



ENGINEERING

ADMISSION PROCESS

Admission Authority

Tamil Nadu Engineering Admissions (TNEA)

Minimum Academic Eligibility

XII with Maths, Physics, Chemistry

- Must have passed Class 12 / HSC with:
 - Mathematics
 - Physics
 - Chemistry
- Minimum aggregate: $\geq 45\%$ (General) / $\geq 40\%$ (Reserved)

✓ No entrance exam like JEE Main required for Tamil Nadu state counselling (TNEA)

✓ Only Class 12 marks are used to prepare merit list

Selection

Based on XII marks (No entrance exam)

Cut-off (Indicative)

College Type	Cut-off Range (200)
Top Govt Colleges	190 – 200
Tier-1 Private	175 – 189
Tier-2 Private	160 – 174
Tier-3 Colleges	140 – 159

STEP-BY-STEP ADMISSION PROCESS (ENGINEERING — TNEA)

Step 1 — Create Parent/Student Login on TNEA Portal

- Visit TNEA official portal
- Enter:
- Student name
- DOB
- Email / mobile
- Class 12 marks (Maths, Physics, Chemistry)
- Submit self-reported marks

Step 2 — Pay Counselling Fees

- Pay via online:
- Debit card
- Credit card
- Net banking
- Keep receipt for future use

Step 3 — Choice Filling (Very Important)

Students must choose:

① Branches (CSE, EEE, ECE, AI & DS, IT, Mechatronics, Cloud, Cybersecurity if offered)

② Colleges in order of preference

👉 Example:

- AI & Data Science – Tier-1 Govt
- Computer Science & Engineering – Tier-2
- IT – Tier-2
- Cybersecurity Elective – Private

STEP-BY-STEP ADMISSION PROCESS (ENGINEERING — TNEA)

Step 4 — Verification

Visit the centre allotted by TNEA with:

- Original certificates
- 10th / 12th marksheet
- Transfer Certificate
- Community Certificate
- Nativity proof

Step 5 — Seat Allotment

After choice filling + verification → seat allotment list is released

→ Check allotment status in portal

Step 6 — Admission Confirmation

If seat allotted:

- Pay admission fees
- Report to college within deadline
- Complete registration

If not satisfied → next round choice filling

TNEA 2026 – IMPORTANT DATES (TENTATIVE)

Event	Expected Date (2026)
Official Notification Release	April / May 2026 (usually late Apr)
Online Registration Starts	1st week of May 2026
Last Date to Apply / Upload Documents	1st week of June 2026
Assigning of Random Numbers	2nd week of June 2026
Certificate Verification at TFCs	Jun 2026
Publication of TNEA Rank List	Last week of June 2026
Grievance Redressal Window	Late June – Early July 2026
Online Counselling (Special Categories)	Jul 2026
General Counselling & Round 1 Choice Filling	Jul 2026
Round 1 Seat Allotment	Jul 2026
Round 2 Choice Filling	Jul 2026
Round 2 Seat Allotment	Jul 2026
Round 3 Choice Filling	Aug 2026
Round 3 Seat Allotment	Aug 2026
Supplementary Counselling	Aug 2026
SCA to SC Special Counselling	Aug 2026

TNEA - MANDATORY DOCUMENTS (ALL STUDENTS)

S.No	Document	Purpose
1	Class 10 Mark Sheet	Date of birth verification
2	Class 12 Mark Sheet	Cut-off calculation
3	Transfer Certificate (TC)	Proof of leaving last school
4	Community Certificate	Reservation category
5	Nativity Certificate	Tamil Nadu quota eligibility
6	Aadhaar Card	Identity verification
7	Passport Size Photograph	Counselling & college records
8	TNEA Application Printout	Counselling reference
9	Self-Declaration Form	Authenticity confirmation

TNEA ONLINE UPLOAD REQUIREMENTS - GENERAL FILE RULES (VERY IMPORTANT)

Item	Specification
File Format	PDF only
File Size	Usually ≤ 500 KB per document
Colour	Clear colour scan preferred
Orientation	Upright (not rotated)
Clarity	Text & seal must be readable
One Document = One PDF	Do NOT combine multiple certificates

PHOTOGRAPH & SIGNATURE (IF SEPARATE UPLOAD IS ENABLED)

