

# S.A. Engineering College (SAEC): Comprehensive Institutional Profile for TNEA 2026

## 1. INSTITUTIONAL IDENTITY & ADMISSIONS FRAMEWORK

From an institutional audit perspective, S.A. Engineering College (SAEC) is categorized as a mature, self-financing autonomous entity. For students navigating the Tamil Nadu Engineering Admissions (TNEA) cycle, the college's autonomy is a critical strategic factor; it allows for a curriculum that can pivot faster than non-autonomous peers to meet industry trends. Furthermore, its classification as a Telugu Linguistic Minority institution is an essential detail for the 2026 admissions cycle. While the standard seat sharing persists, this status can influence seat allocation nuances within specific counseling phases, potentially offering a distinct route for eligible linguistic minority candidates.

### Core Institutional Identity

Field	Details
Full Name	S.A. Engineering College (Autonomous)
Short Name	SAEC
TNEA Code	1114
Institution Type	Self-Financing Autonomous
Minority Status	Telugu Linguistic Minority
Gender Profile	Co-educational
Affiliated University	Anna University, Chennai

**Admission Route:** Undergraduate B.E./B.Tech admissions are strictly governed by the 65% Government quota (via TNEA counseling) and 35% Management quota split, as per the established norms for self-financing institutions in Tamil Nadu.

This regulatory framework supports an institution with deep roots in the suburban Chennai educational corridor.

## 2. FOUNDATIONAL HERITAGE & MISSION

SAEC has maintained a stable presence in the Chennai engineering landscape for over 25 years. This longevity is a primary indicator of institutional reliability; the college has successfully graduated over 50,000 students since its inception, suggesting a well-tested

administrative and academic machinery that distinguishes it from newer, less-established private colleges.

The college was established in the **1998-99** academic year by the **Dharma Naidu Educational and Charitable Trust**. It was founded under the leadership of the late **Thiru D. Sudharssanam, M.L.A.**, and named in memory of Sakuntala Ammal.

**Vision:** To aspire in education and research in engineering and management, fostering conversion of knowledge and providing technologically sustainable solutions to industry and society adhering ethical values.

**Mission:**

- Facilitating professional development and active learning for admissible engineering and management solutions.
- Promoting resourceful techniques in industrially collaborative research.
- Practising high standards of ethics while enabling a conducive environment for multi-disciplinary sustainable solutions.

**Key Milestones:** A significant regulatory shift occurred on **October 17, 2019**, when the institution was conferred **Autonomous status** by Anna University. This transition from a traditional affiliated model to an autonomous one serves as the current anchor for its academic and regulatory standing.

### 3. REGULATORY COMPLIANCE: AICTE APPROVAL

For the TNEA 2026 cycle, current AICTE approval is the non-negotiable baseline for institutional legitimacy. This approval confirms that the college adheres to mandated standards for infrastructure and faculty-to-student ratios, ensuring that degrees are recognized for government employment and global higher education.

For the **2025-26** Academic Year, SAEC is fully approved by AICTE. The total sanctioned undergraduate intake stands at **1,170 seats**, as recorded in the TNEA 2025 data. This broad approval provides the necessary legal foundation for the specialized program-level accreditations that follow. (Note: Institutional NAAC accreditation expired in late 2024 and is currently not active for the 2026 cycle).

### 4. NATIONAL BOARD OF ACCREDITATION (NBA) STATUS

NBA accreditation is a department-specific quality hallmark that validates global mobility. For students, graduating from an NBA-accredited "Tier II" program ensures their degree is recognized under the Washington Accord. Crucially, for the 2026-27 academic cycle, only three specific programs at SAEC hold this guaranteed quality stamp.

#### Current NBA Accredited Programs

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Program	Validity	Status
Electrical and Electronics Engineering	June 2027	Tier II
Electronics and Communication Engineering	June 2027	Tier II
Mechanical Engineering	June 2027	Tier II

*Auditor's Note: While other departments have held accreditation in the past, only the three listed above have validity extending through June 2027. Students prioritizing accredited quality should focus on these specific branches.*

## 5. NATIONAL AND PRIVATE RANKINGS

The institutional hierarchy of SAEC is characterized by a "mid-range" standing. While the college is a consistent participant in the National Institutional Ranking Framework (NIRF), its absence from the top-300 Engineering band in 2025 indicates a performance gap in research and national perception compared to Chennai's top-tier institutions.

- **India Today 2025 Rankings:** SAEC is ranked **146th** (Overall Engineering) and **116th** (Private Engineering). This reflects a moderate downward shift from 2024, where it held ranks of 136 and 107, respectively.
- **NIRF 2025:** SAEC is listed as a participating institution but did not secure a rank within the top 300 Engineering institutions.

These rankings suggest a college that serves as a solid regional choice but is still scaling its national competitive profile.

## 6. ACADEMIC PORTFOLIO: B.E. / B.TECH PROGRAMS

The academic portfolio has transitioned significantly, shifting focus from core engineering toward high-demand computer science specializations and semiconductor technology.

