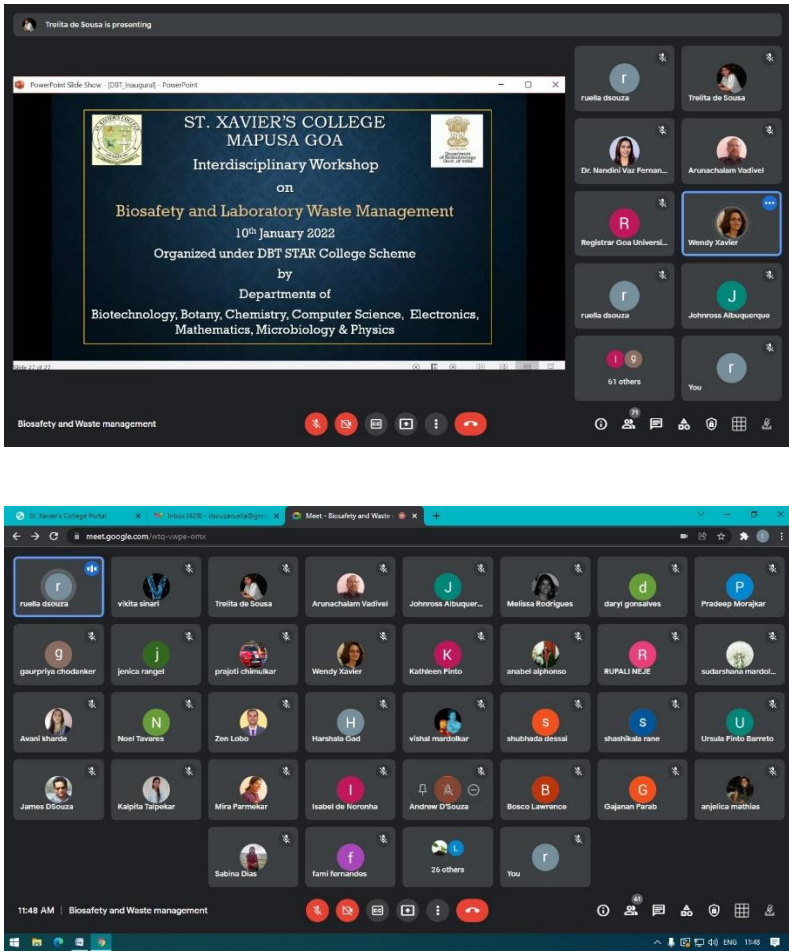




ST. XAVIER'S COLLEGE, MAPUSA GOA

College with Potential for Excellence
 Re accredited by NAAC with A Grade
 Awarded DBT STAR College Scheme

Nature of Event (Workshop, Guest Lecture, Add-on Course, Seminar, etc.)	Interdisciplinary Workshop
Name of Department	Biotechnology, Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics
Faculty In-charge	Ms. Ursula Barreto
Stratum of Event (College, State, Regional, National)	College
Title of Event	Interdisciplinary workshop on "Biosafety and Laboratory Waste Management"
Date of the Event	10 th January, 2022
Venue	Online via GoogleMeet
Resource Person details	Dr. Mira Parmekar, Ms. Vikita Sinari, and Ms. Jocelyn Fernandes
Objective/ Scope of Event	To sensitize faculty members towards safe management and disposal of laboratory waste and review existing protocols for the same
Particulars of Event	<p>The workshop comprised three technical sessions: Segregation and Safe Disposal of Chemical Waste; Segregation and Safe Disposal of e-waste; and Biosafety Ethics for Humans and Animals presented by Dr. Mira Parmekar, Ms. Vikita Sinari, and Ms. Jocelyn Fernandes, respectively.</p> <p>Dr. Mira introduced the concept of chemical waste from laboratories and their classification. She encouraged the adoption of the four Rs (refuse, reduce, reuse, and recycle) to reduce the generation of campus waste and elucidated both general specific guidelines for segregation and disposal of liquid and solid chemical waste and glassware. She suggested the storage of the waste in appropriately labelled containers and recommended that the college must tie up with government approved waste handling facilities to help treat, manage, and dispose off the waste.</p> <p>Ms. Vikita Sinari illustrated the current state-wise generation of e-waste in India and explained the hazardous effects of e-waste and the need to properly segregate and safely dispose off this waste. She propagated the concept of reusable reuse and recycle of e-waste and outlined 4 steps towards its management: 1) Collection; 2) Safe storage; 3) Sorting ; and 4) Segregation of hazardous waste and disposal. She also</p>

	<p>recommended the proper documentation of every equipment / material to be scrapped. She emphasised the need to create a team to scrutinise the e-waste and raise general awareness of the toxic materials constituting e-waste.</p> <p>Ms. Jocelyn Fernandes explained the concepts of biosafety and bioethics. She briefly described the 4 levels of biosafety, the associated risk groups, containment levels, and the corresponding laboratory safety practices to be followed. She elucidated guidelines for biosafety in terms of personnel protection, safety procedures, laboratory design, and equipment handling. She recommended steam sterilization for decontaminating microbial waste and physical / biological containment of plant waste, followed by safe disposal of the same.</p>
<p>Outcome of Event</p>	<p>The presenters very comprehensively and lucidly elucidated the guidelines for identification, segregation, and disposal of chemical, biological, and e-wastes.</p>
<p>Feedback</p>	<p>Lucid presentation and very relevant discussion</p>
<p>Total No. of Participants</p>	<p>83</p>
<p>Photographs</p>	 <p>The top screenshot is a Zoom meeting window showing a presentation slide. The slide text reads: "ST. XAVIER'S COLLEGE MAPUSA GOA Interdisciplinary Workshop on Biosafety and Laboratory Waste Management 10th January 2022 Organized under DBT STAR College Scheme by Departments of Biotechnology, Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology & Physics". The Zoom interface shows a grid of participants on the right, with 61 others listed.</p> <p>The bottom screenshot is a Zoom meeting window showing a grid of 83 participants. The meeting title is "Biosafety and Waste management". The time is 11:48 AM. The interface shows a grid of participant avatars and names, including Ruella d Souza, Vikita sirani, Treilza de Sousa, Anunachalam Vadivel, Johross Albuquerque, Melissa Rodrigues, daryl gonsalves, Pradeep Morajkar, gaupriya chodankar, Jenica rangal, prajoti chankurkar, Wendy Xavier, Kathleen Pinto, anabel alphonso, RUPALI NEJE, sudarshana mand..., Avani sharda, Noel Teravns, Zen Lebo, Harshita Gad, Vishal mandlikar, shubhada dossal, shashikala rane, Ursula Pinto Barreto, James D'Souza, Kapita Tapakar, Mira Parmekar, Isabel de Noronha, Andrew O'Souza, Bosco Lawrence, Gajanan Parso, anjelica matias, Sabina Dias, fami fernandes, and 25 others.</p>