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CATALYST

HIGHLIGHTS

- Outreach Programme conducted by the Department
- Top ranks secured in GU-ART Chemistry Examinations
- Student participation in ChemScope
- Session on Carbon Quantum Dots by RDC
- Dr. Manjita R. Porob & Dr. Lactina Gonsalves at NFLP
- Project work at Kalpak
- Awareness on recycling & sustainable waste management
- Poster presentations at Prerna Diwas (National Science Day)

IGNITING CURIOSITY, INSPIRING INNOVATION, AND SHAPING THE FUTURE OF SCIENCE

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GU-ART CHEMISTRY ACHIEVERS 2025–26

The Department of Chemistry proudly congratulates its students for their outstanding performance in the GU-ART Chemistry examinations 2025–26. This achievement reflects the dedication, hard work, and academic excellence of our students.

We are especially proud of Artha Sudeep Karmali, who secured Rank 1, and Enosh Dominos Barreto, who achieved Rank 6, bringing great pride to the department.

Other toppers including Saili Shirodkar, Krisha Subhash Naik, Ayush Naik, Nicole Emily D'Silva, Amrah Shaikh, and many more also secured commendable ranks, contributing to this collective success. These accomplishments highlight the department's strong academic environment and commitment to excellence.

SPREADING JOY THROUGH OUTREACH

A community outreach initiative was conducted at Chetana Educational Trust School for Special Children and Sneha Mandir Old Age Home, involving 17 students and 5 faculty members. At the special school, students engaged children through fun chemistry experiments, dance, games, and motivational videos, and distributed stationery kits to 180 students. At the old age home, they organized cultural performances, interactive games, and shared handmade cards and flowers with 35 elderly residents. The programme was a heartwarming experience that fostered joy, empathy, and meaningful connections across generations.

OUTSTANDING PERFORMANCE AT CHEMSCOPE 2026

Students of the Department of Chemistry participated in CHEMSCOPE 2026, a state-level intercollegiate event for undergraduate B.Sc. Chemistry students held at St. Xavier's College, Mapusa-Goa on 12th March 2026. The one-day event provided a platform for students to showcase their knowledge, skills, and creativity in Chemistry while promoting interest in higher studies and research.

Our students delivered an exceptional performance, securing 1st place in Reel and Chemtok, and 2nd place in Lab Experiment, Chem Masketeers, and Dance. This remarkable achievement highlights the talent, enthusiasm, and academic excellence of the department.

INSIGHTFUL SESSION ON CARBON QUANTUM DOTS

The Research and Development Cell (RDC) of Parvatibai Chowgule College of Arts and Science organized a talk on “Carbon Quantum Dots: New Frontier in Material Science” on 23rd February 2026 at the Lower Auditorium for Third Year B.Sc. students and faculty members.

The session was delivered by Dr. Sandesh Bugde, Assistant Professor at the School of Chemical Sciences, Goa University, who highlighted the synthesis, properties, and applications of carbon quantum dots in modern research.

The talk provided valuable insights into emerging trends in material science and was well-received by the audience. The event was coordinated by Swati Ghadi under the guidance of Dr. Manjita Porob and Dr. Ashish Desai.

ACHIEVEMENT IN NURTURING FUTURISTIC LEADERSHIP PROGRAMME

Dr. Lactina Gonsalves attended the Nurturing Future Leadership Program (NFLP) held at Goa Institute of Management from 9th to 13th February 2026 under the Malaviya Mission Teacher Training Programme of the Ministry of Education, Government of India. The programme focused on fostering visionary leadership and future-ready competencies in response to emerging global challenges.

Dr. Manjita R. Porob participated in the prestigious Nurturing Futuristic Leader Programme (NFLP), held at the Goa Institute of Management in collaboration with the Government of India from 9th–13th March 2026. Her group secured First Place for their presentation, “Cultivating Lifelong Learning in an AI-Driven World.” The programme enhanced her leadership, strategic thinking, and academic skills.

INNOVATIVE RESEARCH IN SUSTAINABLE CHEMISTRY AT KALPAK 2026

Students of the Department of Chemistry, Parvatibai Chowgule College of Arts and Science, participated in KALPAK 2026 organized by the Directorate of Higher Education, Goa, on 5th March 2026. Out of 90+ entries, one project was selected for presentation. The project, “Advanced Valorization of Fish Waste: Extraction and Functional Modification of Marine Collagen for Environmentally Sustainable Applications,” focused on sustainable waste utilization.

Guided by Dr. Manjita Porob, the team’s work was well appreciated by experts and provided valuable exposure to current research trends. The participation brought recognition to the students and highlighted the academic excellence of the department.

ORAL PRESENTATION ON COCRYSTALS AT INTERNATIONAL CONFERENCE

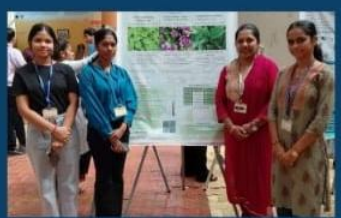
Dr. Padmini Raiker delivered an oral presentation on "Design and Characterization of Novel Fluconazole Cocrystals Using Myristic Acid and Caffeine as Coformers" at the 2-Day International Conference on "Green Chemistry and Smart Nanomaterials for Sustainable Development", held from 27th–28th February 2026. The work presented was based on a T.Y. B.Sc. project carried out under her guidance.

The conference was organized by the Yashavantrao Chavan Institute of Science, Department of Chemistry, Satara, Maharashtra, and provided a platform to showcase innovative research in green chemistry and sustainable materials.

CHEMISTRY DEPARTMENT HOSTS WORKSHOP ON SOLID WASTE MANAGEMENT

The Department of Chemistry, in collaboration with the Goa Waste Management Corporation, organised a Workshop on "Solid Waste Management" on 4th May 2026 at 2.00 p.m. in the Lower Auditorium for the students of the Department of Chemistry.

The resource person, Dr. Rajath Chitari, delivered an informative session on waste segregation, recycling, and sustainable waste management practices. The workshop created awareness among students about environmental conservation and responsible waste disposal.

CHEMISTRY STUDENTS SHOWCASE INNOVATION AT PRERNA DIWAS

On 28th February 2026, in observance of National Science Day, the Department of Chemistry actively participated in Prerna Diwas. As part of the celebrations, seven project groups presented well-curated and informative posters, showcasing their research work, innovative ideas, and scientific understanding. The presentations reflected the students' dedication, creativity, and ability to communicate complex concepts in an engaging and visually appealing manner, making the event both educational and inspiring.