

Institutional Profile: JCT College of Engineering and Technology (TNEA Code 2769)

1. Institutional Identity and Admission Profile

For students navigating the 2026 Tamil Nadu Engineering Admissions (TNEA) cycle, a college's administrative identity and regulatory status are the primary indicators of educational flexibility and transparency. JCT College of Engineering and Technology (JCTCET) is a self-financing, autonomous institution, a designation that allows it to evolve its curriculum more rapidly than non-autonomous colleges. Critically for prospective families, admission is conducted entirely through the TNEA process, ensuring a meritocratic and standardized entry route.

Field	Details
Full Official Name	JCT College of Engineering and Technology
Short Name	JCTCET
TNEA Code	2769
Autonomous Status	Yes (Confirmed via Anna University & TNEA 2025)
Institution Type	Self-Financing
Location	Pichanur, Coimbatore
Year of Establishment	2009
Affiliating University	Anna University, Chennai
Admission Route	100% TNEA (65% Government Quota / 35% Management Quota)

These foundational details establish JCTCET's operational framework, providing the baseline for exploring its mission and regional heritage.

2. Institutional Heritage and Founding Mission

The origins of an engineering college often define its commitment to regional development and its overall campus culture. Founders' visions act as a compass for institutional growth and student support priorities.

JCT College of Engineering and Technology was established on June 22, 2009, by the Shri Jagannath Educational, Health and Charitable Trust. The trust was founded by a group of philanthropic leaders including Shri S.A. Subramanian, Mr. R. Arulselvan (Vice Chairman &

CEO), Mr. R. Gautaman, and Mr. R. Durga. Their stated objective was to provide high-quality technical education to the rural and downtrodden population. Notably, the college's location at the foothills of the Western Ghats near the Tamil Nadu–Kerala border creates a distinctive bilingual and bicultural environment, drawing a diverse student and faculty population from both states.

This mission is validated through the institution's rigorous adherence to national regulatory standards for technical education.

3. Regulatory Status: AICTE Approval

In the Indian technical landscape, current approval from the All India Council for Technical Education (AICTE) is the non-negotiable prerequisite for any degree-granting program. It serves as a guarantee that the institution meets national requirements for infrastructure, faculty expertise, and academic delivery.

For the 2026 admission cycle, JCT College of Engineering and Technology holds valid AICTE approval for the Academic Year 2025-26. This approval is essential for the college's participation in the TNEA counseling process and ensures that the degrees conferred are recognized by both public sector recruiters and higher education institutions globally.

The institution has sought further validation of its programmatic excellence through specialized national accreditation.

4. National Board of Accreditation (NBA) Certified Programs

While AICTE approval validates the institution's existence, National Board of Accreditation (NBA) certification is the "gold standard" for specific programs. NBA accreditation confirms that a department follows outcome-based education models, ensuring graduates possess the competencies required by global industries.

Accredited Program	NBA Tier	Validity Period
Electronics and Communication Engineering (EC)	Tier II	Valid until June 2027
Petroleum Engineering (PE)	Tier II	Valid until June 2027

By maintaining these standards, JCTCET aligns its core and specialized departments with international quality benchmarks, facilitating better placement opportunities and global mobility for its students.

5. Undergraduate Program Portfolio (TNEA 2026)

Choosing a branch involves a strategic assessment of traditional core engineering versus "new-age" specializations. For 2026 candidates, JCTCET offers a unique advantage: it hosts niche career pathways in Petroleum Engineering, Petrochemical Engineering, and Food

Technology—specializations that are uncommon in the broader Coimbatore engineering cluster.

Branch Name	Branch Code	Approved Intake (2025-26)	Designation
Artificial Intelligence and Data Science	AD	180	New-age branch
Computer Science and Engineering	CS	180	
Electrical and Electronics Engineering	EE	30	
Petroleum Engineering	PE	60	Niche Pathway
Petrochemical Technology	PC	60	Niche Pathway
Biotechnology and Biochemical Engineering	BC	60	New-age branch
Civil Engineering	CE	30	
Computer Science and Business System	CB	90	New-age branch
Electronics and Communication Engineering	EC	120	
Mechanical Engineering	ME	30	
Food Technology	FD	60	Niche Pathway

The delivery of this diverse curriculum is managed by a faculty body committed to academic advancement and leadership.

6. Faculty Profile and Academic Leadership

Faculty expertise is the primary driver of student learning outcomes and research mentorship. High ratios of PhD-qualified professors typically indicate an environment rich in technical inquiry and mentorship.

