

INSTITUTIONAL DEVELOPMENT PLAN (IDP)

for

C.K. COLLEGE OF ENGINEERING & TECHNOLOGY

(2024-29)

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INSTITUTION DEVELOPMENT PLAN (IDP) FOR CKCET (2024-2029)

1. ACADEMICS DEVELOPMENT PLAN

OBJECTIVES:

- Strengthen UG and PG programs with industry-aligned curricula.
- Enhance faculty development and student engagement.
- Introduce emerging technologies and interdisciplinary programs.
- Develop digital learning and hybrid education models.
- Apply for **NBA accreditation** for all eligible departments.
- Introduce **new UG and PG programs** and increase student strength to **2200+** in the next 4-5 years.
- Attain **autonomous status** by 2025-26.
- Enhance **industry-aligned curriculum and placements** in the upcoming years.

Micro-Level Implementation Plan:

2024-25:

- Initiate NBA accreditation process for eligible programs.
- Strengthen Teaching-Learning Excellence Centers.
- Revise curriculum in line with NEP 2020 and Outcome-Based Education (OBE).
- Develop industry-driven electives and establish MoUs for student internships.
- Ensure all classrooms are equipped with smart boards.
- Introduce AI, IoT, and Blockchain-related courses.
- Conduct feasibility study for new UG/PG programs.

2025-26:

- Attain **autonomous status** and implement flexible credit-based system.
- Introduce at least **2 new UG/PG programs** in emerging fields.
- Establish domain-specific skill development labs (AI, IoT, Renewable Energy).
- Implement digital repositories for academic resources.
- Conduct faculty training workshops on modern teaching methodologies.
- Initiate first cycle of external audits for NBA accreditation.

2026-27:

- Implement 360-degree student assessment and feedback systems.
- Develop global academic collaborations and faculty/student exchange programs.
- Organize at least **two international/national academic conferences**.
- Expand research collaborations and patents.
- Increase digital learning components with more MOOCs.

2027-28:

- Expand UG and PG programs based on industry demand.
- Introduce global certifications in partnership with Coursera, edX, and NPTEL.
- Strengthen alumni network involvement in academic and placement activities.
- Conduct research-led curriculum enhancements.
- Strengthen hands-on learning through project-based learning and internships.

2028-29:

- Ensure continuous upgradation of curricula based on industry feedback.
- Expand industry collaborations and corporate sponsorships for research.
- Conduct comprehensive review of **NBA accreditation progress**.
- Strengthen faculty development initiatives and teaching pedagogy innovation.

2. INFRASTRUCTURE & DIGITALIZATION

OBJECTIVES:

- Develop **advanced smart classroom features** and **digital infrastructure**.
- Enhance **laboratory facilities** for advanced research.
- Strengthen **ICT-based learning resources**.
- **Optimize smart class usage** through better integration with LMS and hybrid learning models.
- Strengthen **AR/VR Centre of Excellence** for industry-relevant applications and immersive learning.

Micro-Level Implementation Plan:

2024-25:

- **Enhance interactive learning tools** (AI-driven content delivery, AR/VR labs).
- **Upgrade digital assessment platforms** for better student tracking.
- **Ensure seamless tech support** and maintenance for Smart Class Boards.
- **Expand hybrid learning models** with advanced LMS integration.

- Strengthen **library resources with digital subscriptions**.
- Set up **modern labs for AI, IoT, and Renewable Energy**.
- Develop **cloud-based academic and administrative data management systems**.
- **Leverage the AR/VR Centre of Excellence for research projects and industry collaborations**.

2025-26:

- **Implement a centralized digital repository**.
- **Strengthen Wi-Fi infrastructure across the campus**.
- **Launch a digital innovation hub for faculty and students**.
- **Expand AR/VR applications in practical learning and industry projects**.

2026-27:

- Introduce **virtual classrooms and AI-powered teaching assistants**.
- Upgrade **computing and research infrastructure**.
- Establish **high-performance computing facilities for research**.
- Develop **AR/VR-based simulation tools for tech training and Engg. applications**.

2027-28:

- **Enhance cybersecurity measures for digital assets**.
- **Expand e-learning modules and global collaborations**.
- **Develop smart campus initiatives integrating IoT and AI**.
- **Integrate AR/VR technology for remote learning and skill development programs**.

2028-29:

- Implement **AI-driven administrative management systems**.
- Establish **blockchain-based student records management**.
- **Strengthen global partnerships to expand AR/VR research and its industrial applications**.

3. INDUSTRY COLLABORATION & EMPLOYABILITY ENHANCEMENT

OBJECTIVES:

- **Enhance industry-academia partnerships**.
- **Strengthen internships and placement opportunities**.
- **Develop entrepreneurial and startup culture**.
- **Establish corporate-backed research and development centres**.

- **Align** curriculum with real-world industry applications.
- Leverage AR/VR Centre of Excellence for industry-aligned training and certification programs.

