

DEPARTMENT OF ANATOMY

EVENT: Guest Lecture-“*Cracking the Code. A Guide to Medical Genetics for Health Care Professionals*”

Guest speaker: Dr. M. Guruprakash MBBS., AFIH.,
Occupational Physician and Medical Director,
TVS Sundaram Fasteners Limited, Madurai

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The guest lecture on “*Cracking the Code. A Guide to Medical Genetics for Health Care Professionals*” was conducted by department of anatomy .distinguished expert the session delved into both foundational principles and emerging trends in genetics, making it highly relevant for undergraduate students alike. The lecture began with an overview of classical Mendelian genetics and gradually transitioned into more advanced topics such as chromosomal abnormalities, gene mutations, genetic mapping, molecular genetics, and the role of epigenetics in gene regulation. A significant highlight of the session was the discussion on modern genetic technologies such as, genome editing, and their potential applications in disease treatment, agriculture, and personalized medicine. The resource person effectively simplified complex genetic concepts with the help of real-life examples, illustrations, and current research findings, ensuring better understanding among students. The session also included a Q&A segment, during which students actively participated, posed thought-provoking questions, and engaged in scientific discussions. It not only deepened their conceptual clarity but also inspired many to consider research and careers in genetics and biotechnology. The lecture was well-organized, informative, and tailored to complement the academic curriculum while introducing recent scientific advancements. Overall, the guest lecture was a valuable addition to the academic program and was met with enthusiastic feedback and appreciation from students and faculty members. We would like to thank our chairperson, secretary and dean for making this event a success

