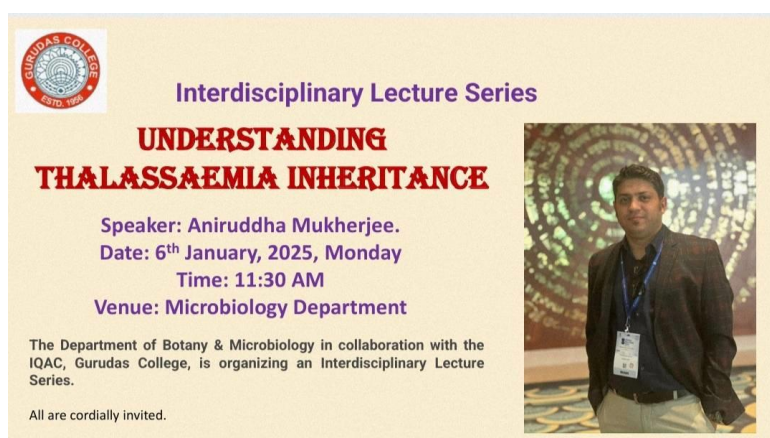


Report on the Inter Disciplinary Lecture organised by the Departments of Botany & Microbiology and the IQAC of Gurudas College on 6th January, 2025.

An Inter Disciplinary Lecture was organised by the Departments of Botany & Microbiology and the IQAC of Gurudas College as part of the Inter Disciplinary Lecture Series on 6th January, 2025. The topic of the lecture was “Understanding Thlassaemia Inheritance.” The Speaker was Mr. Aniruddha Mukherjee, Head, Department of Microbiology, Gurudas College, Kolkata-54.



This lecture was part of the Thalassaemia Awareness and Free Thalassaemia Carrier Detection Test was an initiative that Gurudas College undertook for several years before the pandemic. The free Carrier detection tests started again in June, 2024. However it was seen that students had to be cajoled in giving their blood for the free carrier detection test. Both Botany & Microbiology departmental faculties felt a pressing need to have an interactive session to dispel any myths, stigma or any other factor before organising another Thalassaemia Carrier Detection drive.



The lecture was aimed to provide a deeper understanding of the genetic basis of Thalassemia, its inheritance patterns, and the role of Carrier detection tests in its management. This interdisciplinary talk on the Inheritance of Thalassemia was attended primarily by Life Sciences Major students.

Key Highlights of the Talk

1. Genetic Basis of Thalassemia – The speaker explained the Mendelian inheritance of Thalassemia, emphasizing autosomal recessive transmission and carrier screening.
2. Impact on Human Health – The physiological effects of Thalassemia, including anemia, organ damage, and the need for lifelong medical care, were discussed.
3. Prevention & Awareness – The session highlighted genetic counselling, carrier detection tests before marriage and awareness campaigns to reduce the prevalence of the disorder.
4. The speaker also highlighted the previous initiatives of Gurudas College in Thalassemia Awareness and organising free Carrier Detection Tests



This interdisciplinary session enriched students' understanding of the genetic aspects of Thalassemia. It emphasized the significance of early diagnosis, preventive strategies, and public awareness in managing the disease. The talk successfully fostered collaboration between disciplines, encouraging students to apply their knowledge to real-world health challenges.

