



## ST. XAVIER'S COLLEGE, MAPUSA GOA

College with Potential for Excellence

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
<b>Nature of Event</b> (Workshop, Guest Lecture, Add-on Course, Seminar, etc.)	Interdisciplinary Science Exhibition
<b>Name of Department</b>	Departments of Biotechnology, Botany, Computer Science, Chemistry, Electronics, Mathematics, Microbiology & Physics
<b>Faculty Incharge</b>	Ms Ursula Barreto
<b>Stratum of Event</b> (College, State, Regional, National)	State level
<b>Title of Event</b>	Exhibition of Interdisciplinary Innovations on National Science Day
<b>Date of Event</b>	28 <sup>th</sup> February 2024
<b>Venue</b>	St. Xavier's College
<b>Resource Person details</b>	Not applicable
<b>Objective/ Scope of Event</b>	<ul style="list-style-type: none"><li>• To generate interest in Science among school students.</li><li>• To promote scientific curiosity among school students.</li><li>• To introduce school students to options for higher studies in Science.</li></ul>
<b>Particulars of Event</b>	All the science departments engaged students of FY, SY, and TY in conceptualizing and conducting interdisciplinary activities including quiz, scientific games, experiments, models, and exhibits for National Science Day 2024 covering topics of different interests in the field of science, including Newtons rings , Surface Tension of water and soap solution by Capillary rise method, Demonstration of waveforms using CRO, Fizzy Potions, Changing Water to Wine, Golden rain, Electronic Dice, Vehicle parking system using RFID, Intruder Alarm, Exploration of plant life such as Sea weeds, Biodiversity and conservation efforts, Plant Tissue culture, Advances in Biotechnology, Fingerprint Analysis, Blood grouping, Microorganisms on the human body, Effect of antibiotics on bacteria, Fermented drink – Kanji, Voice recognition using ML and AI, Visual guardian App for visually impaired persons using ML and NLP, Line Follower robot, Puzzle solving and card games, mathematics involved in tricks, and mathematics in everyday life.

<b>Outcome of Event</b>	School students were seen engrossed in lab activities and were most excited to learn about the experiments on display.
<b>Feedback</b>	School students were happy with first-hand experience in the labs and many requested to have them visit the labs again.
<b>Total No. of Participants</b>	400+ school students

**Photographs**



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