

### 3 **ADMISSION TO M.E./M.Tech. PROGRAMME**

**Mode of Program: Regular/Flexible**

#### 3.1 **ELIGIBILITY FOR ADMISSION**

Admission to all the M.E./M.Tech. programmes shall be made on the basis of valid GATE Score in respective discipline. First preference will be given to GATE qualified candidates and who have obtained at least 60% (55% for SC/ST/Industry sponsored) marks in the aggregate in the qualifying examination from a recognised University.

After offering seats to the GATE qualified candidates, the admission to remaining vacant seats (if any) shall be filled on the basis of merit prepared by giving 30% weightage to 12<sup>th</sup> marks and 70% weightage to B.E./B.Tech. marks (upto end of pre-final year). Overall minimum 60% (55% for SC/ST/Industry sponsored) in B.E./B.Tech. shall be required to be eligible for admission.

OR

In case M.Sc. is qualifying exam, the vacant seats (if any) shall be filled on the basis of merit prepared by giving 50% weightage to B.Sc. marks and 50% weightage to M.Sc. marks (upto end of pre-final year). Overall minimum 60% (55% for SC/ST/Industry sponsored) in M.Sc. shall be required to be eligible for admission.

Qualifying degree for M.E./M.Tech. programme in various disciplines is as under:

#### **M.E. – Mechanical Engineering**

B.E./B.Tech. degree in Mechanical/Production/Industrial/Mechatronics/ Automobile/ Marine/ Petroleum/Chemical/Metallurgy/Heat power/Aeronautical Engineering and Equivalent.

Students enrolled in M.E. Mechanical Engg. programme may opt for one of the following specialisations. Such students will be given additional certificate of the respective specialisation.

- Thermal Engineering
- CAD/CAM Engineering

#### **M.E. – Transportation Engineering**

B.E./B.Tech. in Civil Engineering, B.E./B.Tech. in Infrastructure Engineering

#### **M.E. – Structural Engineering**

B.E./B.Tech. degree in Civil Engineering.

#### **M.E. – Computer Science & Engineering**

B.E./B.Tech. degree in any discipline of Engineering and valid GATE score in "Computer Science/ Information Technology".

OR

BE/BTech degree in Computer Science/ Information Science/ Information Technology/ Software Engineering/ Software System or any other Engineering Branch with core computing subjects as Minor. Core computing subjects include

- |                                   |                              |
|-----------------------------------|------------------------------|
| (i) Operating Systems             | (iv) Data Structures         |
| (ii) Computer Networks            | (v) Any programming language |
| (iii) Data Base Management system |                              |

OR

M.Sc. in Mathematics/ Statistics/ Computer Science/ Electronics/ Physics/ Operations Research/ Information Science/ Information Technology OR MCA OR Equivalent

#### **M.Tech. – VLSI Design**

B.E./B.Tech. degree in Electronics / Computer Science/ Electronics & Communication / Electronics (Instrumentation & Control) / Electrical Engineering OR M.Sc. in Computer Science/ Electronics / Physics with Electronics / Instrumentation with Mathematics as one of the subjects in B.Sc.

#### **M.E. – Electric Vehicle Technology**

B.E./B.Tech. degree in Electrical/ Electrical & Electronics/ Electrical & Computer/ Electronics & Computer/ Electronics & Instrumentation/ Electrical & Instrumentation/ Instrumentation & Control Engineering/ Mechatronics or equivalent

#### **M.Tech. – Biotechnology**

B.E./B.Tech. degree in Biotechnology/ Chemical Engineering / Industrial Biotechnology / Biochemical Engineering /Bio-Medical Engineering / Bio-Informatics or a Bachelor's Degree in Pharmacy OR M.Sc. Degree in Biochemistry / Biotechnology / Microbiology / Bio-Physics / Biology / Botany / Zoology/ Genetics / MBBS / M.Sc.(Ag) & M.V.Sc.

#### **M.Tech. – Environmental Science & Technology**

B.E./B.Tech. degree in any branch of Engineering or Technology, OR M.Sc. in Chemistry/ Biochemistry/ Biotechnology/ Life Sciences (including Botany and Zoology) / Atmospheric Sciences.

