



# Ramanujan Prize

## Why in News

The [Ramanujan Prize for Young Mathematicians from developing countries](#) has been given to **Professor Neena Gupta**.

- She is a **mathematician at the Indian Statistical Institute in Kolkata** and has been awarded for her outstanding work in **affine algebraic geometry** and **commutative algebra**.
- She is the third woman to receive the Ramanujan Prize.
- Her solution for solving the **Zariski cancellation problem**, a fundamental problem in Algebraic Geometry, earned her the **2014 Young Scientists Award of the Indian National Science Academy**.

## Key Points

### ▪ About:

- The Ramanujan Prize for **Young Mathematicians from developing countries** has **been awarded annually since 2005**.
- It is administered by the **Abdus Salam International Centre for Theoretical Physics (ICTP)** jointly with the [Department of Science and Technology \(DST\)](#) Government of India and the **International Mathematical Union (IMU)**.
  - **ICTP**: Founded in 1964 by the late **Nobel Laureate Abdus Salam**, it seeks to accomplish its mandate by providing scientists from developing countries with the continuing education and skills that they need to enjoy long and productive careers.
  - **IMU**: It is **an international non-governmental and non-profit scientific organization**, with the purpose of promoting international cooperation in mathematics.
    - It is a **member of the [International Science Council \(ISC\)](#)**.
  - **DST**: The **DST** has **agreed to fund the Prize**, starting with the 2014 Prize.
    - It has been supported by DST **in the memory of [Srinivasa Ramanujan](#)**, a genius in pure mathematics who was essentially self-taught and made spectacular contributions to elliptic functions, continued fractions, infinite series, and analytical theory of numbers.

### ▪ Eligibility & Prize:

- It is **awarded to a researcher from a developing country** who is **less than 45 years of age on 31<sup>st</sup> December** of the year of the award, and who has **conducted outstanding research in a developing country**.
- Researchers **working in any branch** of the mathematical sciences **are eligible**.
- The Prize carries a **USD 15,000 cash award**.

**Srinivasa Ramanujan** //

# The Man who knew Infinity



**Srinivasa Ramanujan Iyengar**

(Best known as S. Ramanujan)

(22 Dec 1887 - 26 April 1920)

- Ramanujan was born on 22<sup>nd</sup> December 1887 in a village Erode (400 km from Chennai, then known as Madras).
- The famous British mathematician **Godfrey Harold Hardy** recognised his talent in 1913. He went to Cambridge, on Godfrey Harold Hardy's invitation.
- Ramanujan made substantial contributions to the **analytical theory of numbers** and **worked on elliptic functions**.
- He also worked on the **partition of the whole number, hypergeometric series** and **Euler's constant**.
- His papers were published in English and European journals, and in 1918 he was elected to the **Royal Society of London**.
- He died on April 26<sup>th</sup>, 1920, at the age of 32, just after returning to India after a long illness.
- In India, **December 22<sup>nd</sup>** is celebrated as **National Mathematics Day** in the memory of **Srinivasa Ramanujan**.

[Source: PIB](#)

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