

# Institutional Profile: Arunai Engineering College

## (TNEA Code: 1504)

### 1. Identity

For parents and students navigating the Tamil Nadu Engineering Admissions (TNEA) process, the primary step in choice-filling risk mitigation is the accurate identification of administrative data. In the Tiruvannamalai region, where similar-sounding institutions can cause confusion, verifying the TNEA code (1504) and the specific autonomous status of the college is essential to ensure that the correct institution is locked in during the high-pressure counseling window.

#### Core Institutional Identity

Field	Details
<b>Full Name</b>	Arunai Engineering College
<b>Popular Name</b>	AEC
<b>TNEA Code</b>	1504
<b>Institution Type</b>	Self-Financing Engineering College
<b>Admission Route</b>	TNEA (Govt. Quota 65%, Management Quota 35%)
<b>Gender Profile</b>	Co-educational
<b>Autonomous Status</b>	Yes — since 2024–25 (granted for 2024–25 to 2028–29 by UGC and Anna University)
<b>Affiliated University</b>	Anna University, Chennai
<b>District</b>	Tiruvannamalai

#### Contact Information

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- **Official Website:** <https://www.arunai.org/>

Understanding these administrative fundamentals provides a secure foundation for evaluating the institution's long-term regional stability and commitment to technical education.

## 2. Founding and Heritage

The origins and founding vision of an institution provide vital insight into its institutional maturity. Unlike newer colleges that may still be developing their ecosystems, a college with a multi-decade "vintage" suggests a stable administrative structure and a mature infrastructure that has been refined over time.

Arunai Engineering College was established in 1993 by Thiru E. V. Velu under the Saraswathi Ammal Educational Trust. Initially approved by AICTE and affiliated with the University of Madras, the college launched with three foundational disciplines: Mechanical Engineering, Electrical and Electronics Engineering, and Computer Science and Engineering.

The campus is a sprawling 31.5-acre facility situated on the Chittoor–Cuddalore National Highway. The institution operates under a clear academic mission, reflected in its motto:

- **Tamil:** "உழைப்பவரே உயர்ந்தவர்"
- **English:** "Those who work hard are the greatest"

This foundational legacy is today reinforced by modern regulatory certifications that validate the college's adherence to national quality standards.

## 3. Regulatory Status

National-level approvals from the AICTE and NAAC serve as essential benchmarks for parents, acting as proxies for institutional quality and adherence to rigorous governance standards. These credentials ensure that the curriculum, faculty density, and facility standards meet the requirements for contemporary engineering education.

Arunai Engineering College has secured AICTE approval for the Academic Year 2025-26. The institution also maintains a strong accreditation profile:

- **NAAC Grade: A**
- **CGPA: 3.12**
- **Cycle: 3rd Cycle (Re-assessment)**
- **Validity: Until October 2029**

While institutional accreditation provides a broad view of quality, program-specific technical validation offers deeper insight into the graduate mobility and industry readiness of specific departments.

## 4. National Board of Accreditation (NBA)

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NBA accreditation is a vital indicator for parents as it focuses on program-specific outcomes and international benchmarks. Graduates from NBA-accredited programs often enjoy better global recognition and improved prospects for higher education and recruitment.

### Accredited Programs

Program Name	Accreditation Validity Year
Biotechnology	2028
Computer Science and Engineering	2028
Electronics and Communication Engineering	2026
Electrical and Electronics Engineering	2026
Information Technology	2026

Notably, the Biotechnology and Computer Science and Engineering programs hold validity until 2028, suggesting a more recent and robust re-accreditation cycle for these specific departments—a key consideration for students prioritizing long-term program stability. These programs form the core of the academic offerings for the upcoming TNEA 2026 cycle.

### 5. Undergraduate Programs (B.E./B.Tech)

Choosing between traditional engineering branches and emerging technologies is a strategic decision. The college offers a comprehensive portfolio with a total approved intake of 870 seats, providing a balance between established industry staples and new-age tech branches.

### Academic Portfolio

Branch Name	TNEA Branch Code	Approved Intake
Computer Science and Engineering	<b>CS</b>	240
Electronics and Communication Engineering	<b>EC</b>	120
Information Technology	<b>IT</b>	120
Artificial Intelligence and Data Science	<b>AD</b>	120
Biotechnology	<b>BT</b>	60
Electrical and Electronics Engineering	<b>EE</b>	60
Mechanical Engineering	<b>ME</b>	60
Computer Science and Engineering (Cyber Security)	<b>SC</b>	60

Agricultural Engineering	<b>AG</b>	60
Computer Science and Engineering (AI & ML)	<b>AM</b>	60
Civil Engineering	<b>CE</b>	30
Chemical Engineering	<b>CH</b>	30

### Innovation & Emerging Trends

To align with Industry 4.0, the college has introduced the following specialized branches:

- **Computer Science and Engineering (Cyber Security):** Started in 2022
- **Artificial Intelligence and Data Science:** Started in 2022
- **Agricultural Engineering:** Started in 2023
- **Computer Science and Engineering (AI & ML):** Started in 2023

Students should prioritize using the primary branch codes (e.g., **SC, AD, AG, AM**) during their TNEA choice-filling process. The delivery of these programs is supported by the specific expertise and research density of the resident faculty.