Item	Specification
Photo Format	JPG / JPEG
Photo Size	20 KB – 50 KB
Background	Light / white
Face Visibility	Clear, no cap / goggles
Signature	JPG, black pen on white paper

Category-Specific Uploads (If Applicable)

Category	Document	Specification
First Graduate	First Graduate Certificate	PDF + Family declaration
BC / MBC / SC / ST	Community Certificate	PDF (latest & valid)
PWD	Medical Board Certificate	PDF (Govt Hospital only)
Ex-Servicemen	Ex-serviceman Certificate	PDF
Sports Quota	Sports Achievement Certificates	PDF (District/State/National)
Diploma (Lateral Entry)	Diploma Mark Sheets	PDF (all semesters)

COMMON STUDENT MISTAKES

- Uploading mobile screenshots
- Cropped certificates (missing seal / number)
- Uploading wrong community certificate
- Uploading expired nativity certificate
- Mismatch in name / initials

Any of the above can cause rejection during verification

COURSES BEYOND TRADITIONAL B.TECH

Future Job	Best Academic Path	Duration
AI & Machine Learning	B.Tech CSE with AI/ML Specialization	4 years
Cybersecurity Expert	B.Tech CSE (Cybersecurity) + Certificates	4 years
Data Scientist	B.Sc Data Science or B.Tech DS	3-4 years
Cloud Engineer	B.Tech CSE/IT + AWS/Azure Certs	4 years
Robotics Engineer	B.E Mechatronics / Robotics	4 years
EV Specialist	B.E EEE / Mechanical with EV Electives	4 years
Software Developer	B.Tech CSE / IT	4 years

TNEA - CATEGORY-WISE COLLEGE COUNT & TOTAL ENGINEERING SEATS (APPROX.)

S.No	Category of College	No. of Colleges	Total Seats (UG)
1	Central Government (IIT / NIT / CFTIs)	3	≈ 2,300
2	State Government Engineering Colleges	11	≈ 7,800
3	Government-Aided Engineering Colleges	3	≈ 3,200
4	Anna University Department & Constituent Colleges	21	≈ 12,500
5	Private Self-Financing (Autonomous) Colleges	89	≈ 78,000
6	Private Self-Financing (Non-Autonomous) Colleges	367	≈ 2,04,886
	Total (Tamil Nadu – Statewide)	493 Colleges	3,08,686 Seats



TOP 20 ENGINEERING COLLEGES IN TAMILNADU

TOP 20 ENGINEERING COLLEGES IN TAMILNADU

S.No	Institution Name	Location
1	Indian Institute of Technology Madras (IIT Madras)	Chennai
2	National Institute of Technology Tiruchirappalli (NIT Trichy)	Tiruchirappalli
3	Vellore Institute of Technology (VIT)	Vellore
4	College of Engineering Guindy (CEG, Anna University)	Chennai
5	PSG College of Technology	Coimbatore
6	Madras Institute of Technology (MIT)	Chennai
7	Coimbatore Institute of Technology (CIT)	Coimbatore
8	Amrita School of Engineering Coimbatore	Coimbatore
9	SRM Institute of Science and Technology (SRMIST)	Chennai
10	Government College of Technology Coimbatore (GCT)	Coimbatore

TOP 20 ENGINEERING COLLEGES IN TAMILNADU

S.No	Institution Name	Location
11	Sathyabama Institute of Science and Technology	Chennai
12	Kumaraguru College of Technology (KCT)	Coimbatore
13	Kongu Engineering College	Erode
14	Alagappa College of Technology (ACTech)	Chennai
15	SSN College of Engineering	Chennai
16	Rajalakshmi Engineering College	Chennai
17	Bannari Amman Institute of Technology	Erode
18	Sri Sivasubramaniya Nadar College of Engineering (SSN)	Chennai
19	Saveetha Engineering College	Chennai
20	RMK College of Engineering and Technology	Chennai

COURSES, INTAKE & CUTOFF (INDICATIVE)

