





INSTITUTIONAL DEVELOPMENT PLAN 2025 - 2029





CSI COLLEGE OF ENGINEERING, KETTI

Approved by AICTE, New Delhi (F.No.730-52-301 (E)ET197 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 260f 2001 w.e.f.31.12.2001).

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I. INTRODUCTION

Nestled in the picturesque town of Ketti in The Nilgiris, CSI College of Engineering (CSICE) stands as a beacon of academic excellence and innovation, since 1998. Our Institution is affiliated with Anna University-Chennai, approved by AICTE- New Delhi and accredited by NAAC and holds UGC 2f and 12b status. This institution was established for the upliftment of the tribal communities in the Nilgiris. We have been at the forefront of engineering education, committed to fostering talent and innovation for the past 25 years. Offering a diverse range of 7 undergraduate courses and 1 PG course. CSICE is a proud member of the Institutions Innovation Council (IIC), a registered body under the Government of India, actively engaged in cutting-edge research activities. No capitation fee is charged right from its inception. Our academic community is a powerhouse of progress, consistently attending NPTEL courses, acquiring patents, contributing to significant publications and earning substantial research grants from DST, SERB, TNSCST and TNSDC. With a stellar track record in placements and a global network of successful alumni, CSICE continues to shape the future of engineering. CSI College of Engineering has maintained a consistent record of excellent placements. Students have secured employment in reputed multinational companies, core engineering firms, and IT industries. The dedicated Training and Placement Cell works tirelessly to enhance students' soft skills, technical knowledge, and interview readiness through training programs, mock interviews, and aptitude tests. The Institutional Development Plan outlines strategic goals for academic, research, infrastructure, and societal growth over the period 2025-2029.

II. VISION AND MISSION OF THE COLLEGE

Vision

· To equip and empower the students and faculty members to contribute in nation building process with social concern imbibed with character and ethics to ensure sustainable



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development through technical education, research, innovation, patent and extension activities.

Mission

- To raise students to serve humanity by attaining high levels of academic excellence, industrial exposure and professional competence with exemplary values and social concern.
- To find solutions to human problems through scientific, social, technological research leading to sustainable development.
- To promote gender equality and harmonious growth of students, faculty members and other stake holders so as to become a center of excellence in technical education.

III. CURRENT STATUS AND ACHIEVEMENTS

CSI College of Engineering has achieved the following milestones:

a. Accreditation & Recognition

- CSI College of Engineering has established itself as a reputable institution through significant accreditations and recognitions at the national level, affirming its commitment to quality education, institutional governance, and academic integrity.
- The institution is accredited by the National Assessment and Accreditation Council (NAAC), which signifies its adherence to academic excellence, effective teachinglearning processes, student support systems, and a robust internal quality assurance mechanism. This accreditation underscores the college's sustained efforts toward continuous improvement and its focus on delivering holistic education aligned with national quality benchmarks.
- Further, CSI College of Engineering is recognized under sections 2(f) and 12(B) of the UGC Act, 1956 by the University Grants Commission (UGC). This recognition makes the college eligible to receive central assistance from UGC and other government funding agencies for research, infrastructure, and faculty development. It also validates the institution's academic credentials and administrative compliance with national higher education standards.



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In the field of innovation and entrepreneurship, the college has been awarded a 3-Star rating by the Ministry of Education's Institution's Innovation Council (IIC). This rating is a testament to the institution's proactive initiatives in promoting innovation, idea generation, entrepreneurship development, and start-up culture among students and faculty. It reflects the vibrant innovation ecosystem fostered through workshops, hackathons, idea competitions, and support for prototype development.

