Engineering College
21	S Mohamed Javith	PSNA College of Engineering and Technology
22	Ashutosh Ranjan	Veer Bahadur Singh Purvanchal University, Jaunpur
23	Afsana	Delhi University
24	Adarsh Yadav	University of Allahabad
25	Vishesh	Dyal Singh College
26	Nrusinh Patel	School of Science, Department of Mathematics, Gujarat University

27	V Pranesh Dharshan	JJ College of Engineering and Technology, Trichy
28	Murugadeepak M	PSNA College of Engineering and Technology
29	Ramesh M	Dr. Meenakshi College of Teacher Education
30	Dr P. Ramasubramanian	Megha Institute of Engg. and Tech. for Women
31	Lalit	Government Dungar College Bikaner
32	Manshi	Maitreyi College

S. No.	Name of Participant	Institution/ College/ University
<b>Event 3: “Art Integration Activity: Poster Presentation”</b>		
1	Priya Sharma	Maitreyi College
2	Lalit	Government Dungar College Bikaner
3	Gulnashi	Vivekananda College
4	Ravi	MDU
5	Anuj Kumar	Sri Aurobindo College
6	Akshita Singh	Maitreyi College
7	Tanisha Jain	School of Open Learning, Delhi University
8	Arjun Maurya	Deen Dayal Upadhyaya Gorakhpur University
9	Smriti.B	Saveetha Engineering College
10	Rohit Kasera	Madan Mohan Malaviya University Of Technology, Gorakhpur
11	K.Tamilselvi	Dr. Meenakshi College
12	Shweta	Maitreyi College
13	Manshi	Maitreyi College
14	Arun Verma	Christ Church College
15	Komal Singh	Maitreyi College
16	Murugadeepak M	PSNA College of Engineering and Technology
17	Krishan Panja	Calcutta University

18	Shubhra Dewangan	Govt. Bilasa Girls' P.G. college Bilaspur (C.G.)
19	Suraj Kumar Pal	KNIPSS Sultanpur, U.P.

S. No.	Name of Participant	Institution/ College/ University
<b>Event 4 : Talk on “Life and Work Of Ramanujan” by Dr. Amit Kulshrestha</b>		
1	Abhiram Gond	Utkal University
2	Gurpreet Kaur	Panjab University, Chandigarh
3	Vikhram S	Saveetha Engineering College
4	Kashish Kumari	Maitreyi college
5	Rohit Kasera	Madan Mohan Malaviya University Of Technology, Gorakhpur
6	Aakash Raja R	PSNA College of Engineering and Technology
7	Suraj Kumar Pal	KNIPSS Sultanpur, U.P.
8	Ramesh M	Dr. Meenakshi College of Teacher Education
9	S Mohamed Javith	PSNA College of Engineering and Technology
10	Jagdeesh	Banaras Hindu University
11	Nrusinh Patel	School of Science, Department of Mathematics, Gujarat University
12	Akshita Singh	Maitreyi College
13	Shubhra Dewangan	Govt. Bilasa Girls' P.G. College Bilaspur (C.G.)
14	Harsh	Sri Venkateswara College
15	Saloni Gupta	Maitreyi College
16	Smriti.B	Saveetha Engineering College
17	Shweta Yadav	Maitreyi College
18	Gobinda Saha	National Institute of Technology Agartala
19	Vineet Singh	Kirori Mal College
20	Brijesh Kishore Mishra	Ram Lal Anand College
21	Samiya Begum	Delhi University (Institute of Home Economics)

22	Pamulapati Manasa	Maitreyi College
23	Manshi	Maitreyi College
24	Amit Basak	Indian Institute of Technology, Bhubaneswar
25	Sakshi Jindal	Maitreyi College
26	Geetinderveer Singh	Indian Institute of Wheat and Barley Research, Karnal
27	Ashutosh Ranjan	Veer Bahadur Singh Purvanchal University Jaunpur
28	Arun Verma	Christ Church College
29	Meenadshi M	Saveetha Engineering College
30	Vishesh	Dyal Singh College
31	Hritvij Rakesh Soni	Deen Dayal Upadhyaya University Gorakhpur
32	Urvashi	Doaba College
33	K.Tamilselvi	Dr. Meenakshi College
34	Murugadeepak M	PSNA College of Engineering and Technology
35	Komal Singh	Maitreyi College
36	Ravi Kumar	MDU
37	Mohanasundari.M	Dr. Meenakshi College of Teacher Education
38	Arjun Maurya	Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur
39	Vijay Laxmi Pandit	Shyama Prasad Mukherji College

