

## Institutional Profile: Mar Ephraem College of Engineering and Technology (TNEA Code: 4928)

### 1. Institutional Identity and Admission Framework

For TNEA 2026 candidates, understanding an institution's administrative classification and seat allocation framework is essential for informed decision-making. These parameters define the regulatory environment, fee structures, and the specific quotas available during the counseling process. Mar Ephraem College of Engineering and Technology (MECET) operates as a religious minority institution with a structured admission route defined by its self-financing status and affiliation with Anna University.

Field	Details
<b>Full Name</b>	Mar Ephraem College of Engineering and Technology
<b>Short Name</b>	MECET
<b>TNEA Code</b>	4928
<b>Institution Type</b>	Self-Financing — Christian Minority (Religious)
<b>Location</b>	Elavuvilai, Marthandam (Vilavancode Taluk, Kanyakumari District)
<b>Year Established</b>	2009
<b>Affiliated University</b>	Anna University, Chennai
<b>Admission Route</b>	65% Government Quota / 35% Management Quota

The institution is a co-educational, non-autonomous college. It follows the standardized curriculum and academic regulations of Anna University. The following sections evaluate the historical development and regulatory standing of the college.

### 2. Founding Heritage and Institutional Evolution

The founding entity's background establishes the college's mission and regional focus. MECET was established in 2009 by the Catholic Diocese of Marthandam. Situated on the Malankara Hills, the institution was positioned to serve the student population of the Kanyakumari district and the contiguous border regions of southern Kerala.

The institution has undergone a consistent portfolio growth since its inception, as evidenced by the following milestones:

- **2009:** Inception of the college with initial engineering programs.

- **2012:** Expansion of the academic portfolio with the addition of Electrical and Electronics Engineering (EEE).
- **2022:** Introduction of Artificial Intelligence and Data Science (AI&DS) to address emerging technology requirements.
- **2024:** Regulatory validation through a NAAC grade upgrade.

These developmental markers indicate the college's shift from a regional provider to an institution aligned with national quality benchmarks.

### 3. Regulatory Approvals and National Accreditation

For 2026 admissions, NAAC and AICTE statuses remain the primary indicators of institutional quality and regulatory compliance. These certifications ensure that the college adheres to national standards for infrastructure, faculty qualifications, and academic delivery.

- **AICTE Approval:** The institution holds confirmed approval for the Academic Year 2025-26, as documented in the TNEA 2025 records and the college's Mandatory Disclosure.
- **NAAC Accreditation:** The college is currently accredited with **Grade A** and a **CGPA of 3.15**. This status is valid until October 2029 and represents a 2024 upgrade from the previous Grade B+ standing.

Institutional standards established, the following section evaluates department-specific technical accreditations.

### 4. Program-Level Quality: NBA Accreditation

National Board of Accreditation (NBA) status directly impacts the global and domestic employability of graduates. Accreditation under Tier II signifies that specific departments meet the technical standards required for international recognition under the Washington Accord.

Department	Accreditation Tier	Validity Period
Computer Science and Engineering	Tier II	Until June 2028
Mechanical Engineering	Tier II	Until June 2028

Accreditation in these core sectors validates the pedagogical and laboratory standards maintained within these specific departments.

### 5. Innovation and Research Rankings

The NIRF Innovation ranking provides data on an institution's commitment to intellectual property and entrepreneurship, which are critical for engineering students focused on practical application and startups.

MECET was placed in the **2020 NIRF Innovation Ranking (Band 26–50)**. This was the last published rank identified for the institution and was not independently verified for the 2024 or 2025 cycles. These metrics correlate with the college's investment in research-oriented academic infrastructure.

## 6. Academic Offerings: UG Programs (TNEA 2026)

The MECET curriculum maintains a balance between traditional core engineering and emerging digital technologies. This structure provides a range of specializations for the TNEA 2026 intake.

