

Institutional Profile: Sethu Institute of Technology (TNEA Code: 4917)

1. Institutional Identity and Admission Framework

An institution's operational boundaries are fundamentally defined by its regulatory status and its degree-granting framework. For Sethu Institute of Technology (SIT), its identity as a Private Self-Financing, Autonomous institution (status conferred in 2012) dictates its ability to modernize curricula while remaining under the administrative umbrella of Anna University. For 2026 aspirants, the TNEA Code 4917 serves as the primary identifier within the state-centralized admission system.

- **Full Name:** Sethu Institute of Technology
- **Popular Name:** SIT Kariapatti
- **TNEA Code:** 4917
- **Affiliation:** Anna University, Chennai
- **Admission Route:**
 - **Government Quota (65%):** Allocated through TNEA counseling.
 - **Management Quota (35%):** Institutional merit-based selection.
- **Gender Profile:** Co-educational

This institutional framework is the result of three decades of evolution, transitioning from a localized technical college to a large-scale regional hub.

2. Founding Heritage and Evolution

The strategic placement of a technical institution often addresses specific regional socioeconomic requirements. SIT is situated in the Madurai-Virudhunagar belt, a corridor where engineering education acts as a catalyst for economic advancement. Its location on the Madurai-Tuticorin National Highway, approximately 12 km from the Madurai Airport, provides critical logistical accessibility for outstation students.

Established in 1995 by the **Sethu Educational Trust** and its Founder/Chairman, **Mr. S. Mohamed Jaleel**, the college began with an initial intake of 180 students. It has since scaled to a capacity of 4,800 students.

- **Motto:** "Knowledge, Service and Progress."
- **Mission Statement:** "To provide quality technical education to fulfill the aspiration of the student and to meet the needs of the Industry; To provide holistic learning

ambience; To impart skills leading to employability and entrepreneurship; To establish effective linkage with Industries; To promote Research and Development activities; To offer services for the development of society through Education and Technology."

3. Regulatory Approvals and Quality Accreditations

Institutional health for the 2026 admission cycle is best assessed through external validation metrics from NAAC and AICTE. These certifications provide a baseline for infrastructure adequacy and academic rigor.

- **AICTE Approval:** Verified for Academic Year 2025-26.
- **NAAC Accreditation:** Holds Grade 'A' with a CGPA of 3.54.
- **Auditor’s Note on Validity:** This accreditation is valid through April 2026. Prospective students should note that the renewal cycle coincides with the commencement of the 2026 academic year, necessitating a review of updated scores during the first semester.

4. Professional Program Validation — NBA Tier I Status

NBA Tier I accreditation indicates compliance with the Washington Accord, which is essential for the global mobility of engineering graduates. Degrees from Tier I accredited programs are recognized for professional practice and advanced studies across all signatory nations.

Accredited Program	NBA Status	Validity Period
Computer Science and Engineering	Tier I (Washington Accord)	Until June 2027
Electronics and Communication Engineering	Tier I (Washington Accord)	Until June 2027
Electrical and Electronics Engineering	Tier I (Washington Accord)	Until June 2027
Civil Engineering	Tier I (Washington Accord)	Until June 2027
Information Technology	Tier I (Washington Accord)	Until December 2028
Mechanical Engineering	Tier I (Washington Accord)	Until December 2028
Biomedical Engineering	Tier I (Washington Accord)	Until December 2028

5. National Ranking Disclosures

Transparency in external rankings serves as a counterweight to internal marketing. These metrics evaluate research output and standardized student outcomes.

- **NIRF 2025:** The institution was not ranked within the NIRF Engineering 2025 category.

- **Auditor’s Observation:** There is a notable discrepancy between the institution's self-reported 92% placement rate and its absence from the NIRF rankings, as the NIRF methodology heavily weights Graduate Outcomes.
- **Global Rankings:** Not applicable (SIT is not a university).

6. Undergraduate Academic Portfolio: B.E. & B.Tech

The undergraduate portfolio shows a strategic shift toward "New-Age" data-centric branches. Managing an annual intake of 1,200 seats requires high-density resource allocation across its 16 programs.

