



May 12 Initiative 2024

# CELEBRATING WOMEN IN MATHEMATICS

at the  
School of Physical Sciences  
Jawaharlal Nehru University



**Maryam Mirzakhani**

May 12, 1977 - July 14, 2017  
Fields Medalist 2014



**Ekata Saha**

IIT Delhi  
Speaker

**Title: Diving into the theory of numbers: the Diophantine equations route.**

**Abstract :** In a broad sense, the classical study of number theory can be split into the study of prime numbers and the study of solutions of Diophantine equations. We will dive into the theory of numbers, taking the Diophantine equations route, and witnessing some of the landmark developments in number theory. If time permits, we will talk about L-functions which presents a way to connect the above two facets of number theory.



**May 2, 2024**



**3:00 pm**



**Seminar Hall, SPS**

- 3:00 - 3:15 pm : Introduction to May 12 Initiative and Women in Mathematics
- 3:15 - 4:15 pm : Talk by Ekata Saha
- 4:15 - 5:15 pm : Film Screenings
  1. Journeys of Women in Mathematics
  2. Alicia Boole in the land of polytopes
  3. Kovalenskaya's spinning top
- 5:15 pm : Tea

**All are welcome**