

Institutional Profile: Velammal Engineering College (Autonomous), Chennai — TNEA Code 1120

1. Institutional Identity and Administrative Framework

For a TNEA aspirant, understanding the administrative identity of a college is critical for evaluating the long-term agility and value of the degree. Velammal Engineering College operates under an autonomous framework while remaining affiliated with Anna University. This strategic status is significant: it empowers the institution to design and implement its own curriculum and assessment framework, ensuring academic content remains responsive to industry shifts. Simultaneously, the final degree retains the global prestige and regulatory security of Anna University, providing a balance of flexibility and standardized excellence.

Field	Details
Full Name	Velammal Engineering College (Autonomous)
Short Name	VEC, Surapet
TNEA Code	1120
Institution Type	Self-Financing Autonomous Engineering College
Year Established	1995
Gender Profile	Co-educational

Affiliated University	Anna University, Chennai
Location	Velammal New Gen Park, Surapet, Chennai – 600066

The admission route is strictly categorized into 65% Government Quota (filled through TNEA counseling) and 35% Management Quota. This transparent split ensures that the student body is composed of both state-merit candidates and institutional selections.

The college's current administrative strength is built upon a significant historical foundation within the Tamil Nadu education sector.

2. Founding Heritage and Institutional Vision

Evaluating an institution requires a look at its governing trust, as the legacy of a multi-institution ecosystem often dictates the stability and resources available to a single college. The Velammal Educational Trust is a dominant force in the Tamil Nadu educational landscape, managing a vast network of schools and professional colleges. For parents, this legacy represents a proven commitment to educational infrastructure and a history of maintaining institutional discipline over several decades.

Founded in 1986 by Shri M. V. Muthuramalingam in memory of his mother, Smt. Velammal, the trust began with a single school in Mogappair before establishing the engineering college in 1995. The institution is guided by a specific vision: "To educate the student community both by theory and practice to fit in with the society and to conquer tomorrow's technology at global level with human values through our dedicated team." Since its inception, the trust has expanded into a comprehensive professional college ecosystem, characterized by a well-documented focus on academic rigour and student discipline.

This historical focus on high standards provides the framework for the college's ongoing regulatory compliance.

3. Regulatory Standing: AICTE Approval

The AICTE Extension of Approval (EoA) serves as the mandatory baseline for the legal validity of technical education in India. For students entering the 2025–26 academic year, this approval is the primary guarantee that the institution meets national standards for faculty-to-student ratios, laboratory infrastructure, and safety protocols. Degrees from non-approved institutions are not recognized for government employment or higher studies.

Velammal Engineering College operates under AICTE Permanent ID 1-22834965 and holds an active "APPROVED" status for the 2025–26 academic cycle. The sanctioned undergraduate intake for this period is 990 seats across its various programs. This approval confirms that the college is fully authorized to conduct its professional engineering programs for the upcoming admission season.

Beyond this baseline approval, the college maintains specific program-level benchmarks that indicate higher tiers of academic quality.

4. NBA Accreditation: Program-Level Quality Benchmarks

National Board of Accreditation (NBA) Tier I accreditation is a critical indicator of global degree recognition. Under the Washington Accord, degrees from NBA Tier I accredited programs are recognized as substantially equivalent in member nations, including the United States, United Kingdom, and Australia. For a graduate, this accreditation significantly simplifies the process of seeking international employment or pursuing postgraduate studies abroad, as it serves as a verified hallmark of employability and quality.

The following six undergraduate programs at Velammal Engineering College currently hold active NBA Tier I accreditation:

Branch Name	TNEA Branch Code	NBA Accreditation Validity
Computer Science and Engineering	CS	Accredited until December 2028
Electronics and Communication Engineering	EC	Accredited until December 2028
Electrical and Electronics Engineering	EE	Accredited until December 2028
Electronics and Instrumentation Engineering	EI	Accredited until December 2028

Information Technology	IT	Accredited until December 2028
Mechanical Engineering	ME	Accredited until December 2028

While these specific branches meet elite quality standards, the institution's overall standing is further validated by national and international ranking frameworks.

5. Verified Rankings and Institutional Ratings

Third-party rankings like NIRF and QS I-GAUGE provide an objective view of institutional stability versus temporary performance trends. While the National Institutional Ranking Framework (NIRF) is the Indian government's primary metric for quality, the QS I-GAUGE rating offers a globally-aligned benchmark for institutional facilities and academic outcomes.