### Undergraduate Program List (TNEA 2025)

Branch Name	Branch Code	Approved Intake
Computer Science and Engineering	CS	300
Electronics and Communication Engineering	EC	180
Information Technology	IT	120
Electrical and Electronics Engineering	EE	120
Artificial Intelligence and Data Science	AD	120
Electronics Engineering (VLSI Design and Technology)	EV	60

Mechanical Engineering	ME	60
Computer Science and Business Systems	CB	60
CSE (Artificial Intelligence and Machine Learning)	AM	60
CSE (Cyber Security)	SC	60
Civil Engineering	CE	30

**Strategic Specializations (Established 2018 or later):**

- **Electronics Engineering (VLSI Design and Technology):** Launched in 2023, this is a strategic high-value choice for students targeting the India Semiconductor Mission and hardware/chip design sectors.
- **Computer Science and Business Systems:** Tailored for the modern tech-business interface.
- **Artificial Intelligence and Data Science:** Addressing the core of Industry 4.0 data requirements.
- **CSE (AI & ML) & CSE (Cyber Security):** Narrow specializations targeting high-growth digital infrastructure roles.

**7. FACULTY COMPOSITION AND RESEARCH OUTPUT**

The academic rigor of the institution is driven by a faculty body that balances teaching with active research. The ratio of PhD holders to overall faculty is a key indicator of the mentorship depth available for senior projects and research initiatives.

- **Faculty Strength:** 270 permanent faculty and 6 visiting faculty.
- **Qualification Density:** 67 permanent faculty members hold PhD degrees.

**Research & Intellectual Property Evaluation**

SAEC demonstrates a surprisingly high volume of intellectual property activity for a mid-range college.

- **Research Productivity:** Between 2022 and 2024, the faculty published 503 international journal papers. With 67 PhD holders, this represents a high research-per-PhD ratio, indicating an active scholarly culture.
- **Intellectual Property Leadership:** The institution reported a massive volume of patent filings (over 240) between 2022 and 2024. While only **15 patents have been granted** so far, this aggressive filing strategy shows a significant push toward building a patent-heavy institutional profile.

**8. CAMPUS INFRASTRUCTURE AND LOGISTICS**

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The 22-acre campus at Veeraraghavapuram is designed for high-density technical training, positioned strategically for students across Tiruvallur and Chennai.

- **Computing and IT Resources:** For a college with a 1,170 intake—weighted heavily toward computer-related branches—the presence of **22 dedicated computer labs** is a critical "So What" for parents evaluating technical resource availability.
- **Academic Facilities:** Includes 82 classrooms (50 with AV/ICT tools) and a library with 57,962 physical books.
- **Connectivity:** Located on the Poonamallee–Avadi Main Road, the campus is **7 km from Avadi Railway Station**.

### Residential Facilities

Facility	Details
<b>Hostels</b>	Separate buildings for Boys and Girls
<b>Catering</b>	Mess provides both Vegetarian and Non-Vegetarian options

This infrastructure supports a diverse student body, including those from rural backgrounds who require residential support.

## 9. SCHOLARSHIPS AND FINANCIAL ACCESS

To facilitate social mobility, government-mandated scholarships are available to eligible students at this institution. These are essential for ensuring that high-quality engineering education remains accessible to diverse economic segments.

### Eligible Schemes:

- **Post-Matric Scholarship:** Available for SC/ST students.
- **BC/MBC/DNC Scholarship:** Based on state government welfare norms.
- **First Graduate Scholarship:** For students who are the first in their family to pursue a degree.
- **AICTE Pragati & Saksham:** Specific federal schemes for girl students and specially-abled students, respectively.

## 10. PLACEMENT OUTCOMES AND CAREER TRAJECTORY

Placement performance provides the ultimate measure of institutional ROI. SAEC has shown a positive upward trend in the median salary, which is a key metric for TNEA 2026 applicants.

### Placement Trends (NIRF 2025 Data)

Year	Graduates	Students Placed	Median Salary

2021-22	492	396	3.5 LPA
2022-23	355	300	3.5 LPA
2023-24	323	300	<b>4.0 LPA</b>

*Note: All placement figures are self-reported by the institution. The jump to 4.0 LPA in the 2023-24 cycle indicates a significant improvement in the quality of job offers.*

**Recruiters:** Noted employers include **Renault Nissan, Foxconn, HCL, and Kyndryl**. While most graduates pursue immediate employment, a consistent group of **17 to 21 students** per year opt for higher studies, often at international or national postgraduate centers.

## 11. INSTITUTIONAL ACHIEVEMENTS

SAEC's institutional profile is highlighted by several consistent quality indicators:

1. **Consistent Private Ranking:** Ranked 146 in the India Today 2025 Engineering survey.
2. **Intellectual Property Growth:** Achieving 15 granted patents over the 2022-2024 period, marking a significant milestone in institutional research.
3. **Program Validation:** Maintenance of NBA accreditation for core branches (EEE, ECE, Mechanical) through June 2027, ensuring "Tier II" degree status for upcoming graduates.

These factors combined paint a picture of a stable institution that is actively modernizing its curriculum and research output.

## 12. CLOSING BRANDING AND 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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