S. No.	Name of Participant	Institution/ College/ University
<b>Event 5 : Talk on “Vedic Mathematics” by Dr. Rakesh Bhatia</b>		
1	Abhiram Gond	Utkal university
2	Gurpreet Kaur	Panjab University, Chandigarh
3	Vikhram S	Saveetha Engineering College
4	Kashish Kumari	Maitreyi College
5	Rohit Kasera	Madan Mohan Malaviya University Of Technology, Gorakhpur

6	Aakash Raja R	PSNA College of Engineering and Technology
7	Suraj Kumar Pal	KNIPSS Sultanpur, U.P.
8	Ramesh M	Dr. Meenakshi college of teacher education
9	S Mohamed Javith	PSNA College of Engineering and Technology
10	Jagdeesh	Banaras Hindu University
11	Nrusinh Patel	School of Science, Department of Mathematics, Gujarat University
12	Akshita Singh	Maitreyi College
13	Shubhra Dewangan	Govt. Bilasa Girls' P.G. College Bilaspur (C.G.)
14	Harsh	Sri Venkateswara College
15	Saloni Gupta	Maitreyi College
16	Smriti.B	Saveetha Engineering College
17	Shweta Yadav	Maitreyi College
18	Gobinda Saha	National Institute of Technology, Agartala
19	Vineet Singh	Kirori Mal College
20	Brijesh Kishore Mishra	Ram Lal Anand College
21	Samiya Begum	Delhi University (Institute of Home Economics)
22	Pamulapati Manasa	Maitreyi College
23	Manshi	Maitreyi College
24	Amit Basak	Indian Institute of Technology Bhubaneswar
25	Sakshi Jindal	Maitreyi College
26	Geetinderverr Singh	Indian Institute of Wheat and Barley Research, Karnal

### **REPORT:**

The National Mathematics Day, celebrated on December 22nd, marks the birth anniversary of the legendary Indian Mathematician, Srinivasa Ramanujan. His unparalleled achievements and groundbreaking work continue to be a source of inspiration for mathematicians and students worldwide. Given the immense significance of Mathematics in shaping our



understanding of the world, the Department of Mathematics, Maitreyi College in collaboration with Shiksha Sanskriti Uthaaan Nyas, Delhi celebrated the National Mathematics Week from 18-24 December, 2023 to inspire and remind our present generation about the monumental contributions of Srinivasa Ramanujan to the field of Mathematics. The Department organised a series of events and activities to commemorate this week and shed light on Ramanujan's extraordinary legacy. All the participants were provided with e-certificates. For the first three events, the first prize winner received a cash prize of Rs. 2000, while the second prize winner was awarded Rs. 1000.

### **Event 1: “Ramanujan” movie-based-quiz**

A quiz competition based on the movie “Ramanujan” was organised on 19th December, 2023. Participants were required to watch the movie beforehand, accessed via a provided link. The event comprised two rounds: Round 1 was an online quiz presented as a Google Form, consisting of 20 multiple choice questions, while Round 2 was a live online quiz conducted via Google Meet, including both multiple choice questions and questions based on video clips. The top positions were secured by ‘Pamulapati Manasa’ from Maitreyi College, who claimed first place, and ‘Jagdeesh’ from BHU, who secured second position.

### **Event 2: “Mathematical Insights Showcase: PowerPoint Presentation”**

A PowerPoint Presentation based event was conducted on 20th December, 2023. Eight participants from different colleges and universities presented their presentations on various mathematical topics. Yukta Agarwal from Guru Gobind Singh Indraprastha University presented “A Simple Open Problem in Mathematics: Collatz Conjecture” and got the first position. Aruni Saxena from Jesus and Mary College secured the second position for her presentation on “Curbing Australian Bushfire using Mathematical Modelling”.

