

Institutional Profile: Shanmuganathan Engineering College (TNEA Code: 3918)

1. SECTION 1: IDENTITY & ADMISSION FRAMEWORK

Strategic planning for the TNEA 2026 choice-filling process begins with a precise verification of an institution's identity. Administrative details such as the TNEA counseling code and university affiliation are the primary safeguards for students, ensuring they select a recognized institution that operates within the standardized regulatory framework of Tamil Nadu's technical education system.

Field	Details
Full Name	Shanmuganathan Engineering College
Short Name	SEC
TNEA Code	3918
Institution Type	Self-Financing
City/Location	Arasampatti, Pillivalam Post, Thirumayam Taluk, Pudukkottai District
Year Established	2001
Affiliated University	Anna University, Chennai
Admission Route	Government quota 65% + Management quota 35%
Gender Profile	Co-educational

The "So What?" Layer The TNEA code **3918** is the definitive identifier used during the online counseling portal to distinguish this institution from others. Furthermore, its affiliation with Anna University ensures that the academic curriculum, examination standards, and final degree conferral are governed by the state's premier technical university, providing a uniform level of academic rigor.

Connective Tissue: While the college's current identity is defined by these regulatory markers, its operational stability is rooted in its founding history and management legacy.

2. SECTION 2: FOUNDING HISTORY & INSTITUTIONAL HERITAGE

The origins of a college and the profile of its managing trust are vital indicators of institutional commitment for parents prioritizing long-term academic stability. An institution with a multi-

decadal presence in a region often demonstrates a more mature administrative structure and a deeper integration with the local educational landscape.

Shanmuganathan Engineering College was established on July 2, 2001, by the Shanmuganathan Educational Trust. The institution was founded by Mrs. Pichappa Valliammai in memory of P. Shanmuganathan. The trust, registered on February 18, 1997, oversees the 25.12-acre campus which has graduated approximately 9,000 students to date.

- **Mission:** To provide the highest quality academic programs that foster students' development and connect knowledge and practice.
- **Vision:** To evolve as a Center of Academic and Research excellence by providing quality education through modern infrastructure facilities and to serve the Rural people, Nation and the World through our Professional Graduates energized to become Leaders, Entrepreneurs and interpreters in their Profession.
- **Motto:** Strive-Excel-Create.

The "So What?" Layer An institutional history exceeding 20 years, combined with the "Strive-Excel-Create" motto, reflects a sustained commitment to the Pudukkottai region. For students in rural areas, this longevity suggests a reliable educational environment that has successfully navigated multiple cycles of industry and regulatory change.

Connective Tissue: This established history is reinforced by the college's strict adherence to national regulatory standards.

3. SECTION 3: REGULATORY STATUS (AICTE)

AICTE approval is the mandatory legal prerequisite for the validity of any engineering degree in India. It serves as a guarantee that the institution maintains the required standards regarding infrastructure, faculty qualifications, and academic delivery, which are essential for graduates seeking government employment or higher studies.

- **AICTE Approval Status:** Confirmed for Academic Year 2025-26.
- **Total AICTE-Approved UG Intake:** 270 seats.

The "So What?" Layer The confirmation of AICTE approval for the 2025-26 cycle is a non-negotiable requirement for the institution's participation in the TNEA 2026 counseling. For prospective applicants, this status confirms that the seats offered are recognized by the national regulator for technical education.

Connective Tissue: These approvals govern the specific distribution of seats across the various academic departments.

4. SECTION 8: UG ACADEMIC PROGRAMS (TNEA 2026)

The evolution of engineering branches at an institution reflects its alignment with global industrial shifts. Understanding the specific seat counts is crucial for students, as it directly impacts the probability of securing a seat during the competitive counseling rounds.

Branch Name	Branch Code	Seat Count	Year Started
Computer Science and Engineering	CS	60	2001
Electrical and Electronics Engineering	EE	30	2001
Electronics and Communication Engineering	EC	30	2001
Mechanical Engineering	ME	30	2005
Civil Engineering	CE	30	2012
Cyber Security (New-Age Branches 2018+)	SC	30	2023
AI and Machine Learning (New-Age Branches 2018+)	AM	30	2023
Information Technology (New-Age Branches 2018+)	IT	30	2025*
AI and Data Science (New-Age Branches 2018+)	AD	30	2025*

The "So What?" Layer The curriculum reflects a significant shift toward digital and intelligence-based engineering. The inclusion of new-age branches like Cyber Security and AI/Data Science indicates that the institution is modernizing its academic portfolio to meet the demands of the software and automation industries.

Connective Tissue: The delivery of these modern programs is supported by the academic leadership and technical expertise of the faculty.