b. Academic and Research Excellence

- CSI College of Engineering offers a comprehensive array of undergraduate programs in cutting-edge and core engineering disciplines, including Artificial Intelligence and Data Science (AI&DS), Artificial Intelligence and Machine Learning (AI&ML), Cybersecurity, Computer Science and Engineering (CSE), Information Technology (IT), Electronics and Communication Engineering (ECE), and Mechanical Engineering. These programs are regularly updated to align with industry standards and the evolving needs of the global technological landscape.
- The institution actively fosters a culture of research and innovation. Faculty and students have undertaken several funded research projects, securing grants from prestigious agencies such as the Science and Engineering Research Board (SERB), the Tamil Nadu State Council for Science and Technology (TNSCST), and through initiatives like Niral Thiruvizha, which aim to promote indigenous and impactful innovations. These projects have contributed significantly to the academic reputation of the college and provided practical exposure to the student community.
- In pursuit of continuous learning and professional development, both faculty and students at CSI College of Engineering regularly enroll in NPTEL (National Programme on Technology Enhanced Learning) courses. These courses, offered by premier institutions like the IITs and IISc, enhance domain expertise and support outcome-based education.
- As part of its commitment to fostering innovation and entrepreneurship, CSI College of Engineering has successfully initiated three Pre-Incubation projects under its



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Institutional Innovation framework. These projects were conceived and developed by student-faculty teams, focusing on socially relevant and technologically impactful solutions. The Pre-Incubation Centre provided necessary mentorship, technical guidance, and infrastructural support to help these ideas transition from conceptual stages to prototype development.

Notably, the institution has seen the emergence of a promising startup company named "Zero Watts", which was incubated within the college ecosystem. This startup, focused on sustainable and energy-efficient solutions, received a significant grant of Rs. 6,00,000 from the Government of India, recognizing its innovation potential and societal impact. The establishment of "Zero Watts" marks a milestone in the college's journey towards promoting entrepreneurship and aligns with the national vision of "Start-up India".

c. NSS Achievements

The college NSS unit has been a flag-bearer of youth service, earning top accolades from Anna University, Government of India, and local administration:

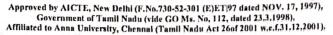
- Best NSS Unit Multiple Years (2020, 2021, 2024)
- Best Programme Officer Recognized in 2017, 2019, 2021
- Plastic Waste Cleanup & Swachhta Drives District Administration (2019)
- Best Blood Donation Camp Organizer (2018, 2023)
- Fit India Freedom Run 2.0 Appreciation Azadi Ka Amrit Mahotsav, Gol (2021)
- Voter Awareness Drive for 100% Participation (2019)

d. Volunteering & Flagship Initiatives

- Shrama-Sammaanah "Dignity of Labour": Recognizing and celebrating physical service during Swachhta campaigns and community outreach.
- Aarogyamaargah "Path to Wellness": Institutional health and fitness campaigns like Fit India Movement and Freedom Run 2.0.
- Kaushaladeepah "Lamp of Skills": Participation in skill-oriented visits like Startup Mahakumbh 2025 at Bharat Mandapam.
- Vikasanayatra "Journey of Growth": Exposure trips, personality development events, and innovation fairs.









 Swachhagramah – "Clean Village": Swachh Bharat Camps conducted in nearby hamlets to encourage cleanliness and hygiene.

c. Recent Highlights of Volunteering Programs

- Azadi Ka Amrit Mahotsav. Under the national celebration, the Fit India Freedom Run
 2.0 was conducted successfully, promoting physical wellness and patriotic spirit.
- Swachh Bharat Abhiyan. Numerous cleanliness camps were conducted under Swachhagramah, promoting community hygiene and plastic waste management in nearby villages.
- Startup Mahakumbh 2025 Exposure Visit. Students participated in a knowledgesharing expedition to Bharat Mandapam, New Delhi, under Janjatiya Gaurav Varsh, supported by Dharti Aaba Tribepreneurs 2025.

f. ATAL Innovation Mission Initiatives

In alignment with India's vision for an innovation-driven economy, CSI College of Engineering has proactively engaged with the flagship initiatives under the Atal Innovation Mission (AIM)—Atal Incubation Centre (AIC) and Atal FDPs—to foster a culture of creativity, problem-solving, and entrepreneurship across the campus.

ATAL Incubation Centre (AIC) Collaborations

The institution has established linkages with recognized Atal Incubation Centres across the country to support student startups, entrepreneurship development, and prototype scaling. Through these partnerships:

- Students have received expert mentorship and funding assistance for their innovative ideas.
- One startup named "Zero Watts" was successfully incubated with a government grant
 of ₹6,00,000, marking a milestone in student-led innovation.
- A roadmap has been developed to establish a dedicated incubation ecosystem within the institution, in alignment with the AIC model.





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ATAL FDP's (Faculty Development Programs)

Faculty members from various departments have actively participated in AICTE-ATAL FDPs, enhancing their pedagogical and technical competencies in emerging domains. Key highlights include:

- Many faculty members completed FDPs in areas like Artificial Intelligence, Machine Learning, Cyber security, IoT, Green Technology, and Entrepreneurship Development.
- Faculty leveraged this learning to redesign curriculum delivery and guide student projects more effectively.
- Several departments have initiated interdisciplinary research proposals and prototype development based on insights gained from these FDPs.

g. Student and Faculty Achievements

- CSI College of Engineering takes immense pride in the outstanding accomplishments of
 its students and faculty across various domains. The National Service Scheme (NSS)
 Unit of the college has been consistently recognized for its exemplary service activities,
 earning the prestigious Best NSS Unit Award. Likewise, the National Cadet Corps
 (NCC) Unit has demonstrated excellence in discipline, training, and participation in
 national-level camps, winning the Best NCC Unit Award for its remarkable
 performance and commitment to nation-building.
- The institution has also been conferred with the Trendsetter Award and the IGEN
 Award, celebrating its innovative practices in education, sustainability, and institutional
 leadership. These accolades affirm the college's progressive approach to integrating
 innovation and social responsibility into its academic framework.
- In the realm of sports, CSI College of Engineering has made a significant mark at the state and university levels. The college's athletes have consistently excelled at the Anna University Zonal and Inter-Zonal Athletic Meets, as well as in the prestigious Chief Minister's Trophy (CM Trophy) competitions. These achievements underscore the institution's dedication to holistic student development through sports and physical fitness.





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The vibrant Cultural Club of the college also continues to win accolades across intercollegiate and regional cultural events, showcasing the creative talents of students in music, dance, drama, and fine arts.

h. Campus Infrastructure and Facilities

- Hostel Facilities for Boys and Girls: The college offers separate, secure, and wellmaintained hostel accommodations for male and female students, with all essential amenities to ensure a comfortable and conducive living environment.
- Wi-Fi Enabled Campus: The entire campus is equipped with high-speed Wi-Fi connectivity, facilitating seamless access to digital resources for students and faculty to support research, learning, and collaboration.
- Non-Residential Cafeteria: A hygienic and spacious cafeteria caters to the nutritional needs of day scholars, staff, and visitors, offering a variety of healthy food options at affordable rates.
- Sports & Athletics Ground: Dedicated grounds for sports and athletics promote physical fitness, teamwork, and competitive spirit among students. These facilities are regularly used for training and intercollegiate competitions.
- Plastic-Free Campus: Committed to sustainability, the institution maintains a plasticfree campus policy, encouraging eco-friendly practices among students and staff.
- Central Library: A well-stocked central library with digital access offers a wide range of academic, technical, and reference materials, fostering a strong reading culture and supporting research activities.
- Interactive Teaching & Learning Enabled Classrooms: Classrooms are equipped with modern teaching aids such as smart boards, projectors, and audio-visual systems to enhance student engagement and interactive learning.
- Well-Equipped Laboratories: Each department is supported by state-of-the-art laboratories with modern equipment, ensuring practical training and hands-on experience that complements theoretical instruction.
- 24-Hour Security: The campus ensures round-the-clock security with trained personnel to safeguard students, staff, and property.





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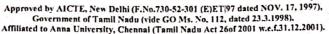
- CCTV Surveillance Enabled Campus: CCTV cameras are strategically installed across the campus for continuous surveillance, ensuring safety and discipline.
- Boys' and Girls' Common Rooms: Separate common rooms are available for boys and girls, providing a comfortable space for relaxation and informal discussions.
- Dispensary: An on-campus medical dispensary staffed with trained personnel provides first-aid, basic health services, and emergency medical assistance.
- Disabled-Friendly Environment: The campus is inclusive and accessible, with facilities such as ramps, handrails, and accessible restrooms designed to accommodate students with disabilities.
- Solar Lighting and Heaters: In line with its commitment to renewable energy, the institution has implemented solar-powered lighting and water heaters across key areas of the campus.
- Transport: The college provides safe and reliable transport facilities, including buses that operate through the hill terrains and connect remote areas to the institution.
- Bio-Gas Units: The campus has implemented bio-gas technology for waste management and energy generation, reinforcing its sustainable development goals.
- Conference Hall: A modern conference hall equipped with audio-visual systems serves as a venue for academic seminars, workshops, and administrative meetings.
- Seminar Hall: The seminar hall hosts guest lectures, student presentations, and departmental events, encouraging academic discourse and knowledge sharing.
- Open Auditorium: An aesthetically designed open auditorium provides a dynamic space for cultural events, public gatherings, and institutional celebrations, encouraging creativity and student participation.

i. Industry & Community Engagement

The institution has established robust Industry-Institute Linkages, fostering active collaboration with a wide range of industries across sectors such as Information Technology, Manufacturing, Electronics, Renewable Energy, and Core Engineering. These partnerships are instrumental in designing industry-relevant curricula, facilitating real-world learning experiences, and enhancing the employability of students.









- Students benefit from frequent industrial visits, which offer first-hand exposure to
 operational environments, production systems, quality control processes, and emerging
 technologies. These visits are meticulously planned to align with the academic schedule
 and provide contextual understanding of theoretical concepts.
- The college encourages student internships across all departments as an integral part of their academic journey. Internships provide students with practical skills, project experience, and industry insights, which significantly strengthen their professional profile. Many students have completed internships at reputed organizations, leading to pre-placement offers and industry certifications.
- A unique initiative of the institution is the "One Student One Industry Connect" model. Under this model, each student is associated with a specific industry mentor or company for continuous learning, guidance, and skill development throughout their academic tenure. This initiative fosters personalized industry engagement and enables students to align their aspirations with market demands.
- Faculty members are also actively involved in industry engagement, participating in training programs, consultancy projects, and collaborative research with industrial partners. This faculty-industry connect ensures that classroom teaching remains updated and relevant to contemporary industry practices.
- The college has cultivated a strong student-alumni connect program, where alumni
 working in top-tier companies across the globe mentor current students, offer career
 guidance, conduct technical sessions, and facilitate networking opportunities. This
 vibrant alumni network significantly contributes to student development and placement
 support.
- As a result of these comprehensive initiatives, CSI College of Engineering has
 maintained a consistent record of excellent placements. Students have secured
 employment in reputed multinational companies, core engineering firms, and IT
 industries. The dedicated Training and Placement Cell works tirelessly to enhance
 students' soft skills, technical knowledge, and interview readiness through training
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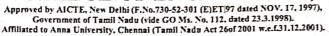


j. Consolidated Report on Major Awards and Recognitions

- CSI College of Engineering, Ketti, has achieved several significant accolades and recognitions that reflect its commitment to excellence in education, community engagement, and institutional development.
- The college was honored with the Trendsetters Award by The Times of India, recognizing its progressive initiatives and transformative contributions to technical education. Adding to this, the prestigious Lifetime Achievement Award was conferred by the Indian Society for Technical Education (ISTE), acknowledging the institution's sustained excellence and leadership in engineering education.
- In the realm of exhibitions, the institution secured the Third Prize (Institution Category) and a Special Prize for Stall Presentation at the 127th Flower Show in Ooty, awarded by the Department of Horticulture, Government of Tamil Nadu. A similar Special Award was also received for the college's impressive exhibit at the 126th Flower Show, underscoring its consistent public engagement and creative outreach
- A remarkable milestone was achieved through a world record for creating the largest human rights legal awareness session, a testament to the college's commitment to societal impact, coordinated in collaboration with NBS People Rights Corporations.
- The institution's proactive participation in government skill initiatives was recognized by the Tamil Nadu Skill Development Corporation (TNSDC) through two distinguished titles-Best Single Point of Contact for Naan Mudhalvan and Best Placement Award under the Naan Mudhalvan Scheme, highlighting its role in student upskilling and employability enhancement.
- At the national level, the Government of India, Ministry of Youth Affairs and Sports, acknowledged the college's vibrant community engagement through the NSS Program of Volunteer Appreciation. In the domain of youth leadership and adventure, the college played a pivotal organizing role in the All India NCC Girls Trekking Expedition 2024, coordinated by NCC DTE TN P & AN Coimbatore Group.