### **Event 3: "Art Integration Activity: Poster Presentation"**

A Poster Presentation based event was conducted on 21st December. Participants demonstrated their mastery by creating visually striking posters that conveyed complex concepts with creativity. This event not only celebrated interdisciplinary learning but also highlighted the importance of visual communication in education, providing a platform for students to showcase their talents. Akshita Singh from Maitreyi College emerged as the first winner for her poster on “Symmetry in Groups: Indian Art”. Priya Sharma from Maitreyi College secured the second position for showcasing her talent in the form of a poster on “Symmetry in Group Theory”.

### **Event 4: Talk on “Life and work of Ramanujan” by Dr. Amit Kulshrestha, IISER Mohali**

Dr. Amit Kulshrestha from IISER Mohali delivered a captivating talk on the life and work of Srinivasa Ramanujan on 22nd December. Drawing from his expertise, Dr. Kulshrestha

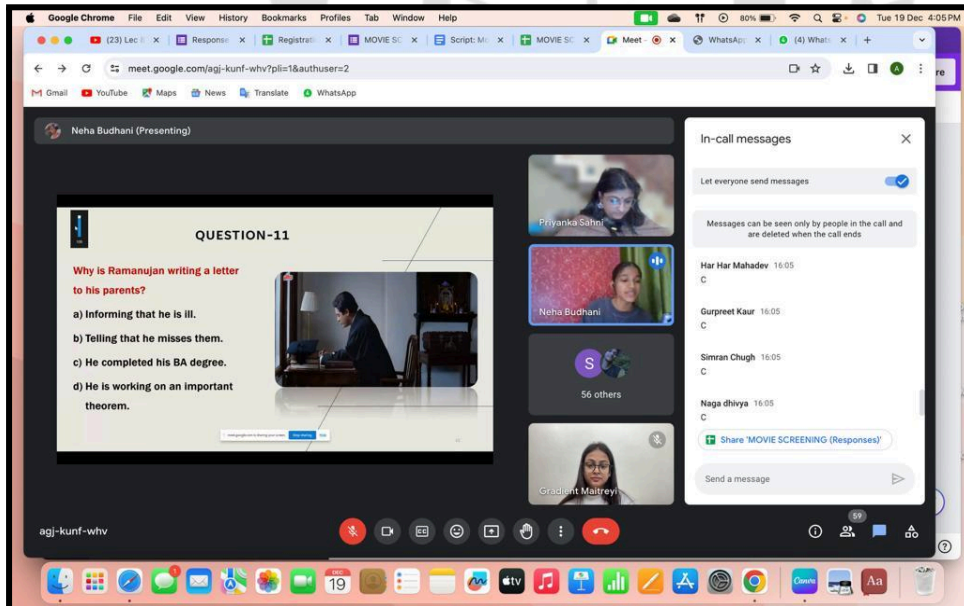
provided insightful perspectives on the mathematical genius's journey, highlighting Ramanujan's extraordinary contributions to number theory and his profound impact on the field. The talk likely delved into Ramanujan's unique mathematical insights, his collaboration with renowned mathematicians and the enduring legacy he left in the world of mathematics.

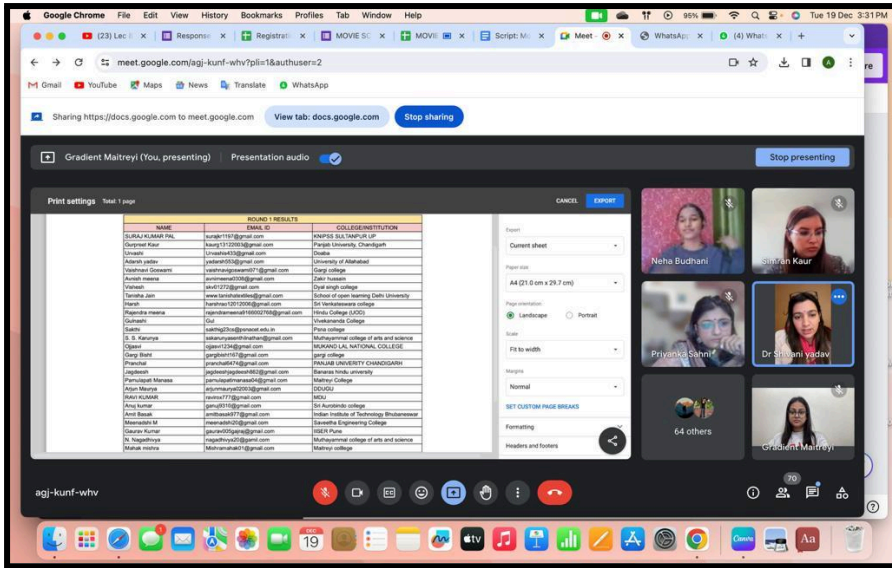
### Event 5: Talk on "Vedic Mathematics" by Dr. Rakesh Bhatia, Shiksha Sanskriti Utthan Nyas

