

Panimalar Engineering College: A Detailed Profile for TNEA 2026

1. Institutional Identity & Admission Framework

For families navigating the Tamil Nadu Engineering Admissions (TNEA) process, a college's basic identity—specifically its counseling code and minority status—is more than just administrative data. As an auditor, I must emphasize that these factors dictate the specific "lane" a student occupies during seat allocation. In particular, the Christian Religious Minority status is a critical piece of counseling strategy: under the 35% management quota, the institution often prioritizes students from the minority community, which significantly alters the competitive landscape for those seats compared to non-minority institutions.

Core Identity Specifications

Field	Details
Full Name	Panimalar Engineering College
Short Name	PEC
TNEA Code	1210
Institution Type	Private Self-Financing Autonomous Engineering College
Admission Route	65% Govt Quota / 35% Mgmt Quota
Minority Status	Yes — Christian Religious Minority
Gender Profile	Co-educational
Autonomous Status	Yes
Affiliated University	Anna University, Chennai
Address	Bangalore Trunk Road, Varadharajapuram, Poonamallee, Chennai – 600 123
District	Thiruvallur

The admission route for the 2026 cycle is split between the TNEA single-window system (65%) and the management quota (35%). This structure requires parents to distinguish between merit-based state rankings and the internal selection criteria of a minority-designated campus.

2. Founding Heritage and Institutional Mission

The stability and quality of an engineering institution are often reflections of its founding trust's long-term vision. A well-established trust provides the financial and ideological scaffolding necessary to maintain academic standards, insulating the student experience from the volatility often seen in newer, less-capitalized institutions.

Panimalar Engineering College was established in 2000 by the **Jaisakthi Educational Trust** (registered in 1990). The college was founded on the Bangalore Trunk Road to align with the state's policy of expanding engineering education to support industrial and developmental projects.

Vision: "To transform the budding Engineers into academically excellent, highly intellectual and self disciplined engineering graduates to mold them as good citizens with the spirit of integrity and morality that would cater to the needs of our Nation."

Mission: "To impart quality education with high standards of excellence in engineering and technology, to provide an excellent infrastructure in a serene and conducive atmosphere that would motivate the students in their pursuit of knowledge in the field of engineering and technology."

The institution has transitioned from offering core foundational branches to integrating specialized "new-age" programs. This evolution is formally anchored by the regulatory approvals detailed in the following section.

3. Regulatory Approvals & Affiliation

AICTE approval and autonomous status are the primary benchmarks for institutional validity. While AICTE ensures a baseline of national standards, autonomy grants the college the flexibility to adjust its curriculum—a vital trait in an era of rapid technological shifts.

Current Regulatory Standing:

- **AICTE Approval:** Current for AY 2025-26 (Permanent ID: 1-4022409).
- **Affiliation:** Permanent affiliation with Anna University for all eligible courses.

4. National Rankings and Benchmarks

The National Institutional Ranking Framework (NIRF) acts as a high-integrity barometer for institutional health. Consistent placement within specific bands reflects a college's ability to maintain its teaching, research, and graduation outcomes relative to its peers.

National & Industry Rankings

Ranking Body	Category	2024 Rank	2025 Rank
NIRF Engineering	National Ranking	201–300 Band	201–300 Band
Dataquest T-School	T-School Survey	—	33 (2020 Survey)

Rank Movement Analysis: The institution has demonstrated significant stability, remaining within the **201–300 NIRF band** for two consecutive years (2024 and 2025).

5. Undergraduate Engineering Programs (TNEA 2026)

The sheer scale of an institution's intake capacity is a primary driver of campus dynamics. In the TNEA process, high-intake departments suggest massive infrastructure, but also a significantly higher level of internal competition for placement opportunities.

Branch Name (Full)	TNEA Branch Code	Approved Intake
Computer Science and Engineering	CS	960
Information Technology	IT	540

Electronics and Communication Engineering	EC	480
Artificial Intelligence and Data Science	AD	480
Computer Science and Business Systems	*See Note	240
Artificial Intelligence and Machine Learning	*See Note	240
Electrical and Electronics Engineering	EE	180
Mechanical Engineering	ME	90

- **Audit Analysis:** The **Computer Science and Engineering (CSE) intake alone (960 seats)** is larger than the entire student population of many smaller colleges. With a **total intake of 3,210 seats**.
- **Note on Branch Codes:** Branch codes for newer specializations (CSBS, AIML) are typically assigned during the 2026 TNEA session; aspirants should verify these in the 2026 TNEA seat matrix.
- **New-Age Branches (Post-2018):** AI & Data Science, Computer Science and Business Systems, and AI & ML.