- Academic excellence was again recognized by Anna University, Chennai, which
 awarded the college the coveted title of NSS Best Unit, reflecting its dedicated social
 outreach programs and discipline among students.
- Finally, students and faculty from the institution actively participated in the Startup
 Mahakumbh 2025 at Bharat Mandapam, New Delhi, as part of the Janjatiya
 Gaurav Varsh Celebration, organized by Dharti Aaba Trivepreneurs 2025, offering
 them national exposure and innovation-driven networking opportunities.

k. Various Committee and Cells

- Internal Compliance Committee (ICC)
- Students Grievance Redressal Committee (SGRC)
- Research and Development Cell (R & D Cell)
- Anti-Ragging Cell
- Equal Opportunity Cell *
- Placement Cell
- Governing Council
- Planning & Monitoring Cell
- University CM cell
- IQAC
- SC/ST Cell
- Women Empowerment Cell
- Exam Cell
- Scholarship Cell
- Naan Mudhalvan Cell
- Alumni Cell
- Counseling Cell
- Cultural Club
- Sports Club
- Electoral Literacy Club
- IIC (Institution Innovation Council)



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- IIPC (Industry-Institute Partnership Cell)
- Consultancy
- ERP (Enterprise Resource Planning)
- EDII (Entrepreneurship Development and Innovation Institute)
- Social Media Cell
- NSS (National Service Scheme)
- NCC (National Cadet Corps)
- RRC (Red Ribbon Club)
- YRC (Youth Red Cross)
- UBA (Unnat Bharat Abhiyan)
- IGEN (Indian Green Environment Network)
- BIS (Bureau of Indian Standards Club)
- Non Residential Cafeteria

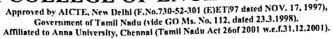
IV. VISION FOR 2025-2029

To evolve as a globally recognized institution fostering excellence in engineering education, innovation, research, and societal development while preserving ecological and cultural values of The Nilgiris.

V. SHORT TERM GOALS (2025–2027)

- Obtain NBA Accreditation for all UG programs
- Enhance syllabi in line with NEP 2020 and industry requirements
- Develop AI and Space Research Lab
- Boost IIC performance to 5-star rating
- Conduct innovation challenges, workshops, and start-up mentorship
- Increase IPR filings and entrepreneurship training
- Focused mentoring for tribal and rural students
- · Enhanced training for placements, soft skills, and language labs
- Promote NSS/NCC outreach programs for social impact
- Launching a balloon satellite as a prelude to Nano-Satellite







VI. LONG TERM GOALS (2027–2029)

- Attain Deemed-to-be University Status
- Launch Nano-Satellite Program Collaborate with ISRO for a Nano Satellite Project focused on studying the Nilgiri Biosphere
- Establish a Satellite Research Lab for interdisciplinary R&D
- International collaborations with universities for student/faculty exchange
- Develop a Centre of Excellence in AI, Cyber Security, Climate Analytics and Agriculture

VII. MONITORING & EVALUATION

A Strategic Implementation Committee (SIC) will be constituted to oversee IDP execution. Progress will be reviewed annually based on Key Performance Indicators (KPIs), including:

- NBA accreditation status
- · Research output and funding
- Student success metrics
- Innovation and IPR outcomes
- Social outreach and inclusion measures

VIII. CONCLUSION

With UGC 2(f) and 12(B) recognition and a history of excellence in academics, innovation, and community service, CSI College of Engineering is positioned to become a center of higher learning and national importance. The IDP 2025–2029 reflects a clear roadmap for academic growth, research advancement, societal impact, and global reach.

Dete OF ENGLANDS

Principal
PRINCIPAL
C.S.I. COLLEGE OF ENGINEERING
KETTI - 643215

R. Mercy Shanthi