

हंसराज महाविद्यालय  
दिल्ली विश्वविद्यालय  
महात्मा हंसराज मार्ग,  
मलकागंज, दिल्ली-110007  
दूरभाष: 011-27667458, 27667747  
ई-मेल: [principal\\_hrc@yahoo.com](mailto:principal_hrc@yahoo.com)  
वेबसाइट: [www.hansrajcollege.ac.in](http://www.hansrajcollege.ac.in)



HANSRAJ COLLEGE  
UNIVERSITY OF DELHI  
Mahatma Hansraj Marg,  
Malka Ganj, Delhi-110007  
Tel.: 011-27667458, 27667747  
E-mail: [principal\\_hrc@yahoo.com](mailto:principal_hrc@yahoo.com)  
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### NAAC ACCREDITED 'A++' GRADE COLLEGE

### 3. Name of the Event: **Ramanujanotsav: Celebrating Mathematics Week**

Organizer: Pi Society: Students Council and all faculty member, Department of Mathematics.

Date of the Event: December 22, 2023

Venue: Online on Zoom

Duration/Event Timing: 4 Hour

Speaker: Prof. Preeti Dharmarha

Name of Convenor: Dr. Om Prakash Meena, Department of Mathematics

#### **Event Description:**

The Department of Mathematics at Hansraj College recently organized a celebration of mathematics, titled "RAMANUJANOTSAV," dedicated to the remarkable Srinivasa Ramanujan. The event aimed to delve into the world of formulas, fun, and the profound contributions of the legendary mathematician.

The highlight of the celebration was a captivating webinar titled "Journey of Indian Mathematics: Indus Valley to Ramanujan", hosted by the esteemed Dr. Preeti Dharmarha, a Professor at Hansraj College, University of Delhi. The webinar aimed to demystify the beauty of numbers, equations, and mathematical innovations. Dr. Dharmarha took the attendees on a fascinating journey through the history of Indian mathematics, culminating in the groundbreaking work of Srinivasa Ramanujan.

The event, held on December 22, 2023, commenced at 1 p.m. and was conducted on the Zoom platform. Attendees were not only treated to an insightful webinar but also had the opportunity to engage in intriguing games and presentations. Additionally, a screening of the short film, "The man who knew infinity" added a entertaining dimension to the celebration.

During the interactive segment of Ramanujanotsav, attendees actively participated in a challenging yet enjoyable quiz focused on Srinivasa Ramanujan's life and mathematical contributions. The questions ranged from his notable discoveries to anecdotes from his personal journey. The enthusiasm and engagement of the participants added a dynamic and competitive element to the event, further enhancing the celebration of mathematics.

The quiz not only tested the participants' knowledge but also served as a platform for sharing interesting insights and facts about Ramanujan. It created a sense of camaraderie among the attendees, fostering a shared appreciation for the brilliance of the legendary mathematician. The interactive game not only entertained but also educated, making Ramanujan's mathematical legacy more accessible and engaging for everyone involved.

The Department of Mathematics expressed their gratitude to the participants for their enthusiastic presence. The event successfully fostered an environment where mathematics became more than just a subject; it became an expression of the human mind, reflecting active will, contemplative reason, and a desire for aesthetic perfection.

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Event's Photos

**DEPARTMENT OF MATHEMATICS  
HANSRAJ COLLEGE**  
presents  
**RAMANUJANOTSAV**  
JOURNEY OF INDIAN MATHEMATICS: INDUS VALLEY TO RAMANUJAN  
FRIDAY  
December 22, 2023  
1 PM  
Onwards  
On Zoom  
PROF. PREETI DHARMARHA  
DEPT. OF MATHEMATICS  
HANSRAJ COLLEGE  
Along with exciting games, story screening and presentation!

**CONCLUSION**

- Exceptional Talent:** Ramanujan exhibited extraordinary mathematical talent from an early age.
- Self-Driven Exploration:** Limited by formal education due to financial constraints, he independently delved into mathematics, relying on basic resources.
- Unconventional Methods:** Ramanujan developed unique and unconventional approaches, characterized by originality and depth.
- Struggles in India:** Faced challenges gaining recognition for his work in India, where his insights were initially underappreciated.
- Collaboration with G.H. Hardy:** Correspondence with Hardy marked a turning point, leading to an invitation to England and global recognition.
- Broad Mathematical Contributions:** Ramanujan made significant contributions to number theory, infinite series, modular forms, and more.
- Legacy in Unsolved Problems:** Many of his results and conjectures remain influential and are actively studied by mathematicians.
- Influence Beyond Mathematics:** His work unexpectedly found applications in modern physics, contributing to the study of black holes and quantum mechanics.
- Cultural Impact:** Ramanujan's life and achievements became an integral part of Indian cultural heritage, inspiring future generations.
- Film and Literature:** His story has been depicted in various forms, including the movie 'The Man Who Knew Infinity' and numerous books.

Attendance Proof: Above Screen Shots of Live Streaming