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

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)   MoE's INNOVATION CELL (GOVERNMENT OF INDIA)   AICTE Approved

Annual Report of the Science Department for the Academic Year 2023-2024

Introduction:

The Science Department of Christ College, established in 2017, continues to uphold its commitment to academic excellence and holistic development. The academic year 2023-2024 was marked by significant achievements in academics, extracurricular activities, and faculty development, despite challenges. This report provides an overview of the department's activities and accomplishments.

Department Profile:

The Department of Science offers undergraduate programs in Computer Science, Physics, Mathematics, and Chemistry under the NEP framework. The department is equipped with five ICT-enabled classrooms, four student laboratories, a departmental library, and internet facilities for staff and students. With a dedicated team of ten full-time assistant professors specializing in diverse fields, the department strives to provide a comprehensive and modern learning experience. These facilities and expertise collectively foster a robust academic environment, enabling students to excel in their chosen fields.

Academics:

The academic year showcased robust enrollment across various programs in the Department of Science. For the first-year cohort, 59 students enrolled in Computer Science, with 1 student each in Physics and Mathematics. The second-year cohort included 44 students in Computer Science and 1 in Mathematics, reflecting steady interest in these disciplines. In the third year, 7 students continued in Computer Science, and 1 student specialized in Chemistry. These enrollment figures highlight the department's ability to attract and retain students across diverse fields, affirming its reputation for providing quality education and fostering academic growth

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

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative) | MoE's INNOVATION CELL (GOVERNMENT OF INDIA) | AICTE Approved

Bridge and Remedial Courses

Bridge courses were conducted for first-year students in core subjects such as Physics, Chemistry, Mathematics, and Computer Science to facilitate a smooth transition into higher education. These courses focused on foundational concepts and practical applications to enhance understanding. Additionally, remedial classes were organized for students requiring extra assistance in key areas. This personalized approach ensured that all students could overcome challenges and achieve academic success.

Add-on and Certificate Courses:

The department offered several value-added courses to enrich student learning and employability. Notable programs included "C Programming" and "Python GUI Programming with Tinder" during the Odd Semester, along with "Crystal Physics" in the Even Semester, which saw the participation of 42 students. These courses provided practical and theoretical knowledge, equipping students with skills relevant to current industry demands.

Experiential Learning:

Experiential learning was emphasized through internships and industrial visits, enabling students to bridge the gap between theory and practice. A total of 31 first-year students completed internships at reputed organizations such as HRH NEXT and C Salon. Industrial visits like "A-Thon" on 25th November 2023 attracted 61 participants, offering hands-on exposure to real-world scenarios. These initiatives were instrumental in enhancing students' practical knowledge and professional readiness.

Student Achievements:

The students of the department demonstrated outstanding achievements in academic and extracurricular activities. They actively participated in seminars, workshops, and conferences, including the International Lecture Series - Dialexi 2024. Events like "Gnosis 2023" and "Trash

Hunt" provided platforms for practical learning and skill development. In sports, the volleyball teams secured first place in the Annual Sports Meet, while individual performances in athletics, such as high jump and relay races, were commendable. These accomplishments reflect the holistic development fostered by the department. Cultural and Sports Achievements: Volleyball teams secured first place in the Annual Sports Meet. Individual achievements in athletics, such as high jump and relay races, were noteworthy.

Faculty Achievements:

The faculty members made significant contributions to academia through their participation in national and international conferences, including the International Virtual Conference on Applied Mathematics and the 5th International Conference on Engineering Advancement. They published research papers in esteemed journals such as IRJAES and the Journal of Molecular Structure. Faculty also attended professional development programs, such as workshops on research writing and LMS mastery, further enhancing their teaching methodologies and subject expertise.

Departmental Activities:

Student Enrichment and Outreach and Extension Programs:

The department hosted a variety of activities aimed at student enrichment and societal engagement. Workshops on topics like Cyber Security, Blockchain Technology, and Statistical Thinking provided students with insights into emerging fields. Celebrations of Health Day and Environment Day emphasized the importance of awareness and sustainability. Additionally, the department conducted an "Awareness Program on E-Waste" on 5th June 2024 and collaborated with industry experts for guest lectures and practical sessions. These initiatives underscore the department's commitment to holistic education and community involvement.

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

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)   MoE's INNOVATION CELL (GOVERNMENT OF INDIA)   AICTE Approved

Assessment and Evaluation:

The department implemented comprehensive internal assessment strategies to ensure consistent tracking of student performance throughout the academic year. These strategies were designed to provide an accurate reflection of each student's understanding and progress. Regular assessments helped faculty identify areas where students needed additional support, allowing for timely interventions.

In addition to regular tests, model and remedial exams were conducted, offering students valuable opportunities to improve their performance before final examinations. These exams served as a platform for students to practice and reinforce their knowledge, ensuring they were well-prepared for their assessments. Overall, the department's approach to assessment focused on continuous evaluation, providing students with ample chances to enhance their learning and achieve academic success.

Student Progression:

Student progression was closely monitored, and top performers were recognized for their outstanding academic achievements. The department took pride in celebrating these students, encouraging them to continue excelling in their academic endeavors. In addition to recognition, scholarships were awarded to deserving students under various schemes, helping ease their financial burdens and motivating them to maintain high academic standards.

These scholarships provided an added incentive for students to strive for excellence while ensuring that talented individuals from diverse backgrounds had the opportunity to pursue their education. The department's focus on student progression highlighted its commitment to fostering an environment where academic excellence is celebrated, and students are supported in their pursuit of higher education and future success.

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

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

AICTE Approved

Conclusion:

The academic year 2023-2024 was a testament to the dedication and resilience of the Science Department. With a strong focus on academics, experiential learning, and faculty development, the department has set a benchmark for excellence. Moving forward, the department aims to further enhance its offerings and impact.