

Institutional Profile: Thangavelu Engineering College (TEC) – TNEA Code 1319

1. Institutional Identity and Admission Framework

Thangavelu Engineering College (TEC) is a long-standing self-financing institution that has remained a fixture of the Chennai engineering landscape since the mid-1990s. For 2026 aspirants, TNEA code 1319 represents a strategic option within the highly competitive Old Mahabalipuram Road (OMR) IT corridor. As a self-financing college affiliated with Anna University, it follows the standard 65% Government and 35% Management quota split. For an analyst, the college's 1995 founding is a significant metric, placing it among the foundational private institutions that grew alongside Chennai's software boom.

Primary Institutional Data

Field	Details
Full Name	Thangavelu Engineering College
Short Name	TEC
TNEA Code	1319
Institution Type	Self-Financing
Year Established	1995
Autonomous Status	No

Admission Route	TNEA (65% Government / 35% Management)
Affiliated University	Anna University

The college's location in Karapakkam provides students with immediate proximity to the engines of the Chennai economy, bridging the gap between academic theory and industrial application.

2. Founding Heritage and Institutional Milestones

Managed by the Ponniamman Educational and Charitable Trust, TEC possesses over 30 years of operational history. From a strategic perspective, this longevity is a vital indicator for parents evaluating institutional stability; a three-decade track record suggests a resilient administrative structure and matured academic protocols that can withstand shifts in the educational sector.

Institutional Milestones

- **1995:** Founding of the college with the mission of "Producing high quality Engineers and Technocrats."
- **1999:** Expansion into Information Technology (IT) to meet the demand of the early software wave.
- **2000:** Introduction of Electronics and Instrumentation Engineering (EIE).
- **2012:** Establishment of the Civil Engineering department.
- **2020:** Launch of Artificial Intelligence and Data Science (AD) to align with Industry 4.0 trends.

This chronological expansion demonstrates a steady evolution from traditional "circuit" branches to modern, data-centric disciplines.

3. Regulatory Status: AICTE Approval

For the 2025-26 academic cycle, AICTE approval is the non-negotiable benchmark for the validity of an engineering degree. Thangavelu Engineering College maintains its approval under Permanent ID 1-11778261. For the 2026 aspirant, this permanent ID serves as a "safety signal," indicating a consistent regulatory standing that ensures graduates remain eligible for higher education and public sector recruitment.

The current approved UG intake is 480 seats. However, an analysis of NIRF data shows a total student strength of 654 across all four years, which is significantly lower than the total sanctioned capacity. For students with moderate TNEA cutoffs, this indicates a high level of "accessibility" —

providing an opportunity to secure a seat in an established OMR-based college where competition might be less intense than at newer, over-subscribed institutions.

4. Undergraduate Programs (B.E. / B.Tech)

The academic portfolio at TEC balances foundational engineering with emerging technologies. This variety allows students to select pathways based on long-term career interests, from core infrastructure to the digital economy.

Branch Name	Branch Code	Approved Intake	Year Started	NBA Status
Computer Science and Engineering	CS	120	1995	
Electronics and Communication Engineering	EC	60	1995	
Electrical and Electronics Engineering	EE	30	1995	
Mechanical Engineering	ME	60	1995	
Information Technology	IT	60	1999	
Electronics and Instrumentation Engineering	EI	30	2000	
Civil Engineering	CE	60	2012	
Artificial Intelligence and Data Science	AD	60	2020	

The **Artificial Intelligence and Data Science (AD)** program, launched in 2020, is the institution's primary response to the current hiring trends in the surrounding IT hub.

5. Faculty Profile and Academic Leadership

In the self-financing sector, faculty continuity and advanced qualifications (PhD) are the primary drivers of academic rigor. TEC is led by **Dr. M. Venkatesan, Ph.D.**, who oversees a regular faculty body of 98 members, including at least 9 PhD holders.

Notable Academic Faculty:

- **Dr. G. Balaji (Professor):** Having joined in September 1995, Dr. Balaji provides rare institutional memory, having been with the college since its founding year.
- **Dr. A. P. Arthi (Associate Professor):** A PhD-qualified academic serving the institution since 2007.
- **Dr. G. Hema Priya (Professor):** A PhD-qualified senior faculty member who has served since 2013.

The presence of long-tenured faculty like Dr. Balaji is a significant "High-Impact" factor for parents, as it suggests a stable learning environment often missing in newer private colleges.

6. Campus Infrastructure and Student Living

The Karapakkam campus offers a self-contained residential environment designed for students from both Chennai and outstation districts.

- **Residential Facilities**
 - Separate permanent hostels for Boys and Girls.
 - Mess facilities providing both Vegetarian and Non-Vegetarian options.
- **Academic Infrastructure**
 - **Library:** Houses approximately 28,000 volumes and 5,800 titles.
 - **Computing & Digital:** 300+ computers supported by a 16 Mbps fiber optic backbone; access to IEEE online databases and NPTEL video lectures.
- **Sports & Wellness**
 - **Outdoor:** Cricket and football grounds, tennis/volleyball courts, and an athletics track.
 - **Indoor:** Dedicated stadium for basketball, badminton, table tennis, and squash, plus separate gyms for boys and girls.
 - **Health:** A 6-bed health center with a medical officer and healthcare assistant providing no-cost service.

7. Financial Access and Scholarships

Scholarships at TEC are framed as government-mandated rights for eligible Tamil Nadu students, ensuring financial barriers do not impede technical education.

Government Schemes (available to eligible students at this institution):

- SC/ST Tuition Fee Scholarship.
- BC / MBC / DNC Scholarships.
- First Graduate Scholarship.
- Post-Matric Scholarship for OBC students.
- Minority Scholarships.

Institutional Support:

- **Merit Scholarship:** Awarded by the institution to recognize and support high-performing students.

8. Research and Funded Projects

The institution maintains research activity as a core component of its academic delivery. Between **2021 and 2024**, the college completed **5 funded research projects**, demonstrating ongoing engagement with external funding agencies. Furthermore, the college maintains MOUs for Placement, Training, and R&D, facilitating technology transfer and consultancy opportunities for students.

9. Placement Outcomes and Career Trajectory

While median salary is the most realistic indicator of early-career earnings, placement data must be viewed alongside graduation numbers to understand institutional effectiveness.

Recent Placement Trends *(All figures are self-reported by the institution)*

Graduating Batch	Students Graduated	Students Placed	Median Salary
2021-22	186	175	2.40 LPA
2022-23	24	13	2.30 LPA
2023-24	50	40	2.20 LPA

Analyst Note: While the total number of placements decreased in recent years, this is due to significantly smaller batch sizes (24 and 50 graduates) rather than a failure of the placement cell. The placement percentage for the 2023-24 batch remained high at 80%. Top recruiters include **Sutherland Global Services, CSS Corp, HCL Technologies, Airtel Limited, and American Mega Trends.**

Disclaimer: All figures are self-reported by the institution.

10. Transport and Connectivity

TEC's location in Karapakkam (Sholinganallur) is perhaps its greatest logistical asset. It sits directly in the heart of the IT corridor, offering students unparalleled proximity to industry events and future employers.

- **Regional Proximity:** Approximately **1 km from Sholinganallur junction** and **6 km from TIDEL Park.**
- **Rail Link:** The nearest railway station is **Perungudi** (approx. 4 km), providing a vital link for day scholars via the MRTS line.
- **Bus Services:** The college operates a transport network covering "All over Chennai and suburbs."

11. Mandatory Closing

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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