ST JOSEPH'S UNIVERSITY
BENGALURU . INDIA

DEPARTMENT OF MATHEMATICS

DEPARTMENT COLLOQUIUM

INTRODUCTION TO GEOMETRIC GROUP THEORY: HYPERBOLIC GROUPS

ABSTRACT: Geometric group theory is the study of groups by associating geometric objects to it. Given a finitely generated group, one can associate a metric space to it, its Cayley graph. When the Cayley graph of a group has a negative curvature, it called a Gromov hyperbolic group. In this talk, we will look at Gromov hyperbolic groups and some of their interesting properties.

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Date: September 17, 2025 (Wednesday)
Time: 3:00 pm
Venue: PG 108