6. Faculty Profile and Academic Leadership

Faculty qualifications, particularly PhD density, directly influence the quality of mentorship and research exposure. Under the leadership of **Principal Dr. K. Mani**, who holds a PhD in Mechanical Engineering (Refrigeration and Air-Conditioning), the institution maintains a cadre of PhD-holding Heads of Departments (HODs) including Dr. L. Jaba Sheela (CSE), Dr. S. Malathi (AI&DS), and Dr. S. Rajakumar (ECE).

The auditor's evaluation of NIRF data reveals that this faculty expertise translates into tangible institutional standing. The faculty's participation in research has secured approximately **11 Lakhs in sponsored research funding** over a three-year period (2021-2024), alongside consultancy income. While modest for the institution's scale, this validates the faculty's engagement with industry-relevant technical challenges.

7. Research, Innovation, and Industry Ecosystem

Research outputs and Industry Centres of Excellence (CoE) are the bridges between a syllabus and a career. For the student, these provide access to technical exposure beyond standard classroom hours.

The institution reports a high volume of intellectual property activity, with **37 Patents Granted in 2023** and 51 patents filed in the same year.

Industry-Linked Centres of Excellence

- **Tech Mahindra / Oracle / L&T:** Large-scale industry training.
- **LIRDigital:** Focused on **Generative AI**.
- **Atalon Product Centre:** Focused on NVH (Noise, Vibration, and Harshness) and NDT (Non-Destructive Testing).
- **Prag Robotics:** Intelligent systems and robotics.
- **Vimanam Air Technical:** Drone technology and aerial applications.
- **Flextronics (TANSAM/TIDCO):** Electronics manufacturing and services.

- **DeepSphere.AI:** Advanced AI training.
- **Openturf Technologies:** Real-world industry projects.

The college supports this ecosystem through an internal seed money scheme, funding research themes like autonomous drones, EVs, and IoT-based smart agriculture. These facilities provide the physical infrastructure needed to support the high-volume student intake.

8. Campus Infrastructure and Residential Facilities

A student's long-term academic focus is deeply affected by their physical environment. The **Central Library** is a significant resource, housing **86,218 volumes** and 22,455 titles, supplemented by AICTE-recommended e-journal packages.

For residential students, separate hostels for boys and girls provide structured environments, including a mess facility with both **vegetarian and non-vegetarian** options. A notable distinction for the college is its performance in the **Swachh Campus Rankings**, where it secured **1st Place** (Technical College - Residential category) in both 2018 and 2019, reflecting a disciplined approach to campus hygiene and maintenance.

9. Transport and Connectivity

Logistical accessibility is a paramount concern for day scholars in the Chennai/Thiruvallur region. The campus's location on the Bangalore Trunk Road provides necessary connectivity for the student body.

Key Transit Distances:

- **Avadi Railway Station:** ~4 km
- **Koyambedu Bus Stand:** ~15 km
- **Chennai Central:** ~18 km

The college operates its own fleet of buses, serving Chennai city and the surrounding Kancheepuram and Thiruvallur districts, ensuring reliable transit for those not residing in the hostels.

10. Scholarships and Financial Access

Scholarships are essential for ensuring diverse socio-economic access to engineering education. Families must distinguish between statutory government support and discretionary institutional aid.

- **Statutory Government Schemes:** SC/ST Tuition Fee Scholarship, BC/MBC/DNC Scholarships, and the First Graduate Scholarship. These are subject to strict government eligibility norms.
- **Minority Scholarships:** Available for eligible students from notified religious minority groups.
- **Audit Note on Institutional Support:** While the Jaisakthi Educational Trust provides support for "underprivileged and deserving" students, these criteria are **internal and**

institutional. Unlike government schemes, this aid is discretionary and subject to the Trust's specific evaluation processes.

11. Career Outcomes and Placements

Placement Audit (Batch 2023-24):

- **NIRF-Verified Placement: 84%** (1,249 students placed out of 1,491 graduates).
- **Self-Reported Figure:** The college has reported **98%** in some disclosures (e.g., TNEA 2025 booklet). This "delta" between regulatory filings and marketing figures is a hallmark of large-scale institutions and should be noted by families.
- **Median Salary: 4.02 LPA (₹4,01,988).**
- **Ecosystem:** Placements are largely driven by the same partners found in the CoE section, such as Tech Mahindra and Oracle.

Note: All placement figures are self-reported by the institution or derived from regulatory filings.

12. Institutional Achievements

- **Swachh Campus Rankings:** National 1st Place (Technical College - Residential) in 2018 and 2019.
- **NIRF Stability:** Consistent 201-300 rank band (Engineering) for 2024 and 2025.
- **Dataquest:** Ranked 33rd in the 2020 National T-School Survey.

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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