



DCT's Dhempe College of Arts & Science, Miramar Goa

DEPARTMENT OF ZOOLOGY

Report on "Emerging Technologies in Healthcare and Diagnostics"

One-day workshop held on 25th February, 2025 under DBT Star College Scheme

Objective: The objective of the workshop was to introduce students to emerging technologies in healthcare and diagnostics. To demonstrate the working of Truelab Real-Time Quantitative Micro PCR System, the Prorad Atlas Ultraportable X-ray System with AI for medical imaging, and Thermalytix for non-invasive breast cancer screening, providing students with hands-on experience.

Report: Department of Zoology under DBT Star College scheme organized a one-day workshop on 'Emerging Technologies in Healthcare and Diagnostics' on 25th February, 2025. Dr. Shivraj Bhoite, Senior Manager at Mol Bio Diagnostics Private Limited, Verna, Goa was the resource person for the workshop. A total of 40 students attended the session. The participants included the first year, second year and third year BSc students and the faculty members. The workshop included a theory session in the morning, where the resource person spoke about advances in healthcare and diagnostic technologies. He also introduced the Molbio industry to the students. In the practical session, Dr. Shivraj and his team explained and demonstrated three instruments used for diagnostic purposes: the Truelab Real-Time Quantitative Micro PCR System, the Prorad Atlas Ultraportable X-ray System with AI for medical imaging, and Thermalytix for non-invasive breast cancer screening. Demonstrations were conducted for all three instruments, and students had the opportunity to use them as well. The team provided insights into the working of the instruments and their benefits in the healthcare industry. The session was engaging and highly interactive.

Outcome: Students gained knowledge about emerging healthcare and diagnostic technologies, including their applications and significance in modern medicine. Participants had the opportunity to interact with advanced diagnostic instruments, enhancing their practical understanding of real-world medical technology. Through demonstrations and hands-on

sessions, students learned the working principles of the Truelab Micro PCR System, Prorad Atlas X-ray System, and Thermalytix, improving their technical competency.

Photographs of the workshop:



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