### UG Program Matrix

Branch Name	TNEA Branch Code	Approved Intake	Year Started
Civil Engineering	CE	60	2009
Computer Science and Engineering	CS	60	2009
Electronics and Communication Engineering	EC	60	2009
Electrical and Electronics Engineering	EE	60	2012
Mechanical Engineering	ME	60	2009
Artificial Intelligence and Data Science	AD	60	2022

*Note: Artificial Intelligence and Data Science is the designated "Emerging Branch." No Tamil Medium branches are available at this institution.*

## 7. Faculty Profile and Academic Leadership

Experienced academic leadership is a key factor in steering departmental research and maintaining teaching quality. The leadership team at MECET comprises Ph.D.-qualified personnel with verified academic experience.

### Academic Leadership Team:

- **Principal:** Prof. Dr. A. Lenin Fred, Ph.D. (Specialization in Image Processing; 24+ years experience).
- **Head, EEE:** Dr. Anish John Paul, Ph.D.
- **Head, Mechanical Engineering:** Dr. D. Rajeev, Ph.D.
- **Head, AI&DS:** Dr. Dhanya, Ph.D.
- **Head, Civil Engineering:** Dr. Selvamony C, Ph.D.
- **Research Coordinator:** Dr. J. Jerusalin Carol, Ph.D.

This leadership structure directly supports the institution's research and innovation ecosystem.

## 8. Research, Innovation, and Entrepreneurship Ecosystem

MECET exhibits significant research maturity, evidenced by its status as a **DST-FIST supported institution**. Notably, it is the only engineering college in the Kanyakumari district confirmed to hold this specific recognition from the Department of Science and Technology (DST).

The **Centre for Research and Development** focuses on three primary areas:

- Agricultural Technology
- Automation
- Manufacturing

The entrepreneurship framework is supported by the **Atal Community Innovation Center (ACIC)** and the **NewGen IEDC**. To date, **9 startups** have been initiated through these programs. The college has filed **12 patents**, including specific innovations such as the "Automatic Nutmeg Harvester" and the "Portable Automated Black Soldier Fly Manufacturing Unit." Active industry partnerships include a signed MOU with **Garuda Aerospace Pvt. Ltd.** (August 2024).

## 9. Campus Infrastructure and Regional Connectivity

For candidates outside the immediate Kanyakumari district, campus infrastructure and accessibility are vital for a stable learning environment.

- **Residential Facilities:** Permanent hostels for Boys and Girls are available on campus. The mess facilities provide both vegetarian and non-vegetarian options.
- **Academic Infrastructure:** The library contains 7,253 titles and 19,052 volumes. Computing resources include 405 systems across dedicated labs.
- **Connectivity:** The campus is 3 km from the **Kuzhithurai Junction railway station**, providing rail links to Chennai, Nagercoil, and Thiruvananthapuram. College transport services cover multiple towns within the Kanyakumari district.

## 10. Scholarships and Financial Access

The strategic application of government and institutional scholarships assists in managing the cost of professional education. MECET facilitates several financial aid programs for eligible candidates.

**Government Scholarships:** The following are available to eligible students at this institution:

- SC/ST Tuition Fee Scholarship

- BC/MBC/DNC Scholarship
- First Graduate Scholarship
- Minority Scholarship
- Post-Matric Scholarship for OBC

#### Institutional Scholarships:

- **NTPC Scholarship:** For SC/ST students and Persons with Disabilities.
- **Jain Educational Society Scholarship:** Awarded based on society-specific criteria.
- **Tamil Nadu Education Trust Scholarship:** For students with 60% in HSC and meeting specified income limits.

#### 11. Institutional Achievements and Awards

External awards from government and scientific bodies validate the college's internal research and academic standards.

- **DST-FIST Recognition:** Confirmed status as the sole district engineering college with this infrastructure support.
- **Research Grant:** Recipient of ₹28,12,572 for the Nutmeg Harvesting project.
- **Innovation Award:** Third Prize at the IISF Student Innovation Festival 2022 for the Nutmeg Harvester prototype.

These verified data points represent the institution's performance beyond standard classroom instruction and should be considered in final admission evaluations.

**Closing 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. Explore more engineering colleges at profsam.com — your trusted guide for 12th to engineering admissions.

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