



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.)	Multidisciplinary National Seminar
Name of Department	Biotechnology Chemistry, Computer Science, Electronics, Mathematics, Microbiology and Physics
Faculty In-Charge	Prof. Teotone Vaz
Stratum of Event (College, State, Regional, National)	National
Title of Event	Emerging Trends in Science and Technology: A Multidisciplinary Approach”
Date of Event	3 – 4 th March 2023
Venue	College Seminar Hall and PG block lobby, St. Xavier's College, Mapusa.
Objective/ Scope of Event	Crossing disciplinary boundaries with resource persons from across different disciplines so that students will be able to gauge what can't be seen or done adequately within the substantive and methodological confines of a discipline which will spur interdisciplinary research

<p>Particulars of Event</p>	<p>To commemorate the Diamond Jubilee of St. Xavier's College, Mapusa Goa, a two-day National Seminar on 3 – 4th March 2023 was jointly organised by the Departments of Biotechnology, Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology and Physics under the DBT Star College Scheme. The theme of the seminar was “Emerging Trends in Science and Technology: A Multidisciplinary Approach”. The Chief Guest of the Inaugural was the Honorable Vice Chancellor of Goa University Professor Harilal Menon. The other dignitaries at the dais were Fr. Lucio Dias, President, The Diocesan Society of Education, Dr. Ravidas Naik, Keynote Speaker from the National Centre for Polar and Ocean Research, Vasco-da-Gama, Fr Antonio Salema Administrator of St Xavier's College, Vice Principals Ms. Ursula Barreto and Ms. Sandra Fernandes and Professor Teotone Vaz, Convenor of the Seminar. The first technical session of the day was delivered by Mr. Vinod Dharashive, Vice-President-Engineering, Kore.ai, Hyderabad, Telangana on the topic “Voice bots and Conversational AI”. The second technical session of the day was by Dr. Amit Vernekar, Senior Scientist, CSIR-Central Leather Research Institute (CLRI), Chennai, Tamil Nadu. He spoke on “Functional Roles of Elements for Transport and Catalysis in Biological Systems”. The third technical session on the theme “Blockchain and Its Applications” was delivered by Mr. Vinod Dharashive. The first two technical sessions of day two were delivered by Prof. Utpal Tatu, Chairman, Department of Biochemistry, Indian Institute of Science, Bengaluru on the topic “Neglected Infectious Diseases” and “Proteomics and applications of Mass Spectroscopy”. The third technical session of the day by Dr. Amit Vernekar was on “Bioinspired Materials and Enzyme Mimetics for Advanced Applications”. V Arunachalam Scientist ICAR, was Chief Guest for the valedictory program. A poster session was conducted, there were 42 poster presenters, 21 from undergraduate and 21 from postgraduate programs. Awards were given for best posters 3 for undergraduate and 3 for postgraduate research work. Posters on “Phenol and benzoate degrading bacteria from Cumbarjua Canal, Goa, India” by Shania Moraes, PES, “Synthesis of NiNd Fe O Spinel Nanoferrites System and their Catalytic application” by Aachal Gawandi, St Xaviers College, “Probiotic approach towards Goan fermented pickles” by Shirodkar S., Government College of Arts, Science and Commerce, Khandola, Marcela – Goa, “Bioactivity of manganese oxide nanoparticles” by Yuga Ghotge from St Xaviers College, “Fitness monitoring system” by R D'Souza, St Xaviers College, “Newly designed natural catalyst towards synthesis of biologically important compounds” by Vandita Haldankar Dynanprassarak Mandal Assagao were declared winners.</p>
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Outcome of Event	Encouragement for Interdisciplinary studies to lead to application for minor and major research projects
Feedback	Good
Total No. of Participants	357

Photographs:



