1.   **ADMISSION TO THE FIRST YEAR OF BE/BTech PROGRAM**

A)   **BE/BTech programmes**

Admission to BE/BTech programs shall be conducted through two modes. Applicants are required to fill application form one time only and on the basis of single application form, they can seek admission through any mode, subject to fulfilment of eligibility criteria.

I.   **Mode – 1: (Based on JEE Main – 2019 score) for 70% of seats**

70% of the total BE/BTech seats shall be filled on the basis of percentile based merit of JEE Main – 2019.

Eligibility:

The candidate

i.	has passed 10+2 or equivalent examination with at least 60% marks (55% for SC/ST candidates) in aggregate of three subjects, namely, **Physics**, **Mathematics** and any one subject out of **Chemistry, Biology, Biotechnology and Technical Vocational subject** OR Minimum 60% (55% for SC/ST candidates) marks in a Diploma recognized by AICTE or a state board of technical education of at least 3-year duration.
ii.	has appeared in JEE (Main)-2019.

iii.   possesses a good moral character.
iv.   is a citizen of India.
v.   has passed 10+2 examination in 2017, 2018 or appearing in 2019.

List of qualified candidates shall be displayed on the website within 10 days of last date of receipt of applications.

In the final round of counselling, any seat remaining vacant through Mode-1 shall be filled through Mode-2 and vice versa.

The admission shall be made on the percentile based merit of JEE Main – 2019.

II.   **Mode – 2: (Based on 10+2 marks in PCM) for 30% of seats**

30% of the total BE/BTech seats shall be filled on the basis of merit of marks secured in 10+2 or equivalent examination in aggregate of three subjects, namely, **Physics**, **Mathematics** and any one subject out of **Chemistry, Biology, Biotechnology and Technical Vocational subject.**

Eligibility:

The candidate

> i. has passed 10+2 or equivalent examination with at least 75% marks (70% for SC/ST candidates) in aggregate of three subjects, namely, **Physics**, **Mathematics** and any one subject out of **Chemistry, Biology, Biotechnology and Technical Vocational subject.**

    ii. possesses a good moral character.
    iii. is a citizen of India.
    iv. has passed 10+2 examination in 2017, 2018 or appearing in 2019.

List of qualified candidates shall be displayed on the website within 10 days of last date of receipt of applications.

In the final round of counselling, any seat remaining vacant through Mode-1 shall be filled through Mode-2 and vice versa.

B) **BTech (Biotechnology) and BTech (Biomedical Engineering) programme**

In addition to the eligibility mentioned at (A), admission to BTech (Biotechnology) and BTech (Biomedical Engineering) programme shall be conducted through following two modes as well.

Mode – 1: (Based on NEET – 2019 score) for 70% of the available seats

70% of the available seats in BTech (Biotechnology) and BTech (Biomedical Engineering) shall be filled on the basis of merit of NEET - 2019.

Eligibility:

The candidate

> i. has passed 10+2 or equivalent examination with at least 60% marks (55% for SC/ST candidates) in aggregate of three subjects, namely, **Physics**, **Chemistry and, Biology.**
> ii. has appeared in NEET - 2019.

    iii. possesses a good moral character.
    iv. is a citizen of India.
    v. is born on or after October 1, 1994 (5-years relaxation in age for SC/ST/PH candidates).

List of qualified candidates shall be displayed on the website within 10 days of last date of receipt of applications.

In the final round of counselling, any seat remaining vacant through Mode-1 shall be filled through Mode-2 and vice versa.

Seats of BTech (Biotechnology) and BTech (Biomedical Engineering) shall be offered to candidates through online counselling based on JEE Main – 2019 merit. Any seats,

remaining vacant, shall be offered to candidates during in-person counselling on the merit of NEET – 2019.

Mode – 2: (Based on 10+2 marks in PCB) for 30% of the available seats

30% of the available seats in BTech (Biotechnology) and BTech (Biomedical Engineering) shall be filled on the basis of merit of marks secured in 10+2 or equivalent examination in aggregate of three subjects, namely, **Physics**, **Chemistry and, Biology.**

Eligibility:

The candidate

i.	has passed 10+2 or equivalent examination with at least 75% marks (70% for SC/ST candidates) in aggregate of three subjects, namely, **Physics**, **Chemistry and, Biology.**

ii.   possesses a good moral character.
iii. is a citizen of India.
iv.   is born on or after October 1, 1994 (5-years relaxation in age for SC/ST/PH candidates).

List of qualified candidates shall be displayed on the website within 10 days of last date of receipt of applications.

In the final round of counselling, any seat remaining vacant through Mode-1 shall be filled through Mode-2 and vice versa.

