

Technical Profile: Ranippettai Engineering College (TNEA Code 1511)

1. Institutional Identity and Admission Framework

In the Tamil Nadu Engineering Admissions (TNEA) ecosystem, a college's identity markers—specifically its TNEA code and affiliation—serve as the primary verification points for aspirants. For Ranippettai Engineering College, these identifiers ensure the institution operates within the single-window admission system regulated by the Directorate of Technical Education (DoTE), Tamil Nadu. Confirming the institution type, gender profile, and exact locality is a critical first step for families to ensure the college aligns with their specific logistical and academic requirements.

Field	Details
Full Official Name	Ranippettai Engineering College
Short Name	REC Ranippettai
TNEA Code	1511
Institution Type	Self-Financing
Affiliating University	Anna University, Chennai
Locality	Thenkadappanthangal, Walajah Taluk, Ranipet District
Gender Profile	Co-educational
Admission Route	TNEA (65% Government Quota, 35% Management Quota)

The institution's operational philosophy is deeply rooted in its management structure, which has guided its development within the regional educational landscape for over two decades.

2. Founding Heritage and Regional Context

The longevity of an institution and the stability of its governing trust are often indicators of institutional resilience. In the competitive landscape of engineering education, colleges founded by established trusts often benefit from a more mature administrative framework and a clearer long-term vision for regional development.

Established in 1999, Ranippettai Engineering College was founded by the **Dr. B.R. Ambedkar Educational Trust**, an organization active in the educational sector since 1994.

Demonstrating a long-standing technical pedigree, the Trust's initial venture was the **Ranippettai Institute of Technology**, which offered diploma-level courses before evolving

into degree-level education. Operating under the motto "Excellence through Hard Work," the college is located in **Thenkadappanthangal** along the Chennai–Bombay Trunk Road, near the Chennasamudram Toll Gate. This strategic position serves as a key educational hub for the surrounding industrial and rural corridors.

This long-standing presence in the region reinforces the college's compliance with state and national regulatory standards.

3. Regulatory Compliance and Approval Status

For any engineering aspirant, verifying active AICTE approval for the upcoming academic year is a non-negotiable baseline. This approval ensures that the institution meets the minimum standards for faculty, infrastructure, and curriculum required to award a professional degree recognized nationwide.

Ranipettai Engineering College maintains full regulatory compliance for the upcoming academic cycle. The institution has **active AICTE approval for the Academic Year 2025–26**, as confirmed by official TNEA 2025 documentation. Furthermore, the college maintains its affiliation with **Anna University, Chennai**, ensuring that its academic curriculum and examination standards are aligned with one of India's premier technical universities.

These foundational approvals provide the necessary framework for the college's specific undergraduate program offerings.

4. Undergraduate Engineering Programs (TNEA 2026)

Choosing a branch of study requires a careful analysis of seat availability and regional industry demand. Seat intake figures reflect the institution's capacity to provide laboratory resources and faculty attention to its student body.

The following programs are available for the 2025–26 academic cycle:

Branch Name	Branch Code	Approved Intake (2025–26)	Year Started
Civil Engineering	CE	45	2013
Computer Science and Engineering	CS	45	1999
Electrical and Electronics Engineering	EE	60	1999
Electronics and Communication Engineering	EC	60	1999
Mechanical Engineering	ME	90	1999

Total Approved Intake: 300 seats

Strategic analysis of these figures reveals that **Mechanical Engineering** maintains the highest intake with 90 seats. Notably, the **lowest intake is shared by Civil Engineering and Computer Science and Engineering (CSE)** at 45 seats each. For an institution established in 1999, a CSE intake of only 45 suggests a selective or highly constrained department compared to the larger Mechanical department, a critical factor for TNEA aspirants assessing competition. While academic choices are paramount, they must be supported by the physical infrastructure available on campus.

5. Hostel and Campus Infrastructure

A conducive learning environment in engineering requires more than just classrooms; it necessitates a residential and support system that allows students to focus on rigorous technical training. On-campus facilities play a vital role in fostering a disciplined academic culture.

Ranipettai Engineering College provides permanent residential facilities for both male and female students. The campus infrastructure includes:

- **Hostels:** Separate permanent buildings for Boys and Girls.
- **Dining:** Mess facilities providing both Vegetarian and Non-Vegetarian options.
- **Campus Security & Connectivity:** 24/7 security services and Wi-Fi connectivity.
- **Library:** A well-resourced center featuring a range of books, journals, **online databases, and e-resources.**
- **Sports and Physical Education:** Facilities include sports grounds, indoor courts, and a gymnasium.
- **Health & Sustainability:** On-campus medical facilities for first-aid and emergencies, alongside green initiatives such as rainwater harvesting and solar power systems.

For students who do not reside on campus, the college maintains a dedicated transport network to bridge the gap between regional hubs and the institution.

6. Transport and Regional Connectivity

For colleges located along major arterial routes like the Chennai–Bombay Trunk Road, transport accessibility is a critical factor for day scholars. Efficient connectivity ensures that students from neighboring districts can access quality education without the burden of excessive commute times.

The campus in Thenkadappanthangal is accessible via the following networks:

- **Primary Towns Served:** Regular college transport services operate from **Vellore, Chennai, and Katpadi.**

- **Transit Hubs:** The **Walaja Road Railway Station** is approximately 6 km from the campus, while the major **Katpadi railway junction is located 37 km away**.
- **Proximity:** The college is situated roughly 6 km from the District Headquarters (Walajah), 30 km from Vellore, and 100 km from Chennai.

To ensure that these facilities and academic programs remain accessible to all segments of society, several financial support mechanisms are in place.

7. Scholarships and Financial Access

State and central government scholarship programs act as critical financial enablers for students entering self-financing institutions. These schemes significantly reduce the financial burden on eligible families.

Eligible students at Ranipettai Engineering College can access various financial aid programs, including:

- **State Government Schemes:** SC/ST Tuition Fee Scholarship, BC/MBC/DNC Scholarship, and the First Graduate Scholarship.
- **Central Government Schemes:** Post-Matric Scholarship for OBC and the **Minority Scholarship (Central)**.
- **Targeted Assistance:** The institution facilitates specific financial assistance for women students and the children of farmers, available to eligible students as per regulatory guidelines.

These mechanisms ensure that merit and aspiration, rather than financial standing, remain the primary drivers of admission.

8. Closing and Mandatory Disclaimer

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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