S.No	College Name	Major Courses Available	Approx. Intake (UG)	Cutoff Details (Indicative)
1	Indian Institute of Technology Madras	CSE, AI, DS, EE, ME, CE, Aerospace, Chemical	~1,200	JEE Adv Rank: Top 1500 (CSE < 300)
2	National Institute of Technology Tiruchirappalli	CSE, ECE, EEE, ME, CE, ICE, Metallurgy	~1,000	JEE Main Rank: 5,000–12,000
3	Vellore Institute of Technology	CSE, AI, DS, Cyber, IT, ECE, ME, CE	~6,000+	VITEEE Rank: 1–20,000
4	College of Engineering Guindy	CSE, ECE, EEE, ME, CE, IT	~900	TNEA Cutoff: 195–200
5	PSG College of Technology	CSE, AI, ECE, EEE, ME, CE	~1,200	TNEA Cutoff: 190–199
6	Madras Institute of Technology	CSE, IT, ECE, Aerospace, Rubber Tech	~720	TNEA Cutoff: 190–200
7	Coimbatore Institute of Technology	CSE, ECE, EEE, ME, CE	~600	TNEA Cutoff: 188–198
8	Amrita School of Engineering Coimbatore	CSE, AI, Cyber, ECE, ME, CE	~1,500	AEEE Rank: Top 25,000
9	SRM Institute of Science and Technology	CSE, AI, DS, IT, ECE, ME, CE	~5,000+	SRMJEE Rank: 1–35,000
10	Government College of Technology Coimbatore	CSE, ECE, EEE, ME, CE	~600	TNEA Cutoff: 185–198

COURSES, INTAKE & CUTOFF (INDICATIVE)

S.No	College Name	Major Courses Available	Approx. Intake (UG)	Cutoff Details (Indicative)
11	Sathyabama Institute of Science and Technology	CSE, AI, DS, IT, ECE, ME	~3,000	Entrance/TNEA: 160–190
12	Kumaraguru College of Technology	CSE, AI, IT, ECE, ME	~1,200	TNEA Cutoff: 170–190
13	Kongu Engineering College	CSE, IT, ECE, EEE, ME, CE	~1,500	TNEA Cutoff: 160–185
14	Alagappa College of Technology	Chemical, Textile, Industrial, Ceramic	~300	TNEA Cutoff: 170–195
15	SSN College of Engineering	CSE, AI, ECE, EEE, ME, CE	~600	TNEA Cutoff: 190–200
16	Rajalakshmi Engineering College	CSE, AI, IT, ECE, ME	~1,200	TNEA Cutoff: 170–190
17	Bannari Amman Institute of Technology	CSE, IT, AI, ECE, ME, CE	~2,000	TNEA Cutoff: 160–185
18	Sri Sivasubramaniya Nadar College of Engineering	CSE, AI, ECE, EEE, ME, CE	~600	TNEA Cutoff: 190–200
19	Saveetha Engineering College	CSE, AI, IT, ECE, ME	~1,200	TNEA Cutoff: 150–175
20	RMK College of Engineering and Technology	CSE, IT, ECE, EEE, ME	~1,200	TNEA Cutoff: 150–180

COUSES TO BE SELECTED BASED ON TOP 20 JOBS IN 2030

S.No	Career Role	Engineering Course (UG/PG)
1	Environmental Engineers / Scientists	B.E / B.Tech – Environmental Engineering
2	UI / UX Designers	B.Tech – Computer Science & Design / IT / CSE
3	DevOps Engineers	B.E / B.Tech – CSE / IT / AI & DS
4	Agricultural Technologists	B.Tech – Agricultural Engineering
5	Autonomous Vehicle / EV Specialists	B.E – Mechanical / EEE / Mechatronics / EV Tech
6	Urban Air Traffic Controllers (<i>Tech side</i>)	B.E – Aerospace / Aeronautical Engineering
7	Logistics & Supply Chain Analysts	B.E – Industrial / Mechanical + SCM Specialization



TOP 10 AUTONOMOUS ENGINEERING COLLEGES IN TAMILNADU

TOP 10 AUTONOMOUS ENGINEERING COLLEGES IN TAMILNADU

Top autonomous engineering colleges in Tamil Nadu are renowned for their industry-aligned curriculum, high placement rates, and research capabilities.

