

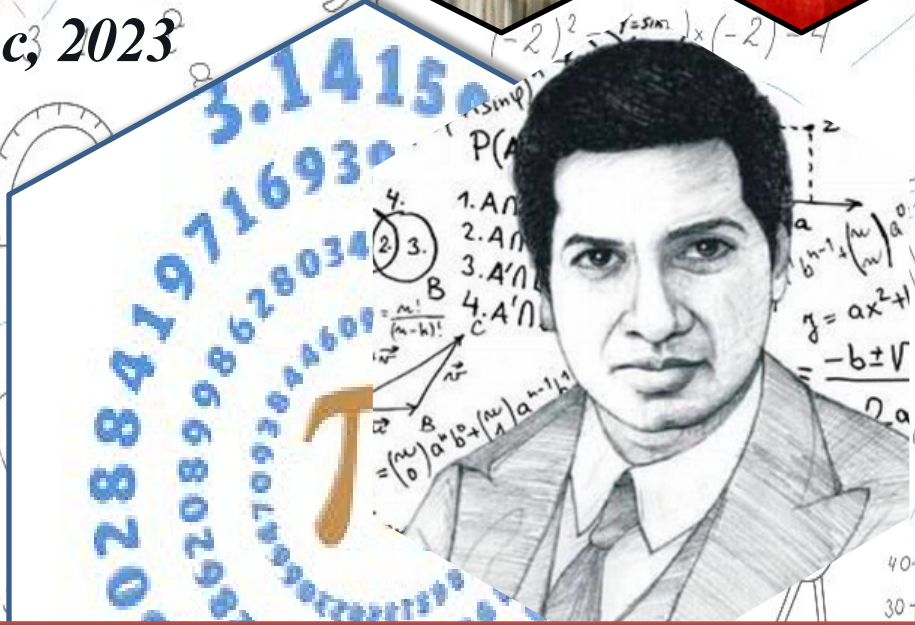


National Mathematics Week - 2023

"An exhibition for mathematics enthusiasts."



18th Dec - 23rd Dec, 2023



Organized by,
Department of Mathematics
Guru Nanak Dev University, Amritsar





About Department of Mathematics

The Department of Mathematics, Guru Nanak Dev University was established in 1971, and it has evolved steadily since its inception, owing to the dedicated efforts of the faculty, its students, and continuous support by university administration. Initially offering just a 2-year MSc degree, the department eventually expanded to include research programs such as M.Phil and Ph.D as well. All this while the department has maintained exceptional levels of academic standards, and it continues to flourish under the skilled leadership of the University's patrons.

About the Event

On 26th February 2012, our former prime minister S. Manmohan Singh announced to observe 22nd December as the National Mathematics Day, to mark 125th birth anniversary of Srinivasa Ramanujan and pay tribute to the legendary Indian mathematician Srinivasa Ramanujan and celebrate his achievements. Ramanujan gave 3500 maths formulae to the world, some of which are still not proven completely. Thus, every year 22nd December is celebrated as National Mathematics Day in India.

Department of Mathematics, Guru Nanak Dev University, Amritsar is organizing National Mathematics Week, 2023 from 18th December-23rd December, 2023. National Mathematics Week is a six-day program under which six separate events will be organized for university students:

- **Rangoli Making**
- **Student Seminar**
- **PowerPoint presentation by Department scholars**
- **Documentary on life of Ramanujan**
- **Poster Making**
- **Quiz Competition along with Expert Talk**

Day 1:- Rangoli Making

UG & PG University Students can participate in this category.

Theme: Applications of Mathematics

Venue: Department of Mathematics, Guru Nanak Dev University, Amritsar

Date: 18th December, 2023

Description:

The event consists of a rangoli making competition on the topic “Applications of Mathematics in daily lives”.

Common Guidelines:

- Students must carry their ID cards.
- Reach the venue at least 30 mins before the time.
- Certificate of Participation will be awarded to every participant.
- Top 2 students will be awarded on 23rd December, 2023.

Interested students must inform the respected CR's of the class for participation in the event.

