

Technical Profile: Builders Engineering College (TNEA Code: 2656)

1. Institutional Identity and Admission Framework

Builders Engineering College is a critical component of the Tamil Nadu Engineering Admissions (TNEA) ecosystem, specifically serving the industrial belt of the Tirupur region. For students and parents, the institution's TNEA code and administrative classification serve as the primary identifiers for regulatory compliance and counseling accuracy. As a self-financing autonomous institution, it operates with a dual mandate of university-level oversight and internal academic governance.

Institutional Core Data

Field	Details
Full Name	Builders Engineering College
Popular Name	Kangayam Institute of Technology (KIT)
TNEA Code	2656
Institution Type	Self-Financing — Autonomous
Admission Route	TNEA (Government Quota 65% / Management Quota 35%)
Gender Profile	Co-educational
Affiliated University	Anna University, Chennai
Location	Nathakadaiyur, Kangayam Taluk, Tirupur District

Note: While officially registered as Builders Engineering College in the TNEA portal, the institution is frequently identified by its popular name, Kangayam Institute of Technology (KIT).

Candidates must ensure the TNEA code 2656 is used during choice filling to avoid naming confusion.

The "Self-Financing — Autonomous" status allows the college to evaluate and implement curriculum changes independently, theoretically increasing its responsiveness to industry shifts. This administrative independence shifts the burden of quality control and outcome-based education entirely to the institution's internal boards. This administrative evolution marks the college's transition from its founding group structure toward a mature, independent technical entity.

2. Foundation and Heritage

The establishment of the college in 2009 was a calculated response to the technical education deficit in rural Tirupur. The institution was designed to provide a pathway for regional aspirants into the industrial workforce, leveraging its location in a manufacturing hub.

The college was founded by the **Erode Builder Educational Trust (EBET)**. The vision and mission of the trust are documented as follows:

- **Vision:** *"To be the most preferred knowledge provider."*
- **Mission:** *"To produce engineering and management graduates proficient in scientific, managerial and engineering principles to make significant contribution to society with an emphasis on values, skills and comprehensive thinking."*

The institution underwent a strategic renaming in 2017 from its original designation as EBET Group of Institutions to Builders Engineering College, followed by the attainment of autonomous status from Anna University. These shifts reflect a branding strategy aimed at emphasizing specialized engineering education over a generalized group identity.

3. AICTE Regulatory Status

Approval from the All India Council for Technical Education (AICTE) is mandatory for the recognition of technical degrees and student eligibility for state and central scholarship schemes. For the 2025-26 Academic Year, Builders Engineering College is confirmed as an **APPROVED** institution according to TNEA documentation.

Regarding undergraduate capacity, auditors note two distinct figures:

- **Confirmed AICTE Intake:** 480 seats (currently approved across 8 branches).
- **Projected TNEA Intake:** 540 seats.

The discrepancy of 60 seats is attributed to the most recent program additions (Cyber Security and Information Technology), which are pending final administrative integration. The

480-seat figure represents the baseline of currently confirmed seats, while 540 represents the total projected capacity for the 2026 cycle.

4. National Board of Accreditation (NBA) Status

NBA accreditation serves as a Tier-II technical benchmark, signaling that specific programs meet national quality standards for pedagogy, infrastructure, and outcomes. Graduating from an NBA-accredited program is particularly advantageous for students seeking global degree recognition or employment in highly regulated sectors.

The following core engineering departments maintain active accreditation:

Accredited Program	NBA Validity Year
Civil Engineering	June 2027
Computer Science and Engineering	June 2027
Electrical and Electronics Engineering	June 2027
Electronics and Communication Engineering	June 2027
Mechanical Engineering	June 2027

The validity of these accreditations through mid-2027 indicates a period of sustained academic stability for the institution’s core technical branches.

5. Institutional Rankings

Third-party rankings provide an external audit of the institution’s standing relative to regional and national peers.

- **India Today Engineering Survey (2023):** Ranked 240.
- **NIRF 2025 Status:** The institution submitted data for the National Institutional Ranking Framework (Reference: IR-E-C-37104). While data was submitted, a confirmed rank was not published in the latest national session.

6. Undergraduate Program Portfolio (TNEA 2026)

The college offers nine distinct Bachelor of Engineering (B.E.) and Bachelor of Technology (B.Tech) programs. These are categorized into core engineering foundations and new-age technology branches.

