



ST. XAVIER'S COLLEGE, MAPUSA GOA

Report of Activity conducted in the Academic Year 2024-25

Name of Activity	Online Student Exchange Program between St. Xavier's College, Mapusa and St. Francis College for Women, Hyderabad
Date/Duration	21 st March, 27 th March, 1 st April, and 3 rd April, 2025 1 hour session per day
Venue	Online through Google Meet platform
Name of organizing Department/Cell	Department of Microbiology, St. Xavier's College
In collaboration with	in collaboration with Department of Microbiology, St. Francis College for Women, Hyderabad
Name/s of Faculty Co ordinator	Ms. Ursula Barreto
Stratum of Event	National
Name & details of Resource Person/s if any	Dr. V. Gayatri, Dr. Nadine de Souza, Dr. Trelita de Sousa
Report	<p>St. Xavier's College, Mapusa, partnered with St. Francis College for Women, Hyderabad, to conduct an online student exchange program. The primary aim of the program was to strengthen academic ties, provide intellectual enrichment, and facilitate knowledge sharing among undergraduate students from both institutions.</p> <p>The inaugural session on March 21, 2025, featured Dr. V. Gayatri, Associate Professor at St. Francis College for Women, as the guest speaker. Dr. Gayatri delivered an engaging lecture titled "<i>E-Waste Management and Micro-Remediation</i>". She addressed the pressing issue of electronic waste disposal and introduced innovative microbial degradation techniques, including plasmid-based remediation strategies. The session was attended by 47 students of SYBSc and 10 students of TYBSc Biotechnology from St. Xavier's College, Goa.</p> <p>The second session, held on March 27, 2025, was attended by 36 FYBSc students from St. Xavier's College, Goa. Dr. Gayatri once again captivated the audience with a session titled "<i>3D Printing in Foods – An Overview</i>". She provided a comprehensive introduction to the emerging field of 3D food printing, highlighting its applications in the food and aerospace industries. The session included a detailed explanation of the 3D printing process, types of printable foods, and associated nutritional implications.</p> <p>On April 1, 2025, the third session was led by Dr. Nadine de Souza, Assistant Professor in the Department of Microbiology at St. Xavier's College. Her session, "<i>Gut Instincts: How Microbes Shape Your Health and Mind</i>," explored the intricate role of the gut microbiome in maintaining both physical and mental health. Dr. Nadine also shared</p>

	<p>insights into how diet and lifestyle can be leveraged to positively influence the gut microbiota. This session was attended by 34 students from St. Francis College, Hyderabad.</p> <p>The final session, conducted by Dr. Trelita de Sousa, Assistant Professor in the Department of Microbiology at St. Xavier's College, took place on April 3, 2025. Her presentation, "<i>Microplastic Pollution: The Big Threat</i>," eloquently addressed the environmental and health risks posed by microplastics. Dr. Trelita emphasized the urgent need for mitigation strategies and discussed actionable solutions to combat this growing threat. 18 students from St. Francis College, Hyderabad, actively participated in this session as well.</p> <p>The exchange program proved to be a valuable learning experience for students and faculty alike. It fostered a spirit of collaboration, promoted interdisciplinary learning, and laid a strong foundation for future academic interactions between St. Xavier's College, Mapusa, and St. Francis College for Women, Hyderabad.</p>
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Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/SY.pdf
List of participants with signatures	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/SYBSc-attendance-sheet.pdf https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/FYBSc-Attendance-sheet.pdf
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