The first five toppers of the recognized Boards of India in the examinations held in 2019, shall be given direct admission to the first year of UG program, with the condition that they must have appeared in JEE (Main)-2019 but the entrance test score of such students shall not be required for admission. They shall be allocated branch of their choice. Such candidates shall have to furnish proof of being toppers from their respective boards. Tuition fee shall also be waived off for such students provided they maintain minimum CGPA of 8.50 in subsequent semesters. Only toppers having first five positions among science stream (Non-Medical) at 10+2 of a respective board shall be considered.

1.1 NUMBER OF SEATS

TIET offers UG programs in the following disciplines. Discipline-wise distribution of total seats is as under:

Table – I: Branch and Mode wise distribution of seats

BE/BTech Program	Number of seats (4-years duration)		Dual-Degree BE-MBA (5-years duration)		TCD (2-yrs at TIET + 2-yrs at TCD)		Total Seats
	Mode-1	Mode-2	Mode-1	Mode-2	Mode-1	Mode-2	
Biomedical Engineering	42	18					60
Biotechnology	42	18					60
Chemical Engineering*	42	18	_		_		60
Civil Engineering	74	31	_		11	4	120
Computer Engineering*	487	208	21	9	18	7	750
Computer Science & Engineering (Patiala Campus)	126	54	_		_		180
Computer Science & Engineering (Derabassi Campus)#	84	36	_		_		120
Computer Science and Business systems	42	18					60
Electrical Engineering*	126	54	_		_		180
Electronics & Communication Engineering	115	50	21	9	11	4	210
Electronics and Computer Engineering	126	54	_		_		180
Electronics (Instrumentation & Control) Engineering*	70	30	_		_		100
Mechanical Engineering	126	54	21	9	11	4	225
Mechanical Engineering (Production)	21	9	_		_		30
Mechatronics	21	9	_		_		30
TOTAL	**1544**	**661**	**63**	**27**	**51**	**19**	**2365**

* at the end of second year, students may opt for one of the following Elective focus:

Branch	Elective Focus at the end of second year
Chemical Engineering	• Petroleum • Energy • Materials
Computer Engineering	• High Performance Computing • Computer Animation and Gaming • Machine Learning and Data Analytics • Information and Cyber Security • Software Engineering • Mathematics and Computing
Electrical Engineering	• Data Analytics • Real Time Systems • Smart Electrical Networks
Electronics (Instrumentation & Control) Engineering	• Industrial Automation • Biomedical Instrumentation • Smart Systems

Such students will be given additional certificate of the respective specialisation.

BE- Computer Science & Engineering (Derabassi Campus) will run at Derabassi Campus with first two years at Derabassi and remaining 2 years at Patiala campus.

Minor in CSE: All the students of **Non-CSE** streams will be offered **five additional Computer based optional courses** with additional 20 credits to enhance their employability during the recruitment process. These courses will only be offered as optional courses preferably during the evening hours of the regular working days. The student will be given a certificate of completion of the '**Minor in CSE**'. An amount of Rs. 10000/- per course would be charged to students for each of the course offered under the 'Minor in CSE' except for those offered in the regular curriculum.

A Maximum of 70 students can take admission under 'Contemporarisation Program' with Trinity College Dublin (TCD), Ireland. These students will study first 2 years at TIET and remaining 2 years at TCD. The degree will be awarded by TCD, Ireland. These students will have to pay separate fee, as per the fee structure prescribed, from the first year of their study.

Dual Degree Program(BE-MBA): Admission under this program shall be made on the basis of merit of JEE(Main)/10+2 PCM score. The Dual-Degree BE-MBA program will be of 5-years duration. The fee will be charged as prescribed for BE and MBA programs. There shall be no exit option at the end of 4th year. There shall be no compromise on the total credits of two programs taken individually. Few courses of BE-MBA will be offered in summer semesters.

In case of any seat remaining vacant in the Dual-Degree BE-MBA program or the International Engineering program, the same seats shall be filled in the respective discipline of UG (4-year program).

I.   **PUNJAB STATE SEATS:**

50% of the seats are reserved for candidates who have passed qualifying examination from School/College/Institute located in the state of Punjab.

