

Institutional Profile: Cape Institute of Technology (TNEA Code 4953)

1. Identity and Core Administrative Data

Verifying the fundamental administrative identity of an institution is a critical first step for the 2026 admission cycle. Ensuring that the TNEA code and university affiliation match official regulatory data is essential for students to guarantee they are applying to a correctly accredited and recognized entity. Proper identification prevents administrative discrepancies during the state-wide counseling process.

Field	Details
Full Name	Cape Institute of Technology
Short Name	CAPE
TNEA Code	4953
Institution Type	Self-Financing Engineering Institution
City/Location	Levengipuram, Tirunelveli District
Affiliating University	Anna University, Chennai
Admission Route	TNEA (65% Government Quota / 35% Management Quota)

Gender Profile	Co-educational
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These administrative parameters form the institutional framework, which is rooted in its establishment as a technical education provider in the southern region of Tamil Nadu.

2. Founding Story and Institutional Heritage

The establishment of an institution in 2001 provides a multi-decade operational context, allowing for the stabilization of academic and administrative protocols within the self-financing sector. Cape Institute of Technology has operated continuously for over twenty years, providing a historical baseline for its engineering programs.

The institution was established under the management of the Cape Education Trust. Its initial academic offerings included B.E. programs in Computer Science and Engineering, Electronics and Communication Engineering, and Information Technology.

Chronological Milestones:

- **2001:** Commencement of operations with CSE, ECE, and IT programs.
- **2005:** Introduction of Electrical and Electronics Engineering and Mechanical Engineering (initial intake of 60).
- **2008:** Introduction of Civil Engineering; establishment of the Cape Renewable Energy Research Centre (CRERC) as a joint venture with the Centre for Wind Energy Technology (C-WET).
- **2012:** Expansion of Mechanical Engineering intake to 120; introduction of M.E. Energy Engineering; establishment of the Centre for Advanced Materials and the Centre for Alternate Fuels.
- **2013:** Initiation of the DST-funded Indo-Brazil bilateral project.
- **2023:** Introduction of B.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning).
- **2025:** Introduction of B.Tech Artificial Intelligence and Data Science.

This heritage provides the foundation for the institution's current regulatory standing and academic structure.

3. Regulatory Status: AICTE Approval

Active approval from the All India Council for Technical Education (AICTE) for the upcoming 2025-26 Academic Year is a non-negotiable baseline for the validity of technical education. This approval confirms that the institution meets national standards for

curriculum, infrastructure, and faculty requirements for the granting of engineering degrees.

Cape Institute of Technology has confirmed AICTE approval for the Academic Year 2025-26. This status ensures the institution operates within the authorized framework for the engineering branches offered.

4. UG Programs and Seat Matrix

The academic scope of an engineering college is defined by its range of disciplines and its institutional capacity as reflected in seat counts. A diverse selection of branches indicates the scale of the academic environment and the breadth of technical training available to students.

Program Name	Branch Code	Approved Intake	Year Started
Computer Science and Engineering	CS	120	2001
Mechanical Engineering	ME	90	2005
Electronics and Communication Engineering	EC	60	2001
Information Technology	IT	60	2001
Electrical and Electronics Engineering	EE	60	2005
Civil Engineering	CE	30	2008
CSE (Artificial Intelligence and Machine Learning)	AM	30	2023

Artificial Intelligence and Data Science	AD	30	2025
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Note on Artificial Intelligence and Data Science (Branch Code: AD): This program is currently Subject to Anna University Approval. Candidates must verify the final approval status specifically for the TNEA 2026 cycle before final registration.

5. Hostel and Campus Infrastructure

The availability of permanent on-campus accommodation is a significant factor for outstation students, as it ensures a stable and secure learning environment. Permanent infrastructure, as opposed to temporary leased facilities, signifies a long-term institutional commitment to student residential welfare.

Residential Facilities:

- **Boys Hostel:** Available (Permanent accommodation).
- **Girls Hostel:** Available (Permanent accommodation).
- **Mess Facilities:** Provides both Vegetarian and Non-Vegetarian options for all residents.

