



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, Addon Course, Seminar, etc.)	Faculty Training Workshop
Name of Department	Microbiology
Faculty In-charge	-
Stratum of Event (College, State, Regional, National)	State
Title of Event	DBT BUILDER Bioprocess Technology Workshop
Venue	BITS Pilani, K K Birla Goa Campus
Date of Event	20 th - 22 nd February 2024
Resource Person details	Mr Paraj Malayekar
Objective/Scope of Event	To provide insight into the operation and hands-on experience in handling various bioprocessing instruments and SOP
Particulars of Event	<p>The DBT BUILDER Bioprocess Technology Workshop was held at BITS Pilani, K K Birla Goa Campus on 20th - 22nd February 2024.</p> <p>It was attended by faculty members Ms Ruella Dsouza (Department of Microbiology) and Dr Andrew Dsouza (Department of Chemistry) and students Mr Assad Shaikh and Mr Kshitij Kumar from the Department of Microbiology. The resource person for the 3-day workshop, Mr Paraj Malayekar adeptly demonstrated the practical use of various instruments essential in bio-process technologies.</p> <p>Fermenters, centrifuges and chromatography and filtration systems including High-Performance Liquid Chromatography (Preparative HPLC) and advanced technologies like FPLC, Tangential Flow Filtration System and continuous centrifuge systems were demonstrated and handled by the participants.</p> <p>The standard operating protocols for the above instruments was discussed and purification runs were conducted of various samples. Data obtained was analyzed and discussed. The sessions were interactive and enlightening.</p>
Outcome of Event	The participants learnt the SOP's of Fermenters, Centrifuge, HPLC, and FPLC and were able to assemble, run and perform basic troubleshooting in

	operation and handling of the various equipment.
Feedback	The workshop introduced the participants to a dynamic array of bioprocess equipment and allowed handling and running of purification runs.
Total No. of Participants	2 students and 2 Teachers
Photographs	

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