The candidates having Punjab Residency certificate but have passed 10+2 examination from any location outside Punjab shall also be considered under Punjab quota. Such candidates will have to submit an affidavit at the time of document checking that they have not availed state quota in any other State/UT. **Candidates seeking admission under this category are required to submit a certificate as per format (Annexure-XV) along with the application form.**

II.   **SEATS FOR SPORTS PERSONS FROM PUNJAB:**

2% seats are reserved for outstanding sports persons possessing sports gradation certificates A, B or C issued by the Director of Sports, Punjab. Candidates in the following sports disciplines will only be considered for admission for these seats:

    i.   Archery
    ii.   Athletics
    iii. Badminton
    iv. Basketball
    v.   Boxing
    vi. Cricket
    vii. Cycling
    viii. Handball
    ix. Hockey
    x.   Kabaddi
    xi. Lawn Tennis
    xii. Football
    xiii. Roller Skating
    xiv. Swimming
    xv. Table Tennis
    xvi. Volleyball
    xvii. Weight Lifting, Power Lifting & Best Physique

An attested copy of the sports gradation certificate and other relevant sports participation certificates must be attached along with the application form.

Further, the following conditions will apply for seeking admission under Sports category:

    i.   Only the above-mentioned games/disciplines will be considered for admission as TIET participates & holds Inter-University/Inter-Engineering Tournaments in these games.

    ii.   The Constitution of sports committee for the purpose of making sports merit is as under:

• Chairman of Admission Committee	- Chairman
• One representative of Department of Sports, Punjab	- Member
• President Sports, TIET	- Member
• Assistant Director Sports, TIET	- Member
• Registrar, TIET	- Member

The Committee will prepare Sports merit as per the criteria laid down by the Director, Department of Sports, Punjab.

iii.   Admission will be made by the duly constituted Admission Committee of the Institute on the basis of sports merit prepared by the sports committee.

III.   OUTSIDE PUNJAB STATE SEATS:

50% of the seats are reserved for candidates who have passed qualifying examination from School/College/Institute located outside the state of Punjab.

IV.   OVER AND ABOVE SEATS:

i.   **Punjab Government Nominee (PGN) Seats:** 2% seats are reserved for the candidates nominated by Punjab Government. These seats shall be filled up subject to the policy of the Punjab Government regarding nominations amended from time to time. The candidates for these seats are required to appear in the entrance test as specified by Punjab Government. The candidates for this category should contact the office of Director, Technical Education & Industrial Training (Government of Punjab), Plot No 1, Sector 36-A, Chandigarh.

ii.   **Seats reserved for beneficiary States**: MHRD, GOI, is having a continuous scheme of reservation of seats in Engineering/ Technology/ Architecture/ Pharmacy courses conducted at degree and diploma level technical institutions approved by AICTE, for states and UTs which do not have Engineering colleges, Polytechnics or lack facilities for education in specific fields of technical education and for certain categories including foreign students.

The nomination of the students is made by the State Governments concerned on the basis of their own criteria like entrance test etc. MHRD has no discretionary powers to nominate any students to any specific course or college and the actual admission of the student.

One seat in each discipline is reserved under this scheme of reservation of seats of MHRD, GOI.

iii.   **Jammu & Kashmir Migrants (JKM)**

One (1) seat is reserved for the Jammu & Kashmir Migrants. The admission & discipline of seat under this category will be decided by the Director, Technical Education Punjab.

Candidates desirous of seeking admission as Kashmiri Migrants may contact the office of Director Technical Education & Industrial Training (Government of Punjab), Plot No 1, Sector 36-A, Chandigarh.

iv.   **Jammu & Kashmir students or students belonging to N-E states (**Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim)**:** Two (2) seats in each discipline (one for J & K and one for N-E students) shall be offered to candidates under this category. The candidates must have domicile of the concerned states and must have appeared/passed 10+2 exam from these respective states besides fulfilling eligibility clause at 1(A)(I) above. The admission shall be made by the admission committee of the Institute on the percentile based merit of JEE Main 2019.

Note: Candidates nominated under the category OVER AND ABOVE SEATS must register prior to the last date of registration as mentioned in the Academic Calendar. No late

applications shall be entertained. Branch mentioned in the nomination must conform to one of the existing branches (as per Sr. no. 1.2) of the Institute; else the nomination shall be void. In case Institute receives multiple nominations for any branch, only the first received nomination shall be accepted for that branch.

V.   CHILDREN OF THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY EMPLOYEES:

1% over and above seats are reserved for children of employees of Thapar Institute of Engineering & Technology in each discipline. The candidates seeking admission under this category are required to satisfy the eligibility mentioned at 1(A) or 1(B).

