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DHEMPE COLLEGE OF ARTS & SCIENCE
MIRAMAR, GOA

DEPARTMENT OF BIOTECHNOLOGY
REPORT ON THE TWO-DAY INTERNATIONAL SEMINAR – “EXPLORING NEW FRONTIERS IN BIOSCIENCES” FOR THE ACADEMIC YEAR 2024-25

The Departments of Microbiology and Biotechnology, St. Xavier's College, in collaboration with the Microbiologists' Society, India (MBSI) and Internal Quality Assurance Cell (IQAC) had organized an International Seminar - "Exploring New Frontiers in Biosciences" on 23rd and 24th January 2025.

Day 1 of the seminar began with the registration followed by the inaugural. Dr. Satish Shetye, Vice Chancellor (Retd.), Goa University; Director (Retd.), NIO, Goa, the Chief Guest of the seminar addressed the gathering in the presence of other dignitaries. Inaugural was then followed by the first guest lecture of the day by Prof. Srikanth Mutnuri Department of Biological Sciences, Dean, International Programmes and Collaboration Division; BITS-Pilani, Zuarinagar, Goa who delivered a lecture on the topic Decentralized Wastewater Treatment System wherein various strategies to manage the wastewater were discussed.

The second session of the day was delivered by Dr. Satish Shetye on the topic "Impact of Summer Monsoon on Indian Estuarine Ecosystems and Biodiversity" wherein various parameters of climate change were discussed. The last lecture of the day on the topic of Applications of Nanotechnology in Microbiology was delivered by Dr. Prabu D. Head In Charge, Department of Microbiology, University of Madras, Tamil Nadu.

The first day of the seminar was concluded with a poster presentation by Undergraduate students, postgraduate students, and Ph.D scholars from various institutes in India and UK.

Day 2 of the seminar began with an amazing topic on "The AI Advantage – How AI Drives Scientific Breakthroughs in Health and Technology" by Prof. Momna Hejmadi Professor, Department of Life Sciences, University of Bath, United Kingdom.

The second topic for the day was on the "Use of Animal Models for Quality Research in Life Sciences" by Dr. Prabu D.

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This session was followed by an Oral presentation by various graduates, postgraduates, and research scholars from various institutes in Goa as well as from Hyderabad. Later, Prof. Momna Hejmadi delivered a talk explaining Three Reasons to Choose a Career in the field of science.

This two-day seminar came to an end by a formal valedictory function with a sense of accomplishment and increased knowledge among all participants. The seminar also highlighted the importance of interdisciplinary collaboration, encouraging further dialogue on how science can address real-world problems.

The insights gained will undoubtedly influence ongoing and upcoming scientific endeavors.



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