

Institutional Profile: V V College of Engineering (TNEA Code: 4864)

1. Institutional Identity and Admission Framework

From a strategic perspective, an institution's fundamental identity—defined by its autonomy, type, and affiliation—dictates the long-term portability of the degree and the agility of the curriculum. For a TNEA aspirant, an autonomous status indicates greater administrative control over academic processes, while affiliation with a Tier-1 university like Anna University provides a standardized baseline for academic credibility.

Category	Institutional Details
Full Official Name	V V College of Engineering
Short Name	VVCOE
TNEA Code	4864
Institution Type	Self-Financing Engineering College (Autonomous)
City/District	Arasoor Village, Sathankulam Taluk, Thoothukudi District
Year of Establishment	2010
Affiliating University	Anna University, Chennai

Admission Route	TNEA (65% Government Quota / 35% Management Quota)
Gender Profile	Co-educational

The institution's administrative stability is underpinned by its founding trust, which has focused on regional industrial integration since its inception.

2. Founding History and Institutional Mission

From a strategic admissions standpoint, the financial solvency and industrial backing of a founding trust—such as the V.V.M. Educational Trust's link to V V Mineral—serves as a primary hedge against infrastructural stagnation. The geographic grounding of the trust's headquarters in Tisaiyanvilai underscores its commitment to the southern coastal region's development.

V V College of Engineering was established in 2010 by the V.V.M. Educational Trust, led by Chairman Shri. S. Jegatheesan, who is the Managing Director of V V Mineral.

Vision: "Emerge as a premier Technical Institution of global standards, producing enterprising, knowledgeable Engineers and Entrepreneurs."

Mission: "Impart quality and contemporary technical education for rural students. Have the state-of-the-art infrastructure and equipment for quality learning. Enable knowledge of ethics, values and social responsibilities. Inculcate innovation and creativity among students for contribution to society."

Key institutional milestones include the 2010 establishment of the Kamarajar Memorial Library, which expanded into a 50,500 sq.ft. dedicated facility after 2012. Furthermore, the institution has successfully achieved the recognition of all its engineering departments as official Research Centres of Anna University, Chennai, indicating a pivot toward advanced technical inquiry and regulatory compliance.

3. Regulatory Approvals (AICTE)

AICTE (All India Council for Technical Education) approval is a mandatory regulatory requirement that validates the technical degree for public sector recruitment and higher education eligibility. This certification ensures the institution meets national benchmarks for physical infrastructure and faculty-to-student ratios.

The institution holds formal AICTE approval for the Academic Year 2025-26. This status confirms the college's legal standing to conduct technical programs and its adherence to

evolving statutory norms. These baseline approvals are supplemented by specialized accreditation for specific core departments.

4. NBA Accreditation Status

While AICTE provides a legal baseline, NBA (National Board of Accreditation) accreditation serves as a qualitative "So What?" layer. It signifies that a specific technical program has undergone a rigorous, outcome-based audit. For students, this tier of accreditation often translates to better recognition for international credit transfers and employment in high-stakes engineering sectors.

Programme	Branch Code	NBA Status	Validity
Mechanical Engineering	ME	Accredited (Tier II)	Until June 2027

The current accreditation of the Mechanical stream highlights a departmental focus on process quality, which exists alongside the institution's broader academic portfolio.

5. Undergraduate Academic Programs (TNEA 2026)

An evaluation of the undergraduate offerings reveals a curriculum balanced between foundational engineering disciplines and emerging digital technologies. The scale of the approved intake reflects the institution's current operational capacity and faculty density.

Programme Name	TNEA Branch Code	Approved Intake (2025-26)	Year Started
Computer Science and Engineering	CS	90	2010
Artificial Intelligence and Data Science	AD	60	2024 (New-Age Branch)

Electronics and Communication Engineering	EC	60	2010
Electrical and Electronics Engineering	EE	60	2010
Civil Engineering	CE	30	2011
Mechanical Engineering	ME	30	2010

The **total approved intake for the current academic cycle is 330 seats**. This focused enrollment is managed by a faculty cohort with a measurable emphasis on doctoral research.