VI.   SEATS UNDER DIFFERENT CATEGORIES:

Table – II(A): 70% SEATS (1334) UNDER DIFFERENT CATEGORIES FOR EACH DISCIPLINE (Mode-1)
(Updated on 30 April, 2019 after AICTE approval)

		%age	BM	BT	CHE	CIE	COE	CSE (PTA)	CSE (DRB)##	CSBS	ELE	ECE	ENC	EIC	MEE	MEP	MEC	Total
1	**Reserved Seats**																	
(a)	Scheduled Castes/Tribes																	
	i) From Punjab	25%	5	5	5	9	61	16	11	5	16	14	16	9	16	2	2	**192**
	ii) Outside Punjab — SC	17.5%	4	4	4	6	43	11	7	4	11	10	11	6	11	2	2	**136**
	ii) Outside Punjab — ST	7.5%	1	1	1	3	18	5	3	1	5	4	5	3	5	1	1	**57**
(b)	Backward Classes from Punjab	5%	1	1	1	2	12	3	2	1	3	3	3	1	3	1	1	**38**
(c)	Sports Persons from Punjab	2%	1	1	1	1	5	1	1	1	1	1	1	1	1	-	-	**17**
(d)	Physically handicapped persons		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
	i) From Punjab	3%	1	1	1	1	7	2	1	1	2	1	2	1	2	1	1	**25**
	ii) Outside Punjab	3%	1	1	1	1	7	2	1	1	2	1	2	1	2	1	1	**25**
2	**Open Merit Seats**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
(a)	From Punjab		13	13	13	24	159	41	27	13	41	38	41	23	41	6	6	**499**
(b)	Outside Punjab		15	15	15	27	175	45	31	15	45	43	45	25	45	7	7	**555**
	Total		**42**	**42**	**42**	**74**	**487**	**126**	**84**	**42**	**126**	**115**	**126**	**70**	**126**	**21**	**21**	**1544**

Table – II(B): 30% SEATS (571) SEATS UNDER DIFFERENT CATEGORIES FOR EACH DISCIPLINE (Mode-2)

			%age	BM	BT	CHE	CIE	COE	CSE (PTA)	CSE (DRB)##	CSBS	ELE	ECE	ENC	EIC	MEE	MEP	MEC	Total
1	**Reserved Seats**																		
(a)	Scheduled Castes/Tribes																		
	i) From Punjab		25%	2	2	2	4	26	6	5	2	6	6	6	4	6	2	2	**81**
	ii) Outside Punjab	SC	17.5%	1	1	1	3	18	5	3	1	5	4	5	3	5	1	1	**57**
		ST	7.5%	1	1	1	1	8	2	1	1	2	2	2	1	2	-	-	**25**
(b)	Backward Classes from Punjab		5%	1	1	1	1	5	1	1	1	1	1	1	1	1	-	-	**17**
(c)	Sports Persons from Punjab		2%	-	-	-	-	2	1	-	-	1	-	1	-	1	-	-	**6**
	Physically handicapped persons			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
(d)	i) From Punjab		3%	-	-	-	1	3	1	1	-	1	1	1	-	1	-	-	**10**
	ii) Outside Punjab		3%	-	-	-	1	3	1	1	-	1	1	1	-	1	-	-	**10**
2	**Open Merit Seats**			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
(a)	From Punjab			6	6	6	9	68	18	11	6	18	17	18	10	18	3	3	**217**
(b)	Outside Punjab			7	7	7	11	75	19	13	7	19	18	19	11	19	3	3	**238**
	Total			**18**	**18**	**18**	**31**	**208**	**54**	**36**	**18**	**54**	**50**	**54**	**30**	**54**	**9**	**9**	**661**

Table – II(C): OVER AND ABOVE SEATS FOR EACH DISCIPLINE
(Updated on 30 April, 2019 after AICTE approval)

		%age	BM	BT	CHE	CIE	COE	CSE (PTA)	CSE (DRB)##	CSBS	ELE	ECE	ENC	EIC	MEE	MEP	MEC	Total
3	**Nomination Seats**																	
	i) Punjab Govt.	2%	1	1	1	2	15	4	2	1	4	4	4	2	4	1	1	47
	ii) Govt. of India		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
	iii) J & K Migrants																	1**
	iv) J & K (AICTE)																	10**
	v) J & K Students		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
	vi) N-E Students		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
4	**FN/NRI Seats #**	15%	9	9	9	18	100	27	18	9	27	25	27	15	27	5	5	330
5	**Children of TIET Employees**	1%	1	1	1	1	8	2	1	1	2	1	2	1	2	-	1	**24**

Abbreviations used in Table-II:

BM: Biomedical Engineering, **BT:** Biotechnology, **CHE:** Chemical Engineering, **CIE:** Civil Engineering, **COE:** Computer Engineering,

CSE (PTA): Computer Science & Engineering (Patiala Campus), **CSE (DRB)**: Computer Science & Engineering (Derabassi Campus),

CSBS: Computer Science and Business systems, **ECE**: Electronics and Communication Engg, **ELE**: Electrical Engg, **EIC**: Electronics (Inst & Ctrl) Engg,

MEE: Mechanical Engg, **MEC**: Mechatronics, **MEP**: Mechanical (Production), **ENC:** Electronics and Computer Engg,

Please refer to Section 10.0 for eligibility and other conditions.

