



CHRIST COLLEGE

OF SCIENCE AND MANAGEMENT

Approved by AICTE, New Delhi | Affiliated to Bengaluru North University | Recognized by Govt. of Karnataka
Hosur-Malur Main Road, Alambady, Malur, Karnataka- 563160



Annual Report of the Science Department for the Academic Year 2021-2022

Introduction:

The Science Department of Christ College, established in 2017, has been dedicated to fostering academic excellence and holistic development among its students. For the academic year 2021-2022, the department has made significant strides in academics, extracurricular activities, and faculty achievements, while adapting to the challenges posed by the ongoing global pandemic.

Department Profile:

The Science Department offers undergraduate programs in B.Sc. (PCM) and B.Sc. (PMCs) under the Choice Based Credit System (CBCS). The department boasts six ICT-enabled classrooms, four well-equipped student laboratories, and internet facilities for both staff and students. A dedicated team of six assistant professors spearheads the academic endeavors of the department.

Academics:

The academic year saw strong enrollment numbers, with 40 students in the B.Sc. (PCM) program and 25 students in the B.Sc. (PMCs) program, reflecting a robust interest in these disciplines. The overall pass percentage for the VI Semester B.Sc. (PCM) students was exceptional, with a significant number of students achieving first-class results. This academic success highlights the hard work and dedication of both the students and faculty.

To further motivate and recognize excellence, top-performing students were honored for their outstanding achievements, encouraging others to pursue excellence in their studies. The department's academic support initiatives, such as bridge courses, played a pivotal role in helping first-year students adjust smoothly to their courses. In addition, remedial classes in core subjects like Mathematics, Physics, and Chemistry were offered across various semesters, ensuring that



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students who faced challenges had the support they needed to succeed. These efforts ensured that all students had an opportunity to excel, regardless of their initial academic standing.

Experiential Learning:

The department placed strong emphasis on providing students with practical experience, encouraging them to undertake internships with reputed organizations. These internships allowed students to gain invaluable real-world exposure, bridging the gap between theory and practice. In addition to internships, the department also organized virtual industrial visits, which allowed students to interact with industry professionals and understand the current trends and practices in the field. Despite the pandemic's restrictions, these virtual visits proved to be an effective way of providing students with practical insights that complemented their academic learning.

The department also facilitated numerous guest lectures and webinars, providing students with opportunities to hear from experts in various fields, further enhancing their learning experience. These experiential learning opportunities not only enriched the students' academic knowledge but also helped them develop essential skills needed in their future careers. Overall, the department's commitment to providing hands-on learning experiences was evident throughout the year.

Student Achievements:

Students in the department actively participated in a wide array of academic and extracurricular activities, demonstrating their intellectual curiosity and creative talents. They took part in several webinars, guest lectures, and workshops, with events like "Gnosis" and "Erudition 2021" offering valuable platforms for exploring advanced topics such as Laser Applications, Sustainable Chemistry, and Nanotechnology. These events not only enhanced their academic knowledge but also allowed them to engage in discussions with experts from various

fields. Furthermore, the students excelled in intercollegiate cultural events such as "Nisarga" and "Amrit



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Mahotsav," securing top positions in competitions like poster-making, essay writing, and other creative challenges. Their involvement in these activities showcased their well-rounded development, balancing academics with extracurricular pursuits. Such achievements reflect the students' drive and commitment to personal growth. The department continues to foster an environment where students are encouraged to excel both inside and outside the classroom. These accomplishments underscore the department's focus on producing well-rounded individuals capable of succeeding in diverse fields.

Faculty Achievements:

The faculty members of the department remained committed to their professional development throughout the year, participating in various educational events designed to enhance their teaching capabilities. They attended multiple webinars, Faculty Development Programs (FDPs), and national conferences, focusing on topics such as research methodologies, artificial intelligence, and innovative teaching practices. These programs provided faculty with the latest trends and advancements in teaching and research, which they then integrated into their courses to enrich the students' learning experience.

Faculty members also contributed to academic discussions through presentations and papers at various national and international platforms, showcasing their expertise and gaining valuable insights into the evolving field of education. Their continuous efforts in enhancing their pedagogical skills ensured that students received the highest quality of education, supported by the latest research and teaching methodologies. By embracing new teaching strategies and tools, the faculty members also played a crucial role in adapting to the challenges posed by the

pandemic. Their dedication to professional growth contributed significantly to the academic excellence of the department.



Departmental Activities:

Throughout the year, the department organized numerous student enrichment programs aimed at broadening the intellectual horizons of its students. These programs included interactive sessions with external experts, who covered topics ranging from graph theory to environmental sustainability, providing students with additional perspectives on their academic interests. The department also hosted the “Nisarga” intercollegiate fest, which focused on themes of conservation and sustainability. This event gave students an opportunity to engage with peers from other institutions while learning about important environmental issues.

These activities were designed not only to enhance students' academic knowledge but also to cultivate a sense of social responsibility and environmental awareness. In addition to academic enrichment, the department encouraged students to participate in outreach programs aimed at promoting community service. These initiatives allowed students to make a tangible impact in their communities while developing a sense of civic duty. Overall, the department's activities were structured to nurture students' academic, social, and personal growth, ensuring that they were well-prepared for their future careers and responsibilities as global citizens.

Innovative Teaching Practices:

The faculty adopted various innovative methods to enhance learning, including the use of ICT tools, Google Classroom, YouTube tutorials, and interactive online platforms such as Zoom and Google Meet. These practices ensured uninterrupted learning during the pandemic.

Feedback Mechanism:



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The department actively sought feedback from students, alumni, and employers to improve the curriculum and teaching-learning processes. This feedback was instrumental in enhancing the quality of education and aligning it with industry standards.

Conclusion:

The academic year 2020-2021 was marked by resilience, innovation, and commitment. The Science Department successfully navigated the challenges of remote learning while ensuring holistic development and academic excellence. As we look forward to the next academic year, we remain dedicated to our mission of nurturing scientific temper and producing competent graduates.