

Institutional Profile: PET Engineering College (TNEA Code 4966)

1. Institutional Identity and Admission Framework

For a parent navigating the Tamil Nadu Engineering Admissions (TNEA) single-window system, identifying a college's administrative DNA is the first critical step in due diligence. The TNEA code, minority status, and university affiliation are not merely clerical details; they define the legal framework for seat allotment, fee structures, and the ultimate validity of the degree. These parameters dictate the split between the 65% Government quota and the 35% Management quota, ensuring the institution operates within the regulatory oversight of Anna University.

Field	Details
Full Official Name	PET Engineering College
Short Name	PETEC
TNEA Code	4966
Institution Type	Self-Financing, Muslim-minority
Affiliating University	Anna University, Chennai
Admission Route	65% Government / 35% Management

These foundational details establish the college's administrative standing. Crucially, TNEA code 4966 is the student's only mechanism to lock in a seat under the 65% government

quota; any deviation from this code during counseling risks exclusion from the state-regulated fee and allotment protections.

2. Founding Heritage and Mission

The establishment of PET Engineering College by the Popular Educational Trust (registered on 3 October 1996) represents a strategic effort to decentralize technical expertise in Southern Tamil Nadu. By opening the institution on 28 September 1998 in Vallioor, the Trust addressed a significant gap in accessibility for rural and semi-urban learners who previously lacked local options for professional education. The institutional mission focuses on empowering first-generation learners from these backgrounds with industry-relevant technical competencies.

The college's operational history is marked by consistent adherence to quality standards:

- **ISO Certification:** Maintenance of ISO 9001:2015 certification for administrative and academic processes.
- **Regional Recognition:** Recipient of the 2015 ICTACT Academic Partner Excellence Award from the ICT Academy of Tamil Nadu.

This heritage of rural engagement and steady growth provides the historical context for the institution's current regulatory compliance and campus operations.

3. Regulatory Approvals and Quality Accreditations

AICTE approval and NAAC status are non-negotiable benchmarks for institutional quality. These certifications act as a baseline guarantee that the college meets government-mandated infrastructure and pedagogical requirements. They also serve as the primary eligibility criteria for various state and central government scholarship schemes.

The current regulatory standing for PET Engineering College is as follows:

- **AICTE Approval:** Formally confirmed for the 2025-26 Academic Year.
- **NAAC Status:** Accredited with a **B+ Grade** and a **CGPA of 2.75**.

From an auditor's perspective, this B+ grade represents a solid mid-tier standing. While it indicates consistent compliance and quality, parents should view this as a realistic baseline for a regional institution compared to 'A' graded metropolitan colleges. These credentials collectively ensure the legal validity of the degree and the institution's eligibility for federal academic schemes.

4. NBA Accreditation Status

The National Board of Accreditation (NBA) signifies program-level excellence, focusing specifically on departmental curriculum and student outcomes. For the TNEA 2026 cycle, students should prioritize accredited branches because their quality marks are guaranteed at the time of entry. Graduation from an NBA-accredited program is vital for students seeking global mobility under the Washington Accord or admission into premier international higher education institutions.

Only the following programs have secured this distinction:

Accredited Program	Validity Period
Computer Science and Engineering	Valid until June 2027
Electronics and Communication Engineering	Valid until June 2027

The concentration of NBA accreditation in these two branches suggests a higher level of academic rigor and process maturity in the core technology departments compared to the non-accredited offerings.

5. Undergraduate Program Portfolio (TNEA 2026)

The curriculum portfolio for the 2026 cycle shows a balanced distribution between foundational engineering disciplines and modern data-centric specializations. This diversity is designed to accommodate both traditional industrial career paths and the evolving digital economy.

Branch Name	Branch Code	Approved Intake (2025-26)
Artificial Intelligence and Data Science	AD	60
Civil Engineering	CE	30

Computer Science and Engineering	CS	90
Electrical and Electronics Engineering	EE	30
Electronics and Communication Engineering	EC	60
Mechanical Engineering	ME	60

Note: The Artificial Intelligence and Data Science (AD) branch was introduced in 2021. This timeline is critical for the 2026 intake, as the first graduating batch will be entering the workforce just as the new cohort begins, providing the first measurable data on placement outcomes for this specialization.