Dr. Rakesh Bhatia, the National Coordinator of Vedic Mathematics in Shiksha Sanskriti Utthan Nyas, Delhi, delivered an enlightening talk on Vedic Mathematics, exploring the principles and applications of this ancient mathematical system. He highlighted the simplicity and efficiency of the system, promoting a holistic approach to mathematical problem-solving. Attendees gained insights into the unique techniques used in Vedic Mathematics, such as sutras (formulas) that simplify complex calculations. Dr. Bhatia demonstrated some of these techniques, showcasing their practicality and effectiveness. The event featured an engaging question and answer session where attendees could seek clarification on various aspects of Vedic Mathematics.

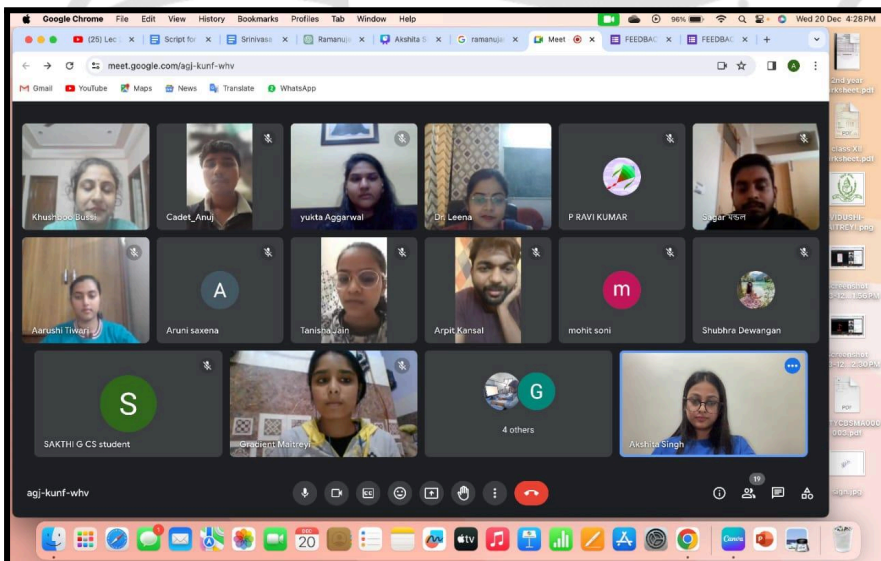
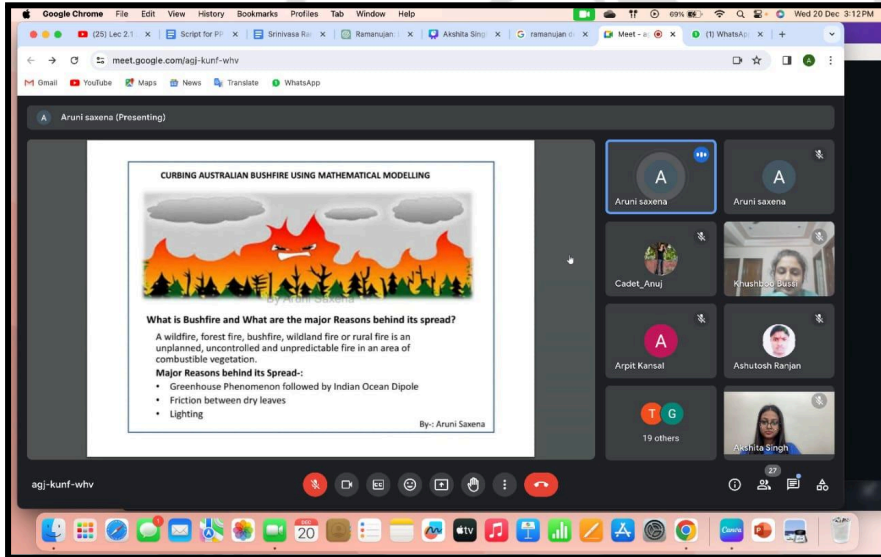
### PHOTOGRAPHS