**Note: Candidate who has passed Section B of the Institution of Engineers (India) or Grade IETE and has three years of professional experience in reputed organization are also eligible for admission to M.E./M.Tech. programme in respective disciplines.**

Sponsored Candidates with 55% marks in the qualifying examination are eligible for admission. Such candidates must have a minimum of two years of full time work experience in a registered firm/ company/ industry/ educational and research institutions/any Government Department of Government Organization in the relevant field in which admission is being sought. The employer in the sponsorship certificate must indicate that the fee will be borne by the sponsoring organization and the candidate will not withdraw before the completion of the programme. **The fee of the sponsored candidates shall be paid by the sponsoring agency from the company's bank account.**

### **3.2 DURATION OF PROGRAMME**

#### **Regular Mode**

The normal duration of programme leading to the M.E./M.Tech. degree in regular mode shall be four semesters, which includes course work of twelve subjects. The maximum duration for regular programmes is six semesters.

#### **Flexible Mode**

The normal duration of programme leading to the M.E./M.Tech. degree in flexible timings mode shall be 5/6 semesters. Number of credits will be same as offered to the students of regular mode. The maximum duration of the programme in flexible mode will be eight semesters.

### 3.3 NUMBER OF SEATS

The Institute offers PG programme of four semesters (regular) leading to M.E./M.Tech. degree. The distribution of seats discipline-wise is as under:

#### Regular Programs:

Programme	Deptt.	Number of Seats			
		Open	Sponsored	SC/ST	Total
M.E. – Mechanical Engineering	MED	10	5	3	18
M.E. – Transportation Engineering	CED	10	5	3	18
M.E. – Structural Engineering		19	5	6	30
M.E. – Computer Science & Engineering	CSED	71	5	14	90
M.E. – Electric Vehicle Technology	EIED	10	5	3	18
M.Tech. – VLSI Design	ECED	19	5	6	30
M.Tech. – Biotechnology	BTD	10	5	3	18
M.Tech. – Environmental Science & Technology	DEE	10	5	3	18
<b>Total</b>		<b>159</b>	<b>40</b>	<b>41</b>	<b>240</b>

In addition to above seats, 1% over and above seats are reserved for children of employees of Thapar Institute of Engineering & Technology. The candidates seeking admission under this category are required to satisfy the eligibility as mentioned above at 3.1.

5 seats in each regular discipline of M.E./M.Tech. programme are available for FN/NRI candidates. Refer section 10 for eligibility and other conditions.

Seats, if any in the sponsored category remained unfilled; such vacant seat(s) shall be filled by General category candidates.

**The program will run only if minimum 10 students are admitted in it.**

### 3.4 SCHOLARSHIPS/ASSISTANTSHIP

The candidates admitted in M.E./M.Tech. regular mode will be eligible for the scholarship as per the following:

- I. **Scholarship from AICTE:** - Candidates with valid GATE score, will be considered to receive scholarships only if approved and amount released by AICTE or any other funding agency (applicable only for intake approved by AICTE).
- II. **Scholarship from TIET:** - Candidates with valid GATE score who are getting scholarship from AICTE or from any other funding agency as mentioned at 'I' above, shall also be eligible for **additional scholarship** of Rs. 5000/- per month from TIET.

Candidates with valid GATE score who are not getting scholarship from AICTE or from any other funding agency as mentioned at 'I' above, shall be offered a scholarship of Rs. 12,400/- per month.

**ME/MTech Candidates who are not GATE qualified, shall be offered Rs. 10,000/- per month for 10 months in an academic year. A minimum 70% (65% for SC/ST) of marks in qualifying degree (as mentioned at 3.1) will be required to avail these scholarships. For continuation of Scholarship in second year, minimum 8.00 CGPA at the end of first year will be required with no backlog.**

ME/MTech may be assigned a load of not more than 6 hours per week of work related to teaching and research activities as assigned to him/her by the Institute. This could include conduct of tutorial classes/laboratory classes/development and maintenance of laboratories/assistance in research and development activities undertaken by faculty members/maintenance and operation of computers/other central facilities/assistance in library etc.