The total sanctioned intake of 330 seats indicates a medium-scale campus environment that allows for departmental focus without the dilution of resources often seen in mega-campuses.

6. Faculty Expertise and Academic Environment

The presence of PhD-qualified faculty is the primary driver of academic rigor and research mentorship. High-quality faculty input is essential to ensure the curriculum is delivered with depth beyond basic textbook requirements. Furthermore, the student-faculty ratio serves as a key indicator of the personalized attention available to learners.

Based on the 2022-23 AQAR data:

- **Total Faculty Count:** 95.
- **Doctoral Qualifications:** 14 faculty members hold PhDs.
- **Academic Ratio:** The student-faculty ratio is approximately **10:1** (derived from a total student body of approximately 964 students), suggesting a favorable environment for individualized academic support.

This faculty density provides the necessary oversight for the college's laboratory and research activities.

7. Campus Infrastructure: Hostel and Transport Facilities

For outstation families, the logistics of the 36-acre Vallioor campus are a major consideration. A secure residential environment and robust transport redundancy are essential for maintaining a focused learning atmosphere.

Residential and Medical Facilities:

- **Boys Hostel:** 82 rooms available.
- **Girls Hostel:** 40 rooms available.
- **Health Services:** On-campus medical provisions include daily doctor visits and a dedicated ambulance for emergencies.

Transport and Connectivity: The college maintains a high degree of operational redundancy with a fleet of **22 buses plus 2 spare buses**. This network serves Nagercoil, Tirunelveli, Kayalpatnam, Kalakad, Kudankulam, and Ambai. For regional connectivity, the campus is located approximately 3 km from both the **Vallioor Railway Station** and the **Valliyur Bus Stand**, ensuring multiple layers of accessibility for both day scholars and residential students.

8. Financial Access and Scholarship Schemes

The variety of available scholarships is a critical mechanism for making engineering education accessible to diverse socio-economic groups. These schemes ensure that financial barriers do not preclude merit-based admission.

Eligible students can access the following support:

- **Government-Mandated Schemes:**
 - SC/ST Tuition Fee Scholarship.
 - BC/MBC/DNC Scholarships.
 - Minority Scholarships (National Scholarship Portal).
 - Post-Matric Scholarships for SC/ST categories.
- **Institutional and Trust-Based Support:**
 - Merit Scholarships (Academic performance).
 - Sports Scholarships (Athletic achievement).
 - Alumni Scholarships (Financial need).
 - Economically Weaker Background Scholarships (Popular Educational Trust).

These financial pathways are vital components for candidates navigating the TNEA counseling process.

9. Research Output and Publications

Institutional research activity is an indicator of intellectual vitality and the college's engagement with modern technological trends. By facilitating student projects and faculty

research, the college ensures the academic environment remains investigative rather than purely rote.

Key research metrics from the 2022-23 cycle include:

- **Academic Publications:** 31 research papers published in UGC-notified journals.
- **Grants:** Active student project grants funded by the Tamil Nadu State Council for Science and Technology (TNSCST).

Such activity validates the institution's commitment to contributing to the broader scientific community beyond basic degree delivery.

10. Notable Institutional Achievements

External awards provide an objective, third-party validation of a college's operational excellence. These recognitions offer a perspective on institutional quality that transcends internal marketing claims.

A prominent milestone for PETEC was the **"ICTACT Academic Partner Excellence Award,"** conferred by the ICT Academy of Tamil Nadu in 2015. This award serves as a third-party verification of the institution's industry-linkage efforts and its success in aligning its pedagogical environment with the state's technology ecosystem.

In summary, PET Engineering College is characterized by its rural mission, solid mid-tier regulatory standing, and a focused portfolio of core and modern engineering disciplines.

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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