



गणित विभाग
DEPARTMENT OF MATHEMATICS
दिल्लीविश्वविद्यालय, दिल्ली-10007
UNIVERSITY OF DELHI, DELHI – 110007

Cordially invites you to an Invited talk as per following details

- Day and Date** : Wednesday, June 12, 2024
- Time** : 12:00 (noon)
- Venue** : Research Scholar Room (Ground Floor)
Department of Mathematics
University of Delhi
- Title** : Investigation of Gaps problems in Diophantine Approximation
- Speaker** : Dr. Akshat Das
- Affiliation** : Department of Mathematical Sciences
United States Military Academy
New York, U.S.A.
- Abstract** : The classical three gap theorem for rotations on the circle was first proved in the late 1950's and since then it has been proved numerous times using new techniques and generalized in many ways. After giving an insight into the classical result and its related works, an introduction to the field of p-adic numbers and the setting of an adelic torus and a natural generalization of the three gap theorem for rotations on adelic tori will be given. After explaining the reformulation of the problem as a problem about bounding a certain function on a space of lattices, an exhaustive list of examples will be provided to prove that the bound obtained is best possible

HEAD
Department of Mathematics