



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.)	Field Trip
Name of Department	Biotechnology
Faculty In-Charge	Ms. Anabel Alphonso
Stratum of Event (College, State, Regional, National)	College
Title of Event	Field Trip to PQS Training Laboratory in Verna
Date of Event	7 th April 2022
Venue	PQS Training Laboratory in Verna, Goa
Resource Person details	Dr. Prashant Phanasekar and Mrs. Poonam Naik
Objective/ Scope of Event	The primary aim of the visit was to gain information about the various bioanalytical instruments used in the pharmaceutical industry.
Particulars of Event	<p>PQS Training Laboratory, a training centre founded 3 years ago, helps bridge the gap between the academic skill set and industrial expectations in the pharmaceutical industry. Hands-on practical experience is provided unlike university courses that focus mainly on the theoretical aspect. Students are trained to use various scientific instruments that are found while working in a pharmaceutical company.</p> <p>The visit commenced with a short talk on “Career Options in the Pharmaceutical Industry” by Dr. Prashant Phanasekar. He explained the four main processes that make up the pharmaceutical industry – discovery of a drug, development, production and marketing. He also introduced the various key aspects of the pharmaceutical industry – types of dosage, types of products, top companies and patents. He then covered, in great detail, the jobs available in the pharmaceutical industry.</p> <p>This was followed by a short tour of their labs. Dr. Prashant gave the students a tour of the analytical instruments and</p>

	<p>explained the principle behind the working of each instrument. It was an interactive session wherein all their doubts were promptly answered by Dr. Prashant. The bioanalytical instruments seen were – UV Spectrometer, Infrared Spectrophotometer and HPLC. Their role in the pharmaceutical industry was also explained. Mrs. Poonam gave them a tour of the wet lab. She explained the working of each apparatus. KF Titrator, Dissolution Tester, Friabilator, Sonicator, Disintegration Test Apparatus and Digital Density Meter were some of the instruments we had not seen before. She also described the use of each instrument in the rigorous testing of tablets.</p>
Outcome of Event	<p>This industrial visit provided the students with immense insight into the in-depth work done in the pharmaceutical industry. It also broadened their idea of available job prospects upon the completion of a degree in Life Science.</p>
Feedback	<p>Good. Field trip was informative.</p>

Total No. of Participants	32
Photographs	



Ms. Anabel Alphonso
Co-ordinator, Department of Biotechnology