S.No	Branch Name	Code	Category	Intake	Year Started
1	Civil Engineering	CE	Core	60	2009
2	Computer Science and Engineering	CS	Core	60	2009
3	Electronics and Communication Eng.	EC	Core	60	2009
4	Electrical and Electronics Eng.	EE	Core	60	2010
5	Mechanical Engineering	ME	Core	60	2009
6	Artificial Intelligence and Data Science	AD	New-Age	60	2021
7	AI and Machine Learning*	AL	New-Age	60	2024
8	CSE (Cyber Security)*	SC	New-Age	60	2025
9	Information Technology*	IT	New-Age	60	2025

Analytical Note: The shift toward "New-Age" branches since 2018 represents the institution's attempt to diversify into higher-demand technological sectors.

7. Faculty Profile and Expertise

In an autonomous setting, faculty qualifications, particularly the density of doctoral degrees, are primary indicators of the institution's capacity to deliver a rigorous curriculum.

Current institutional disclosures categorize the faculty profile as follows:

- **Total Working Faculty:** 98 (Includes 85 engineering-specific roles)
- **Sanctioned Posts:** 94
- **Faculty with PhD:** 20
- **Faculty Pursuing PhD:** 18

Approximately 20% of the teaching staff hold doctoral qualifications, with another 18% in the doctoral pipeline. This data suggests a faculty environment that is increasingly focused on academic research and mentored technical instruction.

8. Campus Logistics: Hostel and Transport

Institutional infrastructure is evaluated based on its capacity to support outstation students through residential stability and regional connectivity.

Hostel Infrastructure The institution maintains "Permanent" residential structures for both genders:

- **Mess:** Catering includes both Vegetarian and Non-Vegetarian options.
- **Medical:** Facilities include a campus dispensary, ambulance, and doctor-on-call services.

Transport and Connectivity The college operates 18 buses covering a 60 km radius.

- **Kangayam Bus Stand:** 12 km
- **Erode Junction Railway Station:** 35 km

9. Financial Access and Scholarship Framework

Government-mandated scholarship programs are accessible to eligible students, serving as a critical mechanism for financial inclusion. These include:

- **SC/ST Tuition Fee Scholarship:** Administered by the Adi Dravidar and Tribal Welfare Department.
- **BC/MBC/DNC Scholarship:** Administered by the Backward Classes Welfare Department.
- **First Graduate Scholarship:** Specifically for first-generation graduates.
- **Post-Matric Scholarship for OBC:** Central sector scheme.
- **Minority Scholarship:** Government of India initiative.

10. Career Outcomes and Placement Analysis

Placement data is a key performance indicator for assessing the professional viability of the degree.

Metric Analysis (Batch 2024-25):

- **Placement Rate:** 95.4%
- **Total Job Offers:** 299
- **Highest Package:** 12 LPA

- **Average Package:** 4 LPA
- *Disclaimer: All placement metrics are self-reported by the institution.*

Recruiter Catalog by Sector:

- **Automotive & Industrial:** ZF CVCS India, MRF Limited, Gestamp, CRI Pumps, Lakshmi Precision Technologies.
- **IT & Software Services:** Infosys, ADP (Automatic Data Processing), NCR Corporation, Srinsoft Technologies, Literact Fintech.
- **Electronics & Semiconductors:** Tessolve Semiconductor, Pegatron, GK Power Expertise.

11. Research Infrastructure and Innovation

Research activities are centered around student prototyping and industry-funded projects.

- **AICTE-IDEA Lab:** A dedicated facility for STEM-based prototyping, multidisciplinary research, and incubation.
- **Project Portfolio:** 33 documented research projects funded by bodies including the Tamil Nadu State Council for Science and Technology (TNSCST), URC Construction, and Spectrum Infotech.
- **Industry MOUs:** 14 functional agreements are in place, including a partnership with VIMACH Academy for mechanical engineering training.

12. Institutional Achievements and Distinctions

The institution's track record is highlighted by the following markers of administrative and extracurricular performance:

- **Autonomous Status:** Granted by Anna University, facilitating curriculum independence.
- **IIC Establishment:** The Institution Innovation Council is active under the Ministry of Education (MHRD).
- **Sports Distinction:** Competitive excellence in Volleyball and Kabaddi, specifically achieving placements in the CM Trophy (Tamil Nadu) tournaments.

End of Report

This profile is synthesized from TNEA 2025 documentation, institutional disclosures (2022), NBA Tier-II accreditation data (2024), and official university records. All placement metrics are self-reported or provisional as of the April 2026 reporting cycle.