- **QS I-GAUGE (2025):** The institution secured an "Overall Diamond" rating, indicating a high level of performance across infrastructure and teaching-learning categories.
- **NIRF Historical Data:** The college has previously secured national ranks, appearing in the 151–200 rank-band in 2017 and the 251–300 rank-band in 2020.
- **Current NIRF Status:** It is important to note for factual transparency that the institution did not appear in the NIRF Engineering rankings for the 2024 or 2025 cycles.

These metrics help contextualize the academic offerings available to students for the TNEA 2026 cycle.

6. Academic Portfolio: B.E. & B.Tech Programs (TNEA 2026)

In the current technical landscape, students must choose between established "Legacy" branches and "New-Age" specializations. Legacy branches (such as Mechanical and Civil) offer broad foundational skills and stability in core industries, while New-Age branches (like AI and Cyber Security) are designed for the high-growth digital economy. A diverse portfolio allows an institution to bridge the gap between traditional engineering principles and emerging technologies.

The following ten undergraduate programs are offered for the 2026 admission cycle:

S.No	Branch Name	TNEA Branch Code	Approved Intake (2025-26)	Year Started
1	Computer Science and Engineering	CS	240	1995
2	Electronics and Communication Engineering	EC	240	1995
3	Information Technology	IT	120	1999
4	Artificial Intelligence and Data Science	AD	120	2020
5	Electrical and Electronics Engineering	EE	60	1995
6	Mechanical Engineering	ME	60	1999
7	Computer Science and Engineering (Cyber Security)	SC	60	2023
8	Automobile Engineering	AU	30	2012
9	Civil Engineering	CE	30	2007
10	Electronics and Instrumentation Engineering	EI	30	2002

Emerging / New-Age Branches:

- B.Tech Artificial Intelligence and Data Science (AD) — Established 2020
- B.E. Computer Science and Engineering (Cyber Security) (SC) — Established 2023

These academic programs are supported by a physical campus designed to manage both residential and daily logistical needs.

7. Campus Infrastructure: Residential and Transport Logistics

Campus location and residential facilities significantly influence a student's ability to maintain academic focus. For students from outside Chennai, high-quality residential facilities are paramount, while for the city's day scholars, efficient transport connectivity is necessary to navigate the region's expansive geography.

- **Residential Facilities:** The college provides dedicated hostel accommodations for both boys and girls. The dining facilities offer both Vegetarian and Non-Vegetarian mess options to cater to a diverse student population.
- **Transport and Connectivity:** The college operates a transport network for day scholars. For those utilizing public transit, the Ambattur Railway Station is the nearest rail link, situated approximately 6 km from the campus.

Financial support mechanisms are also in place to ensure that these facilities and programs remain accessible.

8. Financial Access: Scholarship Frameworks

Scholarships are not merely financial aid; they are strategic tools that promote equitable access to high-quality technical education for students from varied economic backgrounds. By participating in government-mandated scholarship schemes, the institution ensures that merit and diversity are supported through formal financial frameworks.

The following government scholarship programs are available to eligible students at this institution:

- SC/ST Tuition Fee Scholarship (Government of Tamil Nadu)
- BC / MBC / DNC Scholarship (Government of Tamil Nadu)
- First Graduate Scholarship (Government of Tamil Nadu)
- Post-Matric Scholarships (Central Sector) for SC/ST/OBC/Minority
- AICTE Pragati Scholarship (for female students)
- AICTE Saksham Scholarship (for differently abled students)

These financial supports are a key component of the institution's historical achievements and reputation.

9. Institutional Milestones and Distinctions

The reputation of Velammal Engineering College within the TNEA ecosystem is founded on verified regulatory milestones and historical performance data. These markers provide a neutral assessment of the institution's maturity.

1. **NAAC Accreditation:** The college was awarded an 'A' Grade with a CGPA of 3.07 in its second cycle. Note: The NAAC validity ended in December 2024 and is currently expired as of March 2026.
2. **NBA Tier I Benchmarking:** Six core UG programs (CS, EC, EE, EI, IT, ME) are currently accredited until December 2028, ensuring international recognition.
3. **Historical Rankings:** The institution achieved rank-band 151–200 (2017) and 251–300 (2020) in the NIRF Engineering category.
4. **Institutional Rating:** Secured an "Overall Diamond" rating from QS I-GAUGE in 2025.
5. **Verified Outcomes:** Self-reported overall placement rate of 95% for engineering students, according to TNEA 2025 records.

While the college maintains a strong legacy of discipline and a significant number of accredited programs, the current expiration of its NAAC status and its absence from the most recent NIRF lists are factors that prospective students should monitor as part of their decision-making process.

10. 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. 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