S.No	Branch Name	Code	Intake	Year Started
1	Computer Science and Engineering	CS	240	1995
2	Electronics and Communication Engineering	EC	240	1997
3	Information Technology	IT	120	1999
4	Artificial Intelligence and Data Science	AD	120	2021
5	Computer Science and Engineering (AI & ML)	AM	120	2022
6	Electrical and Electronics Engineering	EE	60	1998
7	Mechanical Engineering	ME	60	1995
8	Computer Science and Business Systems	CB	60	2020
9	Computer Science and Design	CD	60	2021
10	Computer Science and Engineering (IoT)	CI	60	2023
11	Computer Science and Engineering (Cyber Security)	SC	60	2023
12	Agricultural Engineering	AG	30	2016
13	Biomedical Engineering	BM	30	2016
14	Biotechnology	BT	30	2020
15	Civil Engineering	CE	30	2007
16	Chemical Engineering	CH	30	N/A*

*Year started for Chemical Engineering is not stated in official TNEA documentation and requires verification.

Emerging/New-Age Branches (2018+): AD, AM, CB, CD, CI, SC, and BT. *Note: No Tamil Medium branches are offered.*

7. Faculty Profile and Academic Leadership

Technical mentorship quality is assessed through the concentration of PhD-qualified faculty and their recognition as research supervisors.

- **Total Working Faculty:** 359
- **PhD Holders:** 68
- **PhD-to-Faculty Ratio:** 18.9%

Key Academic Leadership (Anna University Recognized Supervisors):

- **Dr. G. D. Sivakumar (Principal):** Industrial Engineering, Lean Manufacturing.
- **Dr. A. Senthil Kumar:** Composite Materials, Manufacturing.
- **Dr. C. Kailasanathan:** Nano Bio Composites, Welding.
- **Dr. S. Siva Ranjani (HoD IT):** Sensor Networks, Big Data Analytics, IoT.
- **Dr. R. Arangasamy (HoD Biomedical):** Biomedical Signal Processing.
- **Dr. R. Kumutha:** Recognized for innovative work in technology and pedagogy.

8. Research, Grants, and Industrial Linkages

Funded research and placement statistics provide a dual-metric for institutional relevance in the industrial ecosystem.

- **Research Infrastructure:** 9 approved centers (Mechanical, CSE, EEE, ECE, IT, CSBS, AI&ML, Physics, Chemistry).
- **Funded Projects:** UGC Minor Research (Geopolymer composites), TNSCST (Cement-based mortar), and EDII Chennai (Medi-Smart project).
- **Placement Audit:**
 - **TNEA Self-Reported Placement (2025):** 92%.
 - **2023-24 Batch:** 914 placement offers reported.
- **Industrial Partners:** MOUs with Edifice Placement Solutions and B.T.R Construction. Key recruiters include Infosys, Cognizant, and Data Patterns.

9. Campus Infrastructure, Hostel, and Regional Connectivity

The 132-acre campus provides the requisite scale for residential and academic operations in the Virudhunagar district.

Residential Capacity: | Feature | Boys Hostel | Girls Hostel | | :--- | :--- | :--- | | **Capacity** | 364 Students | 282 Students | | **Room Profile** | Multi-occupancy | 52 Furnished Rooms | | **Connectivity** | Wi-Fi Enabled | Wi-Fi Enabled | | **Security** | 24/7 Security | 24/7 Security |

Logistics and Facilities:

- **Transport Fleet:** 56 buses and 15 Mazda vans covering a 60 km radius (Madurai, Dindigul, Sattur, Sivakasi).
- **Library Systems:** 845 sq.m. facility utilizing **MODERNLIB SOFTWARE**. Access provided to e-journals including AIP, JSTOR, and Springer.
- **Social Connectivity:** The institution operates a "Mobile Library" service for surrounding villages, aligned with its mission for societal development.
- **Physical Education:** 25-acre playground including a 400m track and specialized courts for major sports.

10. Financial Access: Government and Institutional Scholarships

A comprehensive array of state and central schemes are **available to eligible students at this institution** to ensure equitable access:

- **State Government Schemes:** Backward Classes Welfare (BC/MBC/DNC), First Generation Graduate Scholarship, Uzhavar Pathukappu Thittam (Farmers' children), and Teachers Welfare Scholarship.
- **Central Government Schemes:** SC/ST Adi-Draavidar and Tribal Welfare, Minority Welfare Merit Scholarship, Mine Workers/Beedi Workers Scholarship, and AICTE Fellowship schemes.

11. Institutional Distinctions and Achievements

Peer-vetted awards validate specific departmental excellence beyond general accreditation.

- **Autonomous Status:** Conferred by the UGC in 2012.
- **ICI Outstanding Student Chapter Award:** Awarded by the Indian Concrete Institute and UltraTech Cements (2016).
- **ISTE Periyar Award:** Conferred upon Dr. R. Kumutha for Best Engineering College Teacher (2016).
- **Prof. K. Arumugam National Award:** Awarded to Dr. R. Kumutha for innovative engineering work.

12. Closing

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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