Campus Amenities: The institution provides resources to support both technical studies and extracurricular development:

- Wi-Fi enabled classrooms and campus-wide internet access.
- Specialized departmental laboratories, including 9 named laboratories in the Mechanical Engineering department with dedicated research groups in Energy Research, Computer Aided Engineering, and Manufacturing Engineering.
- An 800-seat Indoor Auditorium and additional mini indoor auditoriums.
- A virtual classroom, gymnasium, and library.
- Sports facilities and an on-campus canteen.

These facilities are designed to provide the necessary infrastructure for day scholars and residents alike.

6. Transport and Connectivity

Regional connectivity determines the feasibility of an institution for day scholars across the Tirunelveli and Kanyakumari districts. A dedicated transport network is essential for maintaining accessibility from various urban and rural centers in the southern region.

The college is located approximately 65 km from Tirunelveli and 20 km from the Kanyakumari Junction railway station. To facilitate access, the college operates a bus network covering the following key areas:

- **Tirunelveli Route:** Tirunelveli, Nanguneri, Vavaikulam, Vallioor, Panankulam, Kavalkinaru, Pazhavor.
- **Nagercoil / Aralvaimozhy Route:** Thalakudi, Vadaseri, Vellamadam, Thovali, Aralvaimozhy, Kavalkinaru.
- **Kanyakumari Area Route:** Rajakamangalamthurai, Suchendram, Mylady.
- **Local Specialized Routes:** Dedicated buses for the Thadikarakonam and Radhapuram areas.

Transport Charges:

- Minimum Charge: ₹5,000
- Maximum Charge: ₹18,000

7. Scholarships and Financial Access

Government-mandated scholarships are vital for making engineering education accessible to diverse socio-economic groups. These programs ensure that eligible students can pursue technical degrees under state and central government support frameworks.

The following scholarships are **available to eligible students at this institution**:

- SC/ST Scholarship (Government of Tamil Nadu / Central Government)
- BC/MBC Scholarship (Government of Tamil Nadu)
- Tamil Nadu Government Engineering Scholarship

These financial assistance programs are implemented according to the prevailing norms for self-financing engineering colleges in Tamil Nadu.

8. Research, Innovation, and Industry Partnerships

The technical ecosystem of a self-financing institution is enhanced by external research funding and industry collaborations. These partnerships provide faculty and students with exposure to advanced manufacturing, renewable energy, and real-world engineering challenges.

A. Funded Research & Centers

Project / Centre	Funding Body	Year
DST-funded Indo-Brazil Bilateral Project (Advanced Materials/Manufacturing)	Department of Science and Technology (Govt. of India)	2013
Cape Renewable Energy Research Centre (CRERC)	Joint Venture with C-WET (Govt. of India)	2008

B. Industry MOUs

Partner	Nature of Partnership
ISRO (Mahendragiri)	Advanced machining laboratory and student skill development
Suzlon	Renewable energy research and expertise sharing
Aradu Vaayu Wind Mill	Facilities and expertise sharing
Trio Technologies	Five-year MOU (established 2018)
Shree Ganesh Pvt. Ltd.	Seven-year MOU (established 2013)
Cromwell Energy Pvt. Ltd.	Ten-year MOU (established 2013)
Educad Technologies	Six-year MOU (established 2013)

9. Institutional Achievements and Distinctions

Historical achievements, such as securing significant government research grants and hosting international conferences, serve as indicators of departmental maturity and technical capacity.

- **Research Grant (2013):** Secured a one-crore rupee grant from the Department of Science and Technology (DST), Government of India, for an Indo-Brazil Bilateral Research Project in Mechanical Engineering.
- **C-WET Joint Venture (2008):** Establishment of the Cape Renewable Energy Research Centre (CRERC) in collaboration with the Centre for Wind Energy Technology (C-WET).
- **International Conference (2017):** Hosted ICAMM 2017 (Advanced Materials and Manufacturing) featuring Chief Guest Mr. Y. Meenakshy Sundaram Pillay from NLC India.
- **International Conference (2015):** Hosted ICAMM 2015 with international delegates, including Prof. Dr. Sandro Campos Amico from Universidade Federal do Rio Grande do Sul, Brazil.

These distinctions highlight the institution's historical focus on energy research and material sciences within its technical curriculum.

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. Explore more engineering colleges at profsam.com — your trusted guide for 12th to engineering admissions. Article Researched & Curated by profsam.com | Engineering சேருங்க Season 1

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