

## STRATEGIC PLAN FOR CKEC (2025-2030)

### YEAR-WISE PROCESS

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#### Process Roadmap Starting from 2025-26

##### 2025-26: Laying the Foundation

- **Strengthen IQAC** to monitor institutional quality through regular audits and assessments, ensuring continuous improvement.
- **Increase Research Publications & Patents:** Encourage faculty and students to engage in research activities and file patents.
- **Collaboration with Funding Agencies:** Identify potential funding sources and apply for grants to support research and infrastructure.
- **Student Startup Incubation:** Establish an ecosystem to support student entrepreneurial initiatives through mentorship and seed funding.
- **Placement Training for Tier-1 Companies:** Introduce structured training programs to enhance employability and prepare students for top recruiters.
- **Introduction of Additional Courses:** Launch new industry-relevant courses in AI, Data Science, and Sustainable Engineering.
- **Establish New Research Centers:** Initiate specialized research centers focusing on emerging technologies and interdisciplinary studies.

##### 2026-27: Strengthening Research & Innovation

- **Expand Research Centers:** Upgrade facilities and encourage interdisciplinary research collaborations.
- **Government & Private Grants:** Increase funding applications and establish dedicated grant-writing support teams.
- **Industry-Driven Skill Development:** Design training programs in collaboration with industries to enhance student competencies.
- **Student Innovation Ecosystems:** Support innovation hubs with access to funding, networking, and guidance.
- **Internship Collaborations:** Strengthen ties with leading companies to ensure high-quality internships.
- **Expand Additional Course Offerings:** Introduce certification programs and specialized electives aligned with industry needs.

##### 2027-28: Industry Integration & Global Collaborations

- **Patent Filings & Funded Projects:** Encourage faculty and students to file patents and undertake funded research.
- **Global University Partnerships:** Establish academic collaborations with top universities for student and faculty exchange programs.
- **Entrepreneurship Development Programs:** Provide hands-on training, mentorship, and funding opportunities for startups.
- **International Faculty Development Programs:** Encourage faculty to participate in FDPs and certifications abroad.
- **Placement Expansion:** Improve industry ties to ensure 50%+ placements in Tier-1 companies.

- **Expansion of Research Centers:** Strengthen existing centers with advanced infrastructure and new faculty recruitment.

## **2028-29: Digital Transformation & Sustainability**

- **AI-Driven Academic Analytics:** Implement advanced data analytics for personalized student learning and performance tracking.
- **Centre of Excellence in Emerging Technologies:** Establish dedicated labs for AI, IoT, blockchain, and other future technologies.
- **Interdisciplinary Research Engagement:** Promote faculty collaboration across multiple disciplines to enhance research impact.
- **Sustainability Initiatives:** Implement green energy solutions and smart campus technologies to promote sustainability.
- **Core & High-Tech Industry Placements:** Ensure that 75%+ students are placed in emerging technology sectors.
- **New Course Streams in Future Technologies:** Launch specialized courses in quantum computing, robotics, and smart manufacturing.

## **2029-30: Achieving Institutional Excellence**

- **Increase Research Publications & Patents:** Target 100+ annual research publications and patents.
- **Secure Long-Term Institutional Funding:** Build financial sustainability through diversified funding sources.
- **Global Exchange Programs:** Enhance student and faculty exposure through international partnerships.
- **Top Multinational Placements:** Ensure 90%+ placement in leading multinational corporations.
- **Institutional Recognition:** Position CKEC as a premier research-driven institution with global accreditation.
- **Expansion of Advanced Research Centers:** Establish fully equipped, globally recognized research hubs focusing on AI, sustainability, and automation.

## INSTITUTIONAL STRATEGIC PLAN