As per the 2018-19 data recorded in the NAAC SSR, the institution maintained a sanctioned strength of 162 teaching faculty. At that time, 28 members held PhDs, while the institution reported that most other faculty members were actively pursuing their doctoral degrees. The faculty distribution included:

- **Professors:** 16
- **Associate Professors:** 28

- **Assistant Professors:** 118

The college's academic and administrative standards are currently overseen by **Dr. S. Manoharan** (Principal) and **Dr. D. Elangovan, M.E., Ph.D.** (Controller of Examinations). This leadership team ensures the institutional standards transition smoothly into student-facing infrastructure.

7. Residential Life and Campus Connectivity

Safety, student welfare, and ease of commute are central concerns for parents, particularly in a rural setting. JCTCET provides a secure, self-contained campus designed to support a residential learning model.

Hostel and Mess Facilities: The college provides separate permanent hostel facilities for boys and girls. The mess caters to a diverse student body, offering both vegetarian and non-vegetarian dining options.

Infrastructure and Safety: The 30-acre campus is equipped with:

- **Technology:** A student-to-computer ratio of 3:1.
- **Specialized Labs:** A CNC Machine Centre of Excellence (Department of Mechanical Engineering).
- **Safety & Reliability:** Full campus CCTV surveillance and dedicated power backup through maintained generators.

Connectivity Analysis: Located in Pichanur, the campus maintains specific transport links:

- **Rail:** Ettimadai Railway Station is approximately 5 km away.
- **City Access:** The campus is approximately 25–26 km from the Coimbatore Gandhipuram Town Bus Stand.
- **Transport:** The college operates a large fleet of buses serving various regional routes.

These logistical supports are complemented by financial access systems that lower the entry barrier for deserving students.

8. Scholarships and Financial Access

State and institutional financial aid are vital for ensuring that technical education remains accessible. JCTCET facilitates multiple government schemes and merit-based institutional supports.

Government Scholarships:

- SC/ST Tuition Fee Scholarship
- BC / MBC / DNC Scholarship

- First Graduate Scholarship
- Post-Matric Scholarship for OBC
- Minority Scholarship (Ministry of Minority Affairs)

Institutional Merit Scholarships: The JCT Institution provides scholarships based on merit, previous academic performance, and annual family income to support students who show high academic potential despite financial constraints.

9. Research, Innovation, and Industry Partnerships

In a global economy, an institution's value is often measured by its industry links and research output. JCTCET fosters an innovation culture through the Institute Innovation Council (IIC) and large-scale academic events. Notably, the 2025 AICTE-sponsored international conference on Electrical Science received a massive 1,432 paper submissions, highlighting the college's research reach.

The institution maintains a robust portfolio of MOUs to bridge the gap between classroom theory and industry practice:

Company / Institution	Department / Focus	Year
University of Cagliari, Italy	International Academic Partnership	2024
ACCENT TECHNO SOFT	Engineering – General	2025
CYBERARAN PRIVATE LIMITED	Engineering – General	2024
GATEWAY SOFTWARE SOLUTION	CSE	2024
Emglitz Technologies, Coimbatore	CSE	2023
PUMO Technovation India Pvt Ltd	EEE	2023
SRS Solar Systems, Coimbatore	EEE	2023
SUN V TECHNOLOGY, Coimbatore	Mechanical	2023
HVA Chemical Solution Pvt Ltd	Petrochemical	2023
VJ Biotech	Biotechnology	2022
Viyen Biotech LLP	Biotechnology	2022
SAI Builders & Contractors	Civil	2023
Isha Digital Surveyors	Civil	2023

Lasak Techno Institute	Engineering	2023
Synovers, Coimbatore	Engineering	2023

10. Institutional Achievements and Distinctions

Objective recognition from national bodies and university partners serves as a scorecard for institutional performance. JCT College of Engineering and Technology has earned the following distinctions:

- **AICTE-Sponsored Conference (2025):** International Conference on Recent Trends in Electrical Science and Technology (1,432 submissions).
- **AICTE-Sponsored Conference (2022):** International Conference on Advances in Petroleum, Petrochemical and Food Processing Industries (ICAPPCFPI'22).
- **Autonomous Status:** Conferred by Anna University (Confirmed via TNEA 2025 portal).
- **NAAC Accreditation:** Awarded Grade A with a CGPA of 3.05 in the first cycle.
- **UGC Recognition (2016):** Recognized under Section 2(f) by the University Grants Commission.
- **NBA Accreditation (ECE):** Valid through June 2027 (National Board of Accreditation).
- **NBA Accreditation (PE):** Valid through June 2027 (National Board of Accreditation).

11. Mandatory Closing and Branding

Information sourced from the college's official website, TNEA portal, and government data sources as available at time of preparation. Details may change — verify with official portals and the college website before making admission decisions.

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