#### 1) "Ramanujan" movie-based-quiz



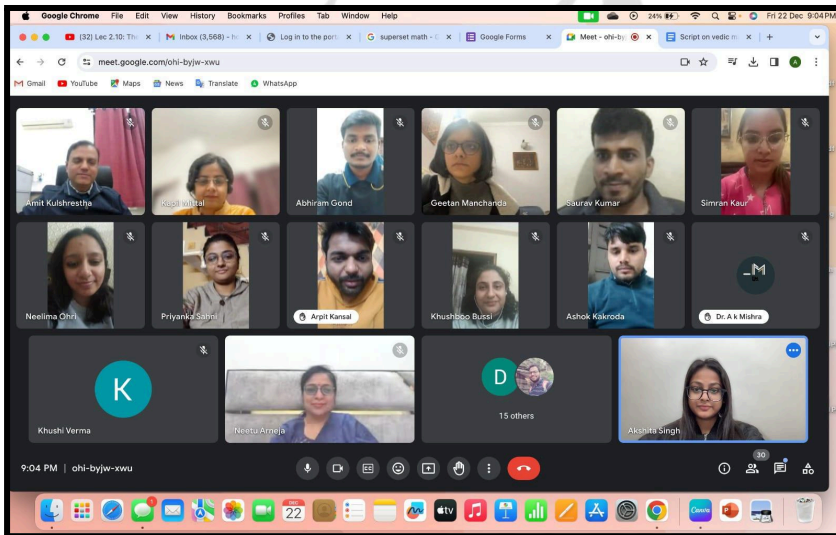
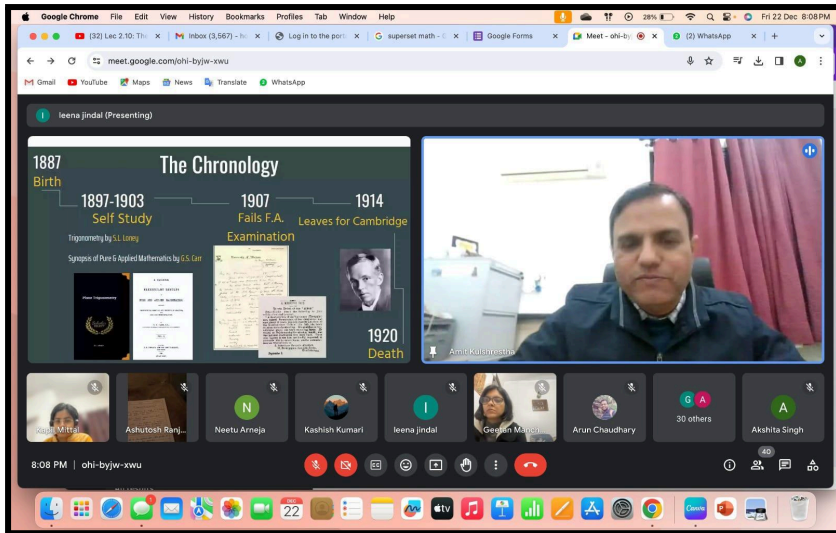


