



## ST. XAVIER'S COLLEGE, MAPUSA GOA

### Report of Activity conducted in the Academic Year 2024-25

<b>Name of Activity</b>	Value-Added Course: <b>Chemistry in Daily Life</b>
<b>Date/Duration</b>	4 Hours (26 <sup>th</sup> March 2025 and 2 <sup>nd</sup> April 2025)
<b>Venue</b>	St. Xavier's College, Science Building, Class Room No. 210 for theory sessions and Physical Chemistry Lab for practical sessions
<b>Name of organizing Department/Cell</b>	Department of Chemistry
<b>In collaboration with</b>	
<b>Name/s of Faculty Coordinator</b>	Dr. Johnross V. Albuquerque, Mr. Clarence Rodrigues and Dr. Rheane Da Silva
<b>Stratum of Event</b>	FY BSc College students
<b>Name &amp; details of Resource Person/s If any</b>	Dr. Johnross V. Albuquerque, Mr. Clarence Rodrigues and Dr. Rheane Da Silva
<b>Report</b>	<p>The Department of Chemistry, St. Xavier's College, successfully conducted a certificate course on "Chemistry in Daily Life" for students. The course aimed to highlight some of the the practical applications of chemistry in everyday life such as concept of pH, indicators, cosmetics and perfumes.</p> <p>The course was conducted for 2 days, 26<sup>th</sup> March 2025 and 2<sup>nd</sup> April 2025 from 12:00 p.m. onwards in class room 210. On the first day, the resource person: Mr. Clarence Rodrigues, Assistant Professor from Department of Chemistry gave a brief description of the concept of pH, indicators, pH scale and how pH is computed. The lab session on that day was taken by Mr. Clarence Rodrigues and Dr. Johnross Albuquerque who first demonstrated the color changes that occur to indicators in different pH media. The students were then divided into groups and they found out the titration end points using different indicators. The second session was on Cosmetics and Perfumes, taken by Dr. Rheane Da Silva who gave a session on the mentioned topics with deeper understanding of the fundamentals behind making perfumes, soaps, paints, etc. The lab session included making of different paints using natural components wherein different natural colors were synthesized.</p> <p>Students appreciated the course's interactive approach, which included hands-on activities, discussions, and expert lectures. They expressed a newfound appreciation for the significance of chemistry in their daily lives. The certificate course on "Chemistry in Daily Life" was a resounding success, providing students with a unique perspective on the practical applications of chemistry. The course's interactive approach and expert guidance made it an engaging and enriching experience for the</p>

	participants. About 28 participants enrolled for the course.
<b>Brochure/Poster</b>	<a href="https://xavierscollegegoa.ac.in/wp-content/uploads/2025/05/VAC-Course-Chemistry-in-Daily-Life-Certificate-template.pdf">https://xavierscollegegoa.ac.in/wp-content/uploads/2025/05/VAC-Course-Chemistry-in-Daily-Life-Certificate-template.pdf</a>
<b>Photographs</b>	<a href="https://xavierscollegegoa.ac.in/wp-content/uploads/2025/05/DAY-1_1.pdf">https://xavierscollegegoa.ac.in/wp-content/uploads/2025/05/DAY-1_1.pdf</a>
<b>List of participants With signatures</b>	NA
<b>Certificate</b>	NA