### 6. Faculty Profile

Faculty qualifications, specifically PhD density and academic leadership, directly impact student mentorship and the depth of academic inquiry. A higher concentration of research-active faculty typically correlates with better project guidance and technical exposure.

Based on the 2019-20 AQAR data, the institution maintains a robust teaching staff:

- **Total Working Faculty (Engineering):** 211
- **Faculty with PhD Qualification:** 23 (as of 2019-20)

### Key Academic Leadership

- **Dr. C. Elanchezhian (Principal):** M.E., Ph.D. An active researcher with **3 patents** and having **guided 10 PhD scholars**. He has authored 35 books and published over 100 research papers, holding a Google Scholar h-index of 36.
- **Dr. L. Jayakumar:** Professor & HoD, Mechanical Engineering (Former Principal).
- **Dr. V. Saravanan:** Professor, Electrical and Electronics Engineering.
- **Dr. R. Sathiyaseelan (Registrar):** M.E., Ph.D., Department of Computer Science and Engineering.
- **Dr. S. Thirumalvalavan (Controller of Examinations):** M.E., Ph.D., Department of Mechanical Engineering.

While faculty expertise defines the classroom experience, the physical environment and campus logistics determine the quality of daily student life.

## 7. Hostel and Transport

Reliable campus infrastructure and safe transportation are essential for maintaining academic focus, particularly for outstation students who require a secure residential environment to thrive.

### Residential Facilities

The college provides on-campus residential facilities for both male and female students:

- **Boys Hostel:** Available with both Vegetarian and Non-Vegetarian mess options.
- **Girls Hostel:** Available with both Vegetarian and Non-Vegetarian mess options.

### Connectivity & Logistics

The campus is located approximately 4 km from the Tiruvannamalai district headquarters.

- **Nearest Railway Station:** Tiruvannamalai (approx. 4 km distance).
- **Transport Facility:** College-operated bus services provide connectivity to nearby areas.

Beyond physical logistics, the institution provides financial support systems to ensure professional education remains accessible to diverse socio-economic groups.

## 8. Scholarships

Financial aid frameworks play a crucial role in making engineering education accessible. These programs ensure that merit and aspiration are not hindered by economic constraints.

### Financial Aid Framework

The following government scholarships are available to eligible students at this institution:

- SC/ST Tuition Fee Scholarship
- BC / MBC / DNC Scholarship
- First Graduate Scholarship
- Minority Scholarship (Central Government)
- Post-Matric Scholarship for OBC

Additionally, the college offers an **Institutional Academic Scholarship**, which is a merit-based award granted to the highest-performing students. These financial supports allow students to focus on the college's advanced research and innovation opportunities.

## 9. Research and Innovation

Research centers and industry MOUs transform a college from a standard teaching center into a hub of innovation. For students, this means access to cutting-edge technology and real-world industrial projects.

### Specialized Centers

A flagship feature of the campus is the **TIFAC CORE in Electric Transportation Systems**. Functioning since 2009 and funded by the Department of Science and Technology (DST), this center provides high-level research opportunities specifically for students in the **Electrical and Electronics (EEE)** and **Mechanical Engineering** departments, focusing on hub motors and electric vehicle applications.

### Research Infrastructure

The college hosts Anna University-approved PhD research centers in:

- **Mechanical Engineering**
- **Electrical and Electronics Engineering**

### Collaboration Matrix

#### Industry Partnerships & MOUs:

- **IBM India Pvt Ltd:** Technical training partnership.
- **International MOUs:** STEKOM University (Indonesia), MAHSA University, and WCC University Independence (Philippines).
- **Industry Partners (TIFAC CORE):** Tata Power Solar Systems Limited, Indo Wind Energy Ltd, and Crompton Greaves Ltd.

#### Externally Funded Programs:

- **Indo-Sri Lanka Joint Research Programme:** Funded by DST for Solar PV microgrid systems.
- **CPRI-RSoP Project:** Funded by the Ministry of Power for solar-wind power generation systems.

The tangible outcomes of these initiatives are reflected in the institution's external recognitions.

## 10. Achievements

External awards and grants serve as third-party validation of an institution's progress and its contribution to the technical community.

### Key Distinctions

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- **Establishment of TIFAC CORE:** Awarded by DST, Govt. of India (2009).
- **Conferment of Autonomous Status:** Granted by UGC and Anna University for the period 2024–2029.
- **Approved Research Centre (Anna University):** Specifically for Mechanical and Electrical and Electronics Engineering departments.
- **Indo-Sri Lanka Joint Research Grant:** Awarded by the Ministry of Science and Technology (2019).
- **DBT Popular Lectures Grant:** Awarded to the Biotechnology Department by the Govt. of India (2019).
- **AICTE FDP Grant:** Awarded for Faculty Development in Biotechnology (2019).
- **CPRI RSoP Funding:** Awarded by the Ministry of Power for renewable energy research.

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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. Explore more engineering colleges at profsam.com — your trusted guide for 12th to engineering admissions. Article Researched & Curated by profsam.com | Engineering சேருங்க Season 1

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