## 2) Mathematical Insights Showcase: Powerpoint Presentation

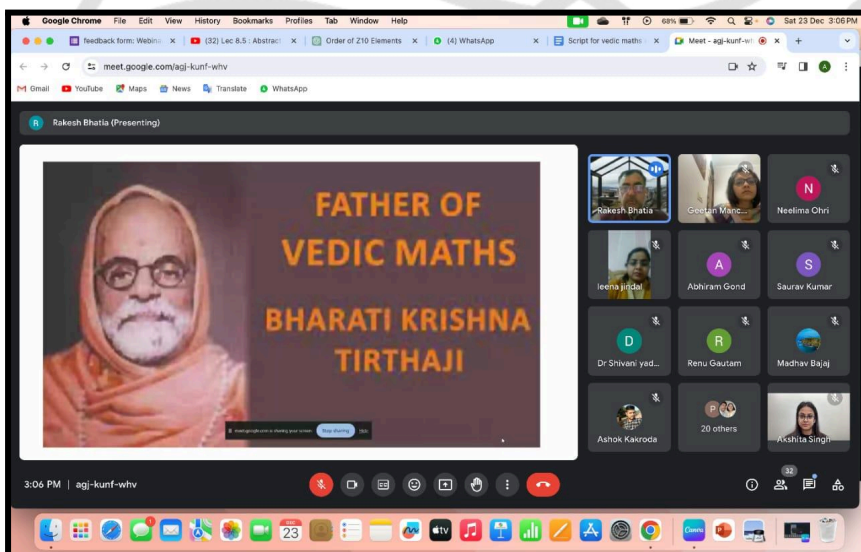


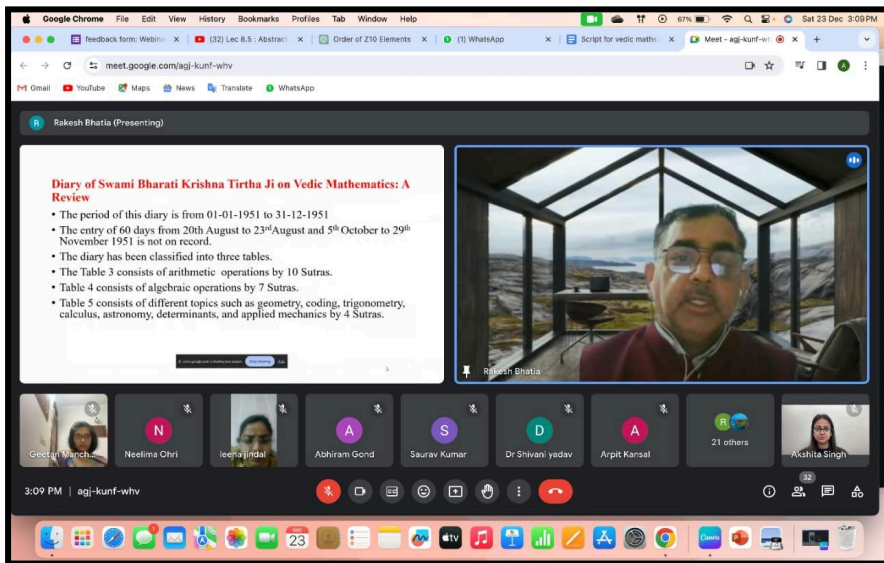






## 5) Talk on “Vedic Mathematics” by Dr. Rakesh Bhatia, Shiksha Sanskriti Utthan Nyas

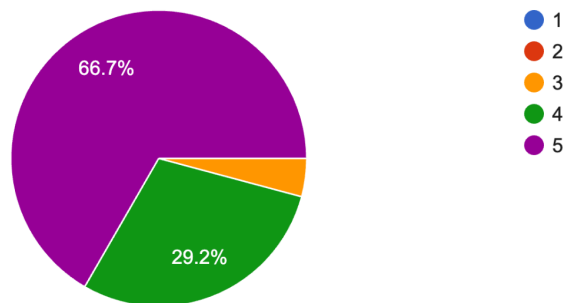




### FEEDBACK ANALYSIS:

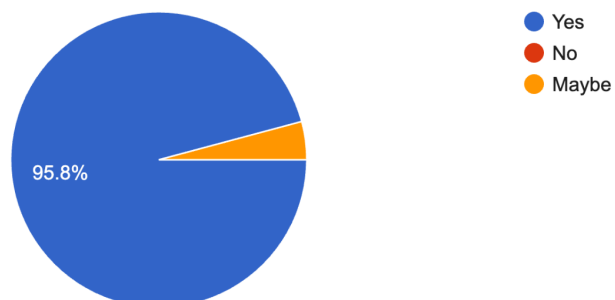
How would you rate the overall experience during National Mathematics Week 2023 ?