This Scholarship will be applicable for candidates admitted in the regular mode only.

### 3.5 LEAVE RULES

M.E./M.Tech. regular mode students getting scholarship shall be entitled for leave for a maximum period of thirty days per year in addition to general holidays but not entitled to vacation, e.g., summer, winter, etc. The students must apply for leave in advance and obtain the sanction from the concerned Head of the Department/School. The student shall be required to give an undertaking to the effect that he/she would not leave the course midway or appear in any competitive examinations, etc., not related to Engineering & Technology, in order to be eligible to receive this scholarship.

3.6 APPLICATION FEE : Rs. 1500/-

### 3.7 ADMISSION SCHEDULE

Candidates interested in taking admission in this programme can fill the application form available at <https://admission.thapar.edu/>. Admission committee will contact the candidate for document verification. Admission will be offered to all the eligible candidates till the vacancy of seats exist. Candidates are advised to check the website and their registered email ID regularly for counselling schedule.

### 3.8 IMPORTANT NOTE

- 1 **In all rounds of counselling, the GATE qualified candidates shall get first preference based on their merit. Those who missed the earlier round can attend any counselling held later but their admission will be on merit & subject to availability of seat.**
- 2 **If Application Fee is paid Online:** The candidates are not required to send the printout of application form but they must produce it at the time of interview.  
**If Application Fee is paid through DD:** Please send one of the printouts by attaching DD of required amount as mentioned in filled online Application Form/Prospectus (in favour of **Thapar Institute of Engineering & Technology** and payable at Patiala) to "**In-charge Admission Cell' Thapar Institute of Engineering & Technology, Patiala (Punjab)-147 004.**
- 3 For all the M.E./M.Tech. programs offered by a particular department/school single application form is required to be filled. However, if candidate wants to apply for M.E./M.Tech. program of other department/school also, he/she is required to select an additional department/school along with requisite application fee.
- 4 Candidates having any pending backlog in the qualifying degree (Graduation) shall not be considered for admission.
- 5 In case of a tie among candidates securing equal marks in the merit list, the same will be broken in accordance with the following criteria:
  - a. Candidate senior in age shall rank higher in order of merit.

- b. In the case of a tie in percentage of marks in the qualifying examination also, a candidate securing higher percentage of marks in matriculation/secondary or equivalent examination shall rank higher in order of merit.

6 Percentage of marks secured at the end of pre-final year of qualifying degree shall only be considered for preparing the merit for admission even if the candidate has completed the degree.

7 Candidates appearing in the final exam of the qualifying degree are also eligible to apply. Such candidates have to furnish following undertaking at the time of counselling.  
*"I am applying on my own risk and responsibility as my final result of the Qualifying Exam has not been declared.*

*I do hereby declare that I do not have any backlog paper in any of the previous semesters (Years) of study of the qualifying exam and also, I do not expect any backlog in my final exam.*

*I assure you that I will produce the proof of passing of my Qualifying Examination with the minimum percentage of marks required on or before **December 31, 2024**, failing which my admission shall stand cancelled and I shall not claim any right on any count whatsoever."*

### **3.9 SPECIFIC INSTRUCTIONS FOR ME/MTech FLEXIBLE MODE**

1 Number of credits in flexible mode will be same as that of regular mode.

2 Candidates admitted in flexible mode, can go for one-year internship at the same place where they are working. However, student must complete his/her 2-year course work, if he/she wants to go for the industry internship. The total duration in this case will be of 3 years (6 semesters).

3 If the student wishes to do the research work at TIET, he/she can start the thesis work w.e.f. 3rd semester. The total duration in this case can be 2.5 years (5 semesters).

4 Total intake of regular and flexible mode will not exceed the sanctioned intake as published in the prospectus.

5 Department will conduct the classes in the evening hours or during the weekends as suited to all the stakeholders i.e. faculty, students etc.