5. SECTION 9: FACULTY PROFILE & ACADEMIC LEADERSHIP

The correlation between faculty stability, advanced qualifications, and classroom quality is well-established. A high density of PhD-holding educators often translates to a more research-oriented environment and greater depth in technical instruction.

- **Total Faculty Count:** 78
- **Faculty with PhDs:** 7
- **Student-Faculty Ratio:** 1:15

Notable Academic Leadership:

- **Dr. K.L. Muthuramu (Principal):** M.E.(W.R.), M.E.(S.E.), Ph.D. in Structural Engineering.
- **Dr. M. Varadarajan:** Ph.D. in Power Systems Engineering (EEE).

- **Dr. Chandran A:** Ph.D. in Environmental Engineering (Civil).
- **Dr. Selvakumar D:** Ph.D. in Environmental Engineering (Civil).
- **Dr. Sai Shanmuga Raja V:** Ph.D. in Computer Science and Engineering (specializing in CSE with 6 international journal publications).

The "So What?" Layer The 1:15 student-faculty ratio allows for more direct engagement between students and instructors. Furthermore, the concentration of PhD qualifications in Structural and Environmental Engineering directly supports the Civil Engineering department, while specialized PhDs in Power Systems and CSE provide high-level academic oversight for the EEE and computer-centric branches.

Connective Tissue: This academic interaction occurs within a campus infrastructure designed to support both residential and logistical needs.

6. SECTION 11 & 12: CAMPUS INFRASTRUCTURE, HOSTEL & TRANSPORT

For parents, logistical infrastructure—including safety, dining, and daily accessibility—is often as important as academic prestige. A robust transport and residential system ensures that students can focus on their studies without logistical distractions.

- **Residential:** Separate permanent hostels for Boys and Girls. Accommodation is non-AC, featuring fans, cots, and mattresses. Both vegetarian and non-vegetarian mess facilities are available. A **Part-time Medical Officer** is available for students.
- **Transport:** A fleet of 15 buses and 7 vans serves 10 major routes. Specific towns served include Pudukottai, Devakottai, Karaikudi, Aranthangi, Ponnamaravathy, Singampunari, and Tirupatthur.
- **Logistics:** The campus is located approximately 3 km from the Thirumayam Railway Station.
- **Facilities:** The 25.12-acre campus includes a canteen for meals and snacks, 350 computer systems, and 100 Mbps Wi-Fi. The library holds 38,000+ volumes with digital access (DELNET, NDL). Power is supported by a 10 KW solar plant and standby generators (125 KVA and 75 KVA). Sports facilities include an athletic track and a gymnasium.

The "So What?" Layer The 100 Mbps Wi-Fi and solar power backup provide the necessary technical foundation for modern engineering projects. The extensive transport network, reaching 13 towns, makes the institution a practical choice for students residing in the Sivagangai and Karaikudi areas, while the presence of an on-campus canteen and medical officer addresses basic student welfare.

Connective Tissue: Physical infrastructure is complemented by financial support systems that ensure these facilities remain accessible to all students.

7. SECTION 13: SCHOLARSHIPS & FINANCIAL ACCESS

Government and institutional financial aid play a critical role in making engineering education accessible, particularly for first-generation learners and families from rural backgrounds.

- **Government Schemes:** Eligible students can access Tamil Nadu State scholarships (SC/ST, BC/MBC/DNC, and First Graduate) and Central Government schemes (Post-Matric OBC and Minority scholarships).
- **Institutional Aid:** The college offers merit-based fee concessions for students who scored 400+ marks in their Higher Secondary examinations.
- **Incentives:** Cash awards are provided for 100% attendance and high semester grades.

The "So What?" Layer The availability of both state-mandated and institutional scholarships significantly lowers the financial barrier to entry. This dual support system incentivizes academic excellence while ensuring that economic constraints do not prevent high-achieving rural students from pursuing a professional degree.

Connective Tissue: Beyond standard academics and financial aid, the institution provides specialized centers for practical innovation.

8. SECTION 10: RESEARCH & INNOVATION

Dedicated research and incubation cells are vital for students who intend to move beyond theoretical learning toward entrepreneurship and industrial problem-solving.

- **R&D Cell:** Located within the Civil Engineering department, focusing on research harmonization.
- **Incubation Centre:** Established to foster a startup mindset among the student body.
- **Practical Training:** Based on institutional records, students engage in industrial internships and mini-projects to bridge the gap between classroom theory and industry practice.

The "So What?" Layer The presence of a dedicated Incubation Centre on campus provides a platform for rural students to explore innovation and startups, which is increasingly important in a job market that values entrepreneurial thinking and practical project experience.

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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