6. Faculty Profile and Research Leadership

There is a direct clinical correlation between high PhD density in faculty and the quality of undergraduate academic mentorship. At the research level, these faculty members facilitate student involvement in projects that move beyond theoretical classroom learning into specialized technical niches.

The institution maintains 17 named PhD holders, indicating a robust doctoral-to-faculty ratio. This expertise is distributed across core and circuit branches, as evidenced by the specialized research backgrounds of the academic leadership.

Key Academic Leadership & Specialized Doctoral Faculty:

- **Dr. P. Vanitha (Principal):** Nanoscale Device Modelling, VLSI, and Signal Processing.
- **Dr. Mohamed Faizal A.A (EEE):** Power Systems, Control Engineering, and Soft Computing.
- **Dr. T. Dharma Raj (Head, EEE):** Power Converters, Optimization, and Smart Grid.
- **Dr. I. Muthulakshmi (CSE):** Image Processing, Networking, and Neural Networks.
- **Dr. P. Padmanabhan (Head, Mechanical):** Metal Forming.
- **Dr. P. Mohamed Shameer (Mechanical):** Thermal Engineering, Biodiesel, and Renewable Energy.
- **Dr. R. Jensi (CSE):** Data Mining and Soft Computing.

The mentorship of these scholars is supported by the physical assets of the campus.

7. Campus Infrastructure, Hostel, and Connectivity

The logistical efficiency of a campus—including transport connectivity and residential rules—directly influences a student's daily productivity. A well-audited residential system allows for a disciplined academic environment.

The college provides permanent hostel facilities for both boys and girls. These facilities include 24-hour medical assistance, consistent power backup, and Wi-Fi connectivity. Reflecting a clinical approach to student management, the institution has established a **Hostel Grievance Cell** and maintains strict **Study Hours** (6:30–7:30 AM and 7:45–10:00 PM).

The Kamarajar Memorial Library acts as the academic anchor, spanning 50,500 sq.ft. with a volume of 31,305 printed books and access to DELNET e-journals. Physical education is supported by a 9.15-acre sports complex featuring 13 outdoor and 3 indoor facilities.

Transport and Connectivity:

- **Nearest Major Town:** Tisaiyanvilai.
- **Valliyoor Junction:** 20 km.
- **Thoothukudi (District HQ):** 70 km.
- **Infrastructure:** Campus-wide 50 Mbps leased line and 24-hour power backup.

This infrastructure is accessible through various institutional and government-supported financial frameworks.

8. Scholarships and Financial Access

Institutional and government scholarships serve as critical tools for ensuring professional education remains accessible to diverse economic segments. By reducing the financial barrier to entry, these schemes allow high-performing students to focus on technical competency.

The following financial aid programs are available to eligible students at this institution:

- **ASV Subbiah Nadar Merit Scholarship:** Provided by the V.V.M. Educational Trust for merit-based support.
- **SC/ST and BC/MBC Scholarships:** Government of Tamil Nadu schemes.
- **First Graduate Scholarship:** Available to eligible students as per state norms.
- **Minority Scholarships:** Administered via state and central government schemes.

These access points facilitate student engagement with the college's research and consultancy output.

9. Research, Innovation, and Consultancy

Active research centers and industrial consultancy differentiate a teaching-centric college from an institution that contributes to the technical ecosystem. These centers allow faculty to remain current with industry standards through practical problem-solving.

The institution operates five Anna University-recognized Research Centres:

1. **Centre for Computing**
2. **Centre for Power Engineering and Renewable Energy**
3. **Centre for Metallurgy and Materials Processing**
4. **Centre for Advanced Concrete Technology**
5. **Centre for Signal Processing and Communication**

Funded project outputs include TNSDC-supported "Smart Irrigation Systems using IoT" and TNSCST-funded "Palmyra sap cultivators." The institution further integrates with industry through specialized consultancy and testing services:

- **Civil Engineering:** Testing of concrete, bricks, aggregates, steel, cement, soil, and water.
- **Mechanical Engineering:** Wear testing, microscopy, casting, heat treatment, surface roughness measurement, and CMM.

These integrated research activities summarize an institutional character focused on regional technical advancement and industrial service.

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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