CSI COLLEGE OF ENGINEERING, KETTI

Approved by AICTE, New Delhi (F.No.730-52-301 (E)ET|97 dated NOV. 17, 1997),
Government of Tamil Nadu (vide GO Ms. No, 112, dated 23.3.1998),
Affiliated to Anna University, Chennai (Tamil Nadu Act 26of 2001 w.e.f.31.12.2001).

IQAC CELL PLAN OF ACTION FOR 2023-2024 AND THE ANNUAL REPORT

Plan of Action	Achievements / Outcomes
Inauguration of Combined Student Department Association	The combined student department association was inaugurated in February 2023. Mr. A.K. Paul from Banyan Tree Technologies, Bangalore, served as the chief guest, addressing students and promoting collaboration across departments. The event aimed to foster interdisciplinary learning, skill development, and industry engagement.
Enriching the Curriculum with Add-On Courses	To complement the core engineering and technology curriculum, faculties across various departments conducted 19 add-on courses designed to enhance students' knowledge, skills, and career prospects. These courses provided specialized expertise in emerging technologies; ensuring students were well-prepared for industry demands. The outcomes of these courses included skill enhancement in key areas, improved employability through certifications and practical exposure, hands-on experience through labs and real-world projects, and the encouragement of entrepreneurial initiatives. By offering these add-on courses, faculties enriched the curriculum, equipping students with both foundational and advanced knowledge to thrive in their respective fields.
Implementation of Advancements in Teaching	Faculties employed various teaching methodologies to enhance the learning experience. The integration of Smart Boards fostered interactive and dynamic environments, utilizing multimedia resources and real-time data to improve comprehension. Virtual Labs enabled students to conduct practical experiments remotely, benefiting theoretical and distance learning contexts. Field and industrial visits connected classroom knowledge to real-world applications, enhancing students' understanding of industry standards. The Flipped Classroom approach encouraged students to engage with learning materials at home, while classroom time was dedicated to interactive discussions and problem-solving, promoting deeper understanding. Project-Based Learning (PBL) emphasized practical application, critical thinking, and collaboration through real-world projects. The Constructivist Approach promoted student-cantered learning, emphasizing exploration, discussions, and hands-on activities that encouraged active knowledge construction. These methodologies aimed to provide a comprehensive and practical learning experience, fostering both theoretical knowledge and real-world application.

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Expanding Library Resources for Emerging Technologies	In a step towards supporting academic excellence and research, the library has expanded its collection to include specialized journals in cutting-edge fields. New journals have been procured for disciplines such as Artificial Intelligence & Data Science and Artificial Intelligence & Machine Learning. These resources provide students and faculty with access to the latest research, trends, and developments in these rapidly evolving domains. By enriching the library's offerings, the institution fosters a robust learning environment and encourages innovation and inquiry among its academic community.
Fostering Industry-Institute Collaboration	The Industry Institute Partnership Cell (IIPC) was established on 16th August 2023 to bridge the gap between academia and industry. Six Memorandums of Understanding (MoUs) have been signed, promoting active collaboration. All students have participated in internships and industrial visits, gaining practical exposure and enhancing their skills. Additionally, two industry experts engaged with faculty members, discussing ways to address research gaps and align academic initiatives with industry demands. These efforts aim to foster innovation, improve employability, and strengthen the synergy between educational institutions and the industrial sector for mutual growth and development.
Advancing Innovation Through Pre-Incubation Centre.	The Institution's Innovation Council (IIC) achieved a 2-star rating for the year 2022-23 (IIC 5.0) while actively promoting pre-incubation centres among students. Over the year, 30 activities focusing on innovation, entrepreneurship development, and intellectual property rights were conducted. These initiatives resulted in 55 students and faculty members developing ideas, with 3 progressing to the innovation stage and 2 reaching the prototype stage. Additionally, 5 patents were published, and 3 patents were successfully granted, underscoring the institution's commitment to fostering a culture of innovation and entrepreneurship.
Promoting Professional Growth Through Additional Courses	Encouraging both teaching and non-teaching staff to pursue additional courses fosters a culture of continuous learning and professional development. This year, 10 faculty members successfully completed NPTEL courses, enhancing their subject knowledge and teaching methodologies. Additionally, 5 non-teaching staff members completed online courses and value-added programs, equipping themselves with updated skills and competencies relevant to their roles. Such initiatives not only empower staff members but also contribute to the institution's overall growth by ensuring a well-trained and knowledgeable workforce.
Active participation in Extra-curricular and Co-curricular activities	Nurturing holistic development through active participation in extracurricular and co-curricular activities, with a total of 894 participants involved.

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Institutional Awards	• Green day celebration (Silver & Platinum) • Institution Innovation Council – 2 star rating • Millet Mela - Best Organizing Award • State Level Coaching camp – Best of Honour Award • All India Girls Trekking – organising award
Securing Research Funding for Innovation and Learning	The institution has successfully generated funding amounting to ₹2,40,000 from esteemed agencies such as the Tamil Nadu State Council for Science and Technology (TNSCST) and the Tamil Nadu Skill Development Corporation (TNSDC). These funds have been instrumental in supporting various research projects and organizing impactful workshops. This achievement highlights the institution's dedication to fostering academic research, innovation, and skill development. By collaborating with key funding agencies, the institution aims to provide students and faculty with opportunities to explore cutting-edge ideas, enhance knowledge, and contribute meaningfully to societal and technological advancement.
Preparation and Submission of AQAR for 2023-2024 Academic Year	To ensure the timely submission of the AQAR for the 2023-2024 academic year, the institution commenced the preparation process from August 2023. A dedicated team, including faculty members and administrative staff, was tasked with collecting and compiling relevant data from various departments. This included information related to academic performance, research output, infrastructure, student achievements, and faculty development. The data was carefully reviewed and verified to ensure accuracy and compliance with regulatory guidelines. The final report was drafted, reviewed by key stakeholders, and submitted within the prescribed deadline, ensuring adherence to UGC and other regulatory requirements.

IQAC COORDINATOR

PRINCIPAL

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