Micro-Level Implementation Plan:

2024-25:

- Strengthen MoUs with industries for student training.
- Establish a dedicated career development center.
- Conduct industry expert talks and skill-based workshops.
- Implement real-time industry projects as coursework assignments.
- Introduce AR/VR-based industrial training programs in collaboration with industry partners.

2025-26:

- **Introduce** internship-integrated degree programs.
- **Launch** corporate-funded research projects.
- **Develop** industry-endorsed certification programs.
- **Establish** start-up incubation and accelerator programs.
- Enhance employability skills through AR/VR-led practical training.

2026-27

- **Set up an** entrepreneurship incubation center.
- **Strengthen** on-campus job fairs and placement drives.
- **Foster** faculty-industry collaborations for applied research.

2027-28

- **Implement** live industry projects as part of coursework.
- **Expand** collaborations with multinational companies for global exposure.
- **Strengthen** work-integrated learning programs **with companies**.
- Establish AR/VR-driven recruitment and training modules for students and faculty.

2028-29

- **Expand** global corporate partnerships.
- **Develop** customized industry-led skill development programs.
- **Establish** a corporate-backed Center of Excellence (CoE) **for skill enhancement**.
- Strengthen AR/VR applications for corporate and industrial problem-solving projects.

4. FINANCIAL SUSTAINABILITY PLAN

OBJECTIVES:

- Increase revenue from **₹12 crore to ₹20+ crore** in 5 years.
- Develop diverse revenue sources including student fees, research grants, consultancy, and corporate tie-ups.
- Ensure financial independence through structured investments and revenue diversification.
- Optimize cost management while enhancing institutional growth.

Enhanced Year-wise Revenue Growth Plan:

2024-25: ₹13.5 crore

- Increase student intake by **10%**.
- Strengthen research grants and consultancy services.
- Initiate partnerships with industries for sponsored projects.
- Enhance short-term certificate and executive education programs.

2025-26: ₹15 crore

- Utilize **autonomous status** for flexible fee structuring.
- Strengthen industry-sponsored research and training programs.
- Develop fundraising strategies through alumni and CSR programs.
- Establish dedicated revenue-generating consultancy divisions.

2026-27: ₹17 crore

- Expand UG and PG programs with higher enrollments.
- Develop international collaborations with revenue-sharing models.
- Increase industry-backed scholarships and grants.
- Monetize campus facilities for corporate training and workshops.

2027-28: ₹18.5 crore

- Monetize global certification courses with top e-learning platforms.
- Expand corporate training programs and industry-based learning modules.
- Generate additional revenue through faculty-led research consultancy.
- Strengthen philanthropic contributions from alumni and donors.

2028-29: ₹20+ crore

- Sustain diverse funding models and optimize revenue streams.
- Strengthen research incubation center for commercialized projects.

- Leverage global academic partnerships for funding and investments.
- Secure long-term endowments and create a self-sustainable financial model.

5. GOVERNANCE & ADMINISTRATION PLAN

OBJECTIVES:

- Implement robust governance structures for autonomous status.
- Improve transparency, accountability, and efficiency in decision-making.
- Establish data-driven administration with AI-enabled tracking systems.
- Foster strong stakeholder relationships with industry, faculty, and alumni.

Enhanced Micro-Level Implementation Plan:

2024-25:

- Establish **Board of Governors (BoG)** to oversee academic and financial strategies.
- Implement **MIS for academic, administrative, and financial management**.
- Strengthen regulatory compliance mechanisms and audits.
- Develop structured SOPs for administrative transparency and governance.

2025-26:

- Implement governance policies aligning with **autonomous status**.
- Strengthen external advisory committees with industry experts and alumni representation.
- Introduce a **student grievance redressal system** integrated with AI-driven analytics.
- Optimize performance evaluation methods for faculty and administration.

2026-27:

- Develop **AI-driven faculty and student performance tracking systems**.
- Implement a centralized system for academic and research grants management.
- Establish structured faculty succession planning and leadership development programs.
- Enhance governance through data-backed decision-making policies.

2027-28:

- Strengthen **industry-alumni networking initiatives** for placements and funding.
- Digitize governance processes to ensure efficiency in accreditation, policy execution, and compliance.
- Establish a **dedicated corporate relations and funding office**.

- Initiate regular stakeholder meetings to drive participative decision-making.

2028-29:

- Establish **global governance benchmarks** and sustain best practices for CKCET's future.
- Develop an **automated compliance and accreditation monitoring system**.
- Strengthen strategic governance by integrating advisory boards from **top national and international institutions**.
- Optimize governance structures to ensure continuous improvement in institutional quality.

Conclusion

This **5-year Institutional Development Plan (IDP)** ensures CKCET's growth through **autonomous status, NBA accreditation, research excellence, financial stability, and industry collaboration**. The enhanced **Financial Sustainability Plan and Governance & Administration Plan** provide a clear roadmap for achieving a **self-sustaining, innovation-driven institution**. By implementing these strategies, CKCET will be well-positioned among top institutions by **2029**.