

Department of Mathematics  
University of Delhi

## **South Campus Colloquium Lectures in Mathematics**

You are cordially invited to a lecture

by

**Prof. Eknath Ghate**

**Tata Institute of Fundamental Research, Mumbai**

on

**The Tau of Ramanujan**

at

**2.30pm**

**Tuesday, 18 February 2025**

In

**Seminar Room 115, Arts Faculty,  
University of Delhi South Campus**

**ABSTRACT:** The sequence of numbers 1, -24, 252, -1472, 4830, ... was extensively studied by the great Indian mathematician Ramanujan almost a century ago. These numbers - the values of Ramanujan's tau-function - have been the guiding force behind several themes in Number Theory. They continue to tantalize us with easy to understand problems some of which are still open today. This talk will be a relaxed introduction to these numbers, and to some related number theoretic objects.

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