Title: ~~Heroes~~ Zeros in computational complexity

Speaker: Dr. Anurag Pandey
Date and Time: 23rd Nov, 3:30 PM
Venue: KD101, Kadim Diwan Building

Abstract:

Polynomials have been extensively studied for millennia, owing to their simplicity and pervasiveness. One of the most successful approaches to understanding them is through the study of their zeros. In this talk, we will see some of the connections between the study of zeros of polynomials and the fundamental problems in computational complexity theory, from the perspective of the speaker's research journey so far.

Speaker Bio:

Anurag Pandey completed his PhD at Saarland University and Max Planck Institute for Informatics in Saarbruecken, where he worked with Markus Blaeser. Anurag is broadly interested in various aspects of theory of computation, and most of his current work has been focused on questions in Algebraic Complexity, Geometric Complexity and Derandomization. Prior to starting his PhD, Anurag was an undergraduate at IIT Kanpur. After his PhD, he spent another year in Saarbruecken as a postdoc before briefly working as an assistant professor at IIT Madras.