Rules and Regulations:

- The duration for making Rangoli is 2 hours with half an hour extra to wrap up.
 - Participants must stick to the theme of the event.
 - Language used can be English, Hindi or Punjabi.
 - **Students need to bring their own rangoli colours.**
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Day 2:- Research Presentations

University Students can participate in this category

Venue: Department of Mathematics, Guru Nanak Dev University, Amritsar

Date: 19th December, 2023

Description:

- The event consists of Research Presentations by Department Research Scholars on various topics related to the works of Ramanujan. Students are advised to join the event and learn new things about the great Indian Mathematician Srinivasa Ramanujan and learn about different mathematical concepts.
- The Duration of each presentation would be 5-10 minutes.

Day 3:- Poster Presentation

UG & PG University Students can participate in this category.

Theme: Life and Works of Ramanujan

Venue: Department of Mathematics, Guru Nanak Dev University, Amritsar

Date: 20th December, 2023

Description:

The event consists of poster presentation on the given topic. Students need to bring a hand made poster on the given topic. Judgement is done on the basis of presentation skills, speaking skills and timekeeping.

Common Guidelines:

- Students must carry their ID cards.
- Reach the venue at least 30 mins before the time.
- Certificate of Participation will be awarded to every participant.
- Top 2 teams will be awarded on 23rd December, 2023.

Interested students must inform the respected CR's of the class for participation in the event.

Rules and Regulations:

- The poster must be hand made and not a printed one and should be ready before the beginning of the event.
 - Participants must stick to the theme of the event.
 - Language used can be English, Hindi or Punjabi.
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Day 4:- Student Seminar

UG & PG University Students can participate in this category.

Theme: Legacy of Ramanujan

Venue: Department of Mathematics, Guru Nanak Dev University, Amritsar

Date: 21st December, 2023

Description:

The event consists of PowerPoint presentation on the given topic. Students need to make a PPT on the given topic and deliver a 5-10 min speech on the same. Judgement is done on the basis of presentation skills, speaking skills and timekeeping.

Common Guidelines:

- Students must carry their ID cards.
- Reach the venue at least 30 mins before the time.
- Certificate of Participation will be awarded to every participant.
- Top 2 students will be awarded on 23rd December, 2023.

Interested students must inform the respected CR's of the class for participation in the event.

Rules and Regulations:

- Participants must stick to the theme of the event.
 - The duration per seminar is 5-10 mins.
 - Language used can be English, Hindi or Punjabi.
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Day 5:- Documentary on Life of Srinivasa Ramanujan

