



ST. XAVIER'S COLLEGE, MAPUSA GOA

College with Potential for Excellence
Re accredited by NAAC with A Grade
Awarded DBT STAR College Scheme

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|---|---|
| Nature of Event (Workshop, Guest Lecture, Add on Course, Seminar, etc.) | Outreach Program for Schools |
| Name of Department | Departments of Biotechnology, Botany, Computer Science, Chemistry, Electronics, Mathematics, Microbiology & Physics |
| Faculty Incharge | Ms Ursula Barreto |
| Stratum of Event (College, State, Regional, National) | State level |
| Title of Event | Xavier's Open Lab Day |
| Date of Event | 28 th February 2024 |
| Venue | St. Xavier's College |
| Resource Person details | Not applicable |
| Objective/ Scope of Event | <ul style="list-style-type: none">• To generate interest in Science among school students.• To promote scientific curiosity among school students.• To introduce school students to options for higher studies in Science. |
| Particulars of Event | <p>Several activities including quiz, scientific games, experiments, models and exhibits were organized by each of the 8 science departments of the college covering topics of different interests in the field of science.</p> <p>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.</p> |

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

Photographs

ST. XAVIER'S COLLEGE, MAPUSA - GOA
Under the DBT STAR COLLEGE SCHEME presents
Xavier's Open Lab Day
 28th February 2024

Inviting school students to explore Science Laboratories on campus
 Biotechnology, Botany, Chemistry, Computer Science, Electronics,
 Mathematics, Microbiology & Physics

"Science for a Sustainable Future"

NATIONAL SCIENCE DAY CELEBRATION





GPS Map Camera



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