



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.)	Guest Lecture
Name of Department	Chemistry
Faculty In-Charge	Ms. Kathleen Pinto, Dr. Andrew D'Souza and Dr. Johnross Albuquerque
Stratum of Event (College, State, Regional, National)	College
Title of Event	"Soft Core Vs Hard Core Chemistry in the light of Education Foresight"
Date of Event	13 th January 2024
Venue	Conference Hall Post Graduate Block of St Xavier's College
Resource Person details	(1) Ms. Havana Kay Carmel Menezes Research Scholar Wageningen University & Research Centre Netherlands (2) Mr Leo Francisco Blaise D'Souza Research Scholar School of Chemical Sciences Goa University
Objective/ Scope of Event	To educate students on soft core and hard core Chemistry
Particulars of Event	Ms. Havana Kay Carmel Menezes gave a discourse on educational foresight about studying in Netherlands and abroad. She also shared a lot of her educational experiences, to mention a few: (1) about her master's program (at Wageningen University & Research Centre, Netherlands), (2) research thesis in Dubai where she did soil analysis for salinity levels under date palm trees and (3) as a member of a consultancy group project in Valencia where she analysed the irrigation efficiencies and soil water content in citrus orchards. Mr. Leo Francisco Blaise D'Souza delivered an inspiring talk on Core Chemistry in everyday life. He began the historical tale on how alchemists endeavored to transform 'base metals' such as lead into 'noble metals' like gold, and to create elixirs to cure disease and extend life, which eventually led to modern chemistry: the isolation of drugs from natural sources, metallurgy, and the dye industry. He then highlighted how chemistry continues to deepen our understanding and improve our ability to harness and control the behaviour of matter. He also spoke about the chemistry that is associated with our everyday life such as how sunlight plays an important role in the

	conversion of cholesterol to vitamin D in the body as well as the role various chemical interactions play in saturated fats existing as a solid and unsaturated fats as a liquid. A glimpse into the opportunities in the future of chemistry was also presented, with an emphasis on sodium ion batteries developed in India by KPIT technologies Private Limited.
Outcome of Event	Students learnt about various opportunities abroad, how soft and hard core chemistry is related to every aspect of our lives
Feedback	The session was well received by all and appreciative comments came in from the participants.

Total No. of Participants

62

Photographs