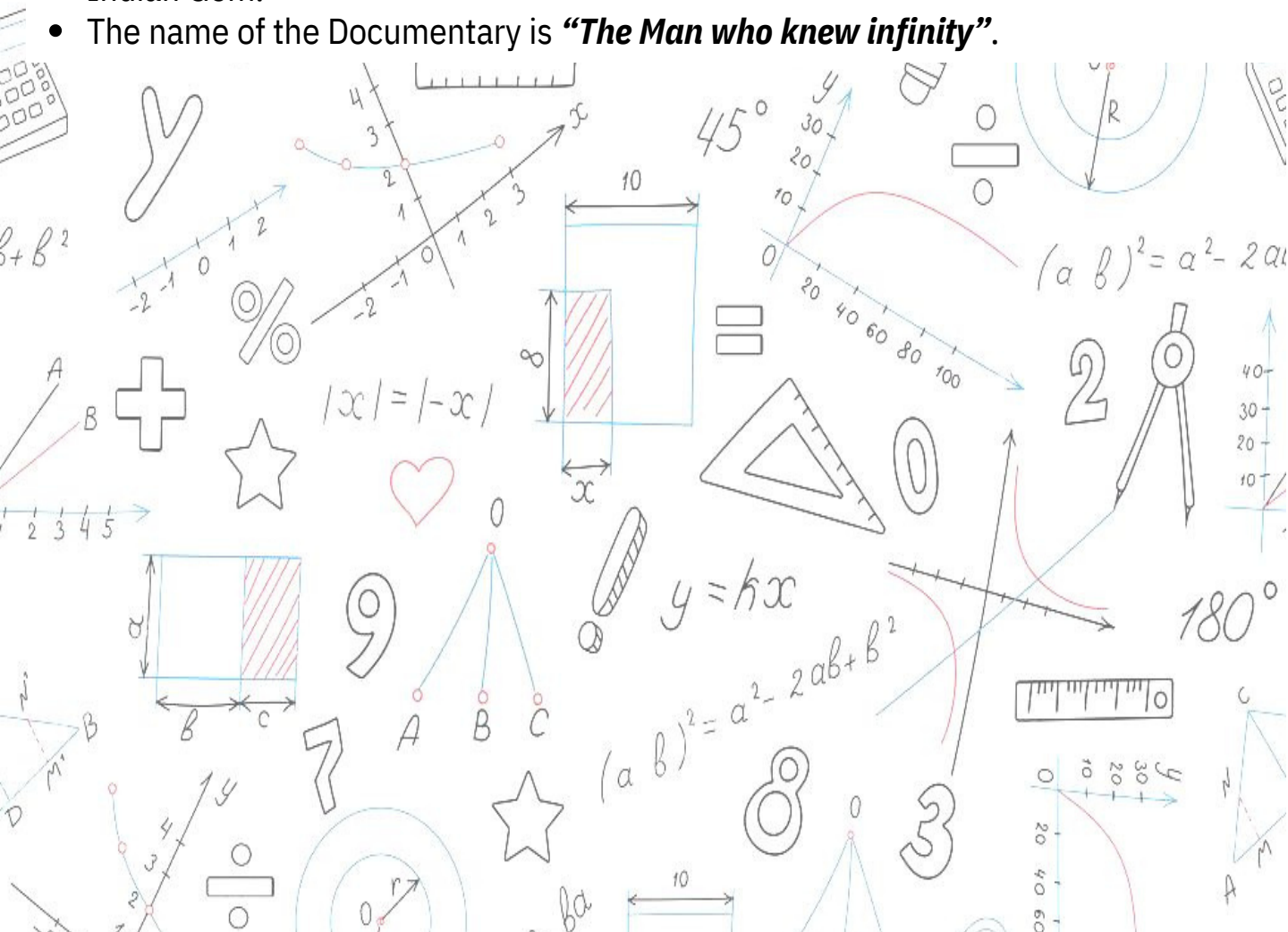
University Students can participate in this category

Venue: Department of Mathematics, Guru Nanak Dev University, Amritsar

Date: 22nd December, 2023

Description:

- The event consists of a documentary on the life of Srinivasa Ramanujan, The Great Indian Mathematician. In this documentary the students will come to know about the struggles he faced during his life and how he became one of the greatest Indian Mathematicians. Students are advised to join the event and learn new things about the great Indian Mathematician Srinivasa Ramanujan and gain more knowledge about our Indian Gem.
- The name of the Documentary is ***“The Man who knew infinity”***.



Day 6:- Quiz Competition

UG & PG University/College Students can participate in this category

Theme: Life and Works of Ramanujan

Venue: Department of Mathematics, Guru Nanak Dev University, Amritsar

Date: 23rd December, 2023

Description:

The event consists of a Quiz Competition on the given topic. Students need to stick to the topic and questions will be asked based on the Life and Works of Srinivasa Ramanujan. Judgement is done on the basis of skills and timekeeping.

- ***The Event also consists of an Expert Lecture to be delivered after completion of the quiz competition.***

Common Guidelines:

- Students must carry their ID cards.
- Reach the venue at least 30 mins before the time.
- Certificate of Participation will be awarded to every participant.
- Two students per team are allowed.
- Top 2 teams will be awarded on 23rd December, 2023.

Interested students must inform the respected CR's of the class for participation in the event.

Rules and Regulations:

- The Quiz will consist of 3 rounds with different levels of questions as we go ahead.
- Two participants per team are allowed.
- A specific time will be provided to the students to answer the questions.
- Language used will be English, Hindi or Punjabi.

Contact for More Information:

Dr. Rachna :- 9464560537

Organizing Committee

Chief Patron:

Prof. Jaspal Singh Sandhu

Vice Chancellor, GNDU



Convener:

Prof. Jitender Singh

HOD Mathematics

Coordinator:

Dr. Rachna

Organizing Committee:

Dr. Ramandeep

Dr. Anchal