Annual Report of the Science Department for the Academic Year 2022-2023

Introduction

The Department of Science has successfully completed another academic year (2022-2023) marked by significant achievements in academics, co-curricular activities, and faculty contributions. The report consolidates data from both odd and even semesters to highlight our progress.

Department Overview

The Department of Science, established in 2017, offers various programs, including BSc PCM, BSc PMCs, BSc Mathematics, BSc Computer Science, BSc Physics, and BSc Chemistry. The examination system follows the Semester CBCS & NEP structure. The department is equipped with 8 classrooms with ICT facilities, 4 student laboratories, internet access for staff and students, and a departmental library. This infrastructure supports a conducive learning environment, fostering academic excellence and research.

Faculty Details

The department has 9 sanctioned and filled Assistant Professor positions, supplemented by guest faculty for specialized subjects. During the academic year, four faculty members resigned. Faculty members actively participated in national and international conferences and contributed through research publications. These efforts have significantly enriched the department's academic environment and enhanced teaching methodologies.

Student Enrollment:

The Department of Science witnessed robust enrollment figures this academic year, with 40 students joining the B.Sc. (PCM) program and 25 students enrolling in the B.Sc. (PMCs) program. These numbers highlight the growing interest in the department's offerings and underscore its reputation for delivering quality education. The consistent demand for these

programs reflect the department's dedication to academic excellence, providing students with a strong foundation in their respective fields. Through its well-structured courses and committed faculty, the department continues to attract and nurture aspiring scientists and professionals.

Student Performance and Analysis

The overall pass percentage for the VI Semester B.Sc. (PCM) students was commendable, with a significant number achieving first-class results. Recognizing academic excellence, the department celebrated top-performing students who set benchmarks for their peers. This analysis highlights the effectiveness of teaching strategies and the dedication of both students and faculty toward achieving academic success.

Bridge and Remedial Courses

Bridge courses were conducted to help first-year students transition smoothly into their chosen programs, covering foundational topics in Mathematics, Physics, and Chemistry. Additionally, remedial classes were organized for academically weaker students across various semesters to provide personalized support. These initiatives reflect the department’s commitment to inclusive education and student success.

Experiential Learning

Students were encouraged to undertake internships with reputed organizations to gain practical exposure. While industrial visits were limited due to pandemic restrictions, virtual tours and interactions with industry professionals were organized. These activities provided students with insights into real-world applications of their coursework, enhancing their learning experience.

Student Achievements

Students actively participated in webinars, guest lectures, and workshops, showcasing their enthusiasm for academic enrichment. Events like "Gnosis" and "Erudition 2021" offered

platforms to expl Chemistry, and Nanotechnology. Their

engagement in these events underscores the department's role in fostering curiosity and innovation among students.

Extracurricular Activities

In addition to academic pursuits, students excelled in intercollegiate cultural events like "Nisarga" and "Amrit Mahotsav." They secured top positions in competitions such as poster-making and essay writing. These achievements highlight the holistic development opportunities provided by the department, encouraging creativity and teamwork.

Departmental Activities

The department organized a variety of activities to engage students in learning beyond the classroom. These included interactive sessions, expert talks, and collaborative projects that enriched their academic and personal growth. Such activities fostered a sense of community and collaboration within the department.

Student Enrichment Programs

Interactive sessions involving external experts were organized on topics like graph theory and environmental sustainability. The department also hosted the "Nisarga" intercollegiate fest, emphasizing conservation and sustainability. These programs provided students with diverse perspectives and encouraged them to address global challenges proactively.

Outreach Programs

The department's outreach efforts included activities promoting environmental awareness and community service. Students participated in initiatives aimed at fostering a sustainable future, demonstrating their commitment to societal well-being. These programs also served as a platform for students to develop leadership and organizational skills.

Future Plans

The department aims to expand interdisciplinary programs, increase industry collaborations, and introduce new add-on certification courses to further enhance academic and professional opportunities for students. These plans align with the department's vision of nurturing globally competent graduates.