24 responses



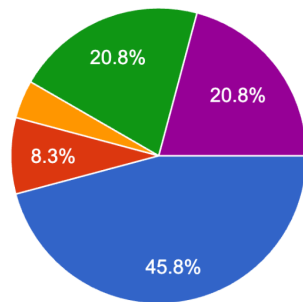
Did the events and activities during the week meet with your expectations?

24 responses



### Which specific event or activity did you find most engaging?

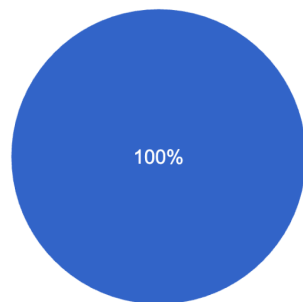
24 responses



- Ramanujan movie-based-quiz
- Mathematical Insights Showcase: Powerpoint Presentation
- Art Integration Activity: Poster Presentation
- Talk on "Life and Work of Ramanujan" By Dr. Amit Kulshrestha
- Talk on "Vedic Mathematics" by Dr. Rakesh Bhatia

### Do you feel that National Mathematics Week successfully promoted a positive and enjoyable atmosphere around Maths?

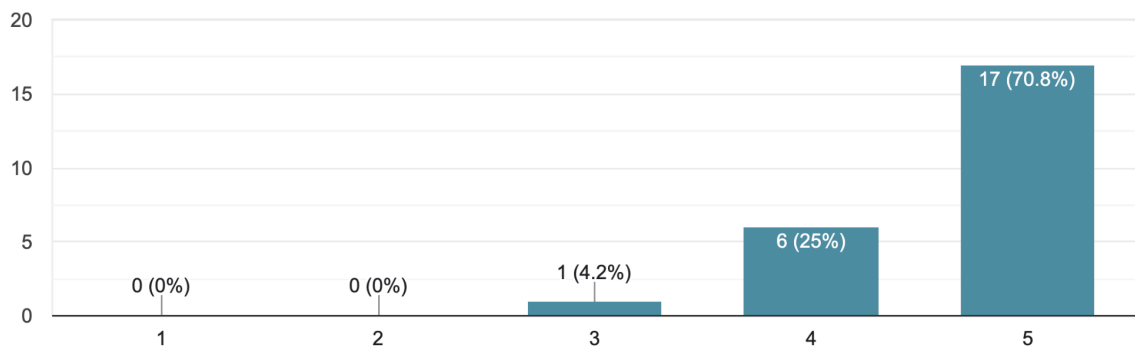
24 responses



- Yes
- No
- Maybe

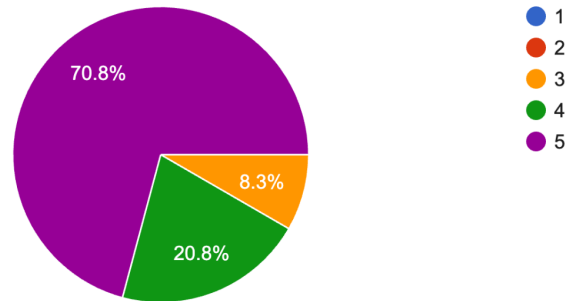
### How well did the activities align with the theme or purpose of National Mathematics Week?

24 responses



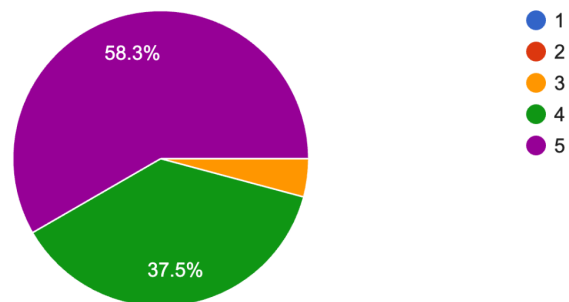
How effective were the organizers in communicating information about National Mathematics Week?

24 responses



How likely are you to recommend National Mathematics Week at Maitreyi College to your peers and colleagues?

24 responses



Dr. Geetan Manchanda  
Teacher-in-charge and Convenor