S.No	Institution	Location	Key Highlights
1	Vellore Institute of Technology (VIT)	Vellore	Known for excellent infrastructure, research culture, and strong placements; a premier private autonomous deemed university.
2	PSG College of Technology	Coimbatore	Top-tier government-aided autonomous institution with strong industry collaborations.
3	SSN College of Engineering	Chennai	Renowned for high-quality education, research, and excellent placements; affiliated to Anna University and autonomous in function.
4	SRM Institute of Science and Technology	Chennai	Leading deemed university focusing on comprehensive engineering education and global exposure.
5	Thiagarajar College of Engineering	Madurai	Premier government-aided autonomous institution recognized for technical excellence.
6	Chennai Institute of Technology (CIT)	Chennai	Rapidly emerging autonomous institution known for practical, industry-linked training.
7	Government College of Technology Coimbatore (GCT)	Coimbatore	Top government autonomous college offering excellent technical education.
8	Sathyabama Institute of Science and Technology	Chennai	Reputable deemed university offering a wide range of engineering disciplines.
9	Rajalakshmi Engineering College	Chennai	Highly-ranked autonomous institution known for quality technical education.
10	Karpagam College of Engineering	Coimbatore	Recognized for strong placement focus and industry-oriented curriculum.

LIST OF COLLEGES ACCEPTING JEE MAINS FOR B.TECH IN TAMILNADU

```
mirror object to mirror  
mirror_mod.mirror_object =  
operation == "MIRROR_X":  
mirror_mod.use_x = True  
mirror_mod.use_y = False  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True  
selection at the end -add  
mirror_ob.select= 1  
mirror_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier  
mirror_ob.select = 0  
context.selected ob
```



TOP GOVERNMENT COLLEGES IN TAMIL NADU ACCEPTING JEE MAIN FOR B.TECH

S.No	Institution	Location	Admission Criteria
1	Indian Institute of Technology Madras (IIT Madras)	Chennai	Requires JEE Main + JEE Advanced for admission.
2	National Institute of Technology Tiruchirappalli (NIT Trichy)	Tiruchirappalli	Top-ranked NIT; accepts JEE Main through JoSAA counselling.
3	IIITDM Kancheepuram	Kancheepuram (Chennai region)	Central government institute; admissions through JEE Main .
4	Indian Institute of Information Technology Tiruchirappalli	Tiruchirappalli	Central institute; admits students via JEE Main (JoSAA/CSAB).
5	Indian Institute of Handloom Technology Salem	Salem	Government institute focusing on textile & handloom technology; admissions through central/state counselling processes .

TOP PRIVATE COLLEGES IN TAMIL NADU ACCEPTING JEE MAIN FOR B.TECH

S.No	Institution	Location	JEE Main Admission Details
1	Vellore Institute of Technology (VIT)	Vellore	Known for engineering programs; frequently considers JEE Main scores for admission.
2	SASTRA University	Thanjavur	Uses JEE Main scores in addition to its own ranking system for admissions.
3	SRM Institute of Science and Technology (SRMIST)	Chennai & Tiruchirappalli	Accepts JEE Main , along with SRMJEEE and TNEA pathways.
4	Amrita Vishwa Vidyapeetham	Coimbatore	Accepts JEE Main alongside AEEE for engineering admissions.
5	SSN College of Engineering	Chennai	Considers JEE Main scores for select admissions.
6	PSG College of Technology	Coimbatore	Accepts JEE Main scores along with TNEA counseling.
7	Chennai Institute of Technology (CIT)	Chennai	Renowned for CSE; uses JEE Main scores for admission.
8	Bannari Amman Institute of Technology	Sathyamangalam	Accepts JEE Main scores for engineering admissions.
9	Saveetha University	Chennai	Accepts JEE Main scores for engineering programs.
10	Dhanalakshmi Srinivasan University	Tiruchirappalli	Accepts JEE Main scores for undergraduate engineering courses.

SMART SKILL ADD-ONS (PARALLEL TO DEGREE)

Online Certifications (Parallel to College)

- AWS Cloud Practitioner
- Python for Data Science
- Ethical Hacking / Cybersecurity
- UI / UX Designer
- AI Foundations

These boost employability drastically.

Timeline (When to Do What?)

Month	What to Do
Mar–Apr	Prepare HSC exams
May–Jun	Apply to TNEA portal
Jul	Choice filling
Aug	Allotment Results
Sep	College joining
Oct–Dec	Start either courses / online