** Discipline will be allocated as per the choice of the candidates.

First two years at Derabassi Campus, Last two years at Patiala Campus

C) **Dual-Degree BE-MBA programs (5-years duration)**

Table – III: Branch and Mode wise distribution of seats (BE-MBA Programme)

BE-MBA Program	Number of seats	
	Mode-1	Mode-2
Computer Engineering	21	9
Electronics & Communication Engineering	21	9
Mechanical Engineering	21	9
Total	63	27
Grand Total	90	

Admission under this program shall be made on the basis of merit of JEE(Main)/10+2 score. The Dual-Degree BE-MBA program will be of 5-years duration. The fee will be charged as prescribed for BE and MBA programs. There shall be no exit option at the end of 4th year. There shall be no compromise on the total credits of two programs taken individually. Few courses of BE-MBA will be offered in summer semesters.

In case of any seat remaining vacant in the Dual-Degree program, the same shall be filled in the respective discipline of UG (4-year program).

25% seats i.e. 23 shall be reserved for SC/ST, **3% seats i.e. 3** shall be reserved for physically handicapped students and rest of the seats i.e. 64 will be available for **General Category**.

D) **International Engineering Program (4-years duration)**

I. **Credit-Transfer Program between Thapar Institute of Engineering & Technology and Trinity College Dublin (TCD)**

Trinity and TIET have developed a credit transfer International Engineering Programme (IEP) which enables students admitted to undergraduate engineering programmes at Thapar Institute of Engineering & Technology (TIET) the opportunity to study at Ireland's leading university, Trinity College Dublin. The programme provides an opportunity for engineering undergraduates to secure a degree from Trinity, consistently ranked as Ireland's top university and within the top 1% of universities worldwide.

Drawing on the expertise of the School of Engineering and the School of Computer Science and Statistics at Trinity, this programme focuses on delivering a research-inspired, outcome-based educational experience to students. Eligible students will pursue the first two years of their course in India before transferring to Ireland for years 3 and 4 of the degree programme, subject to achieving the required grades. Additionally, qualified students can apply to pursue a Masters (MAI) qualification by completing one further year at Trinity.

The IEP undergraduate programme is multi-dimensional, having a strong technical focus and also an emphasis on developing other skills engineers require, such as team working skills, knowledge of ethics and an awareness of the social and environmental impacts of their work. Trinity graduates have a broad-based understanding of the whole discipline and a detailed knowledge of their chosen specialist area. They often end up working, both locally and internationally, on multi-disciplinary projects that require innovative approaches and thinking.

The first two years, taught in Thapar, introduces the different facets of engineering including introductory courses in engineering science and mathematics. From third year onwards, students have the opportunity in Trinity to broaden and deepen their knowledge and understanding of their chosen specialism. Subjects are studied in much

greater detail and students undertake real-life, practical projects. See examples on Trinity's websites: www.tcd.ie/Engineering/ and www.scss.tcd.ie/.

This engineering programme in Trinity is professionally accredited by Engineers Ireland, who are part of the Washington Accord, and therefore are internationally recognized. Graduates have both a broad- based understanding of the whole discipline and a detailed knowledge of their chosen specialist area. The aim is that graduates will be able to continuously train themselves, to adapt and move into related or newly emerging areas as their careers develop after graduation.

About Trinity College Dublin, the University of Dublin
Trinity, founded in 1592, is Ireland's oldest and highest ranked university.

For over 425 years, this historic university has been a world leader in high-quality, internationally-recognised education. With a global reputation for excellence, Trinity promotes creativity and innovative thinking in students. Trinity's bustling campus is an oasis in the very heart of Dublin, a vibrant and safe European capital city. The university's city-centre location offers students a unique opportunity to blend a rigorous academic programme with an unparalleled array of cultural, social and professional experiences. A wealth of museums, theatres, galleries, cafes, restaurants and historic tourist sites are located right on Trinity's doorstep.

As a leading university on the world stage, Trinity is recognised for academic excellence and a transformative student experience.

Trinity academics are global leaders in their fields who work alongside students in a common enterprise of discovery. The Trinity curriculum is about imparting knowledge and is aimed at developing the critical faculties of the mind, through freedom of expression, willingness to engage in debate, and original research.

Dedicated academic and pastoral support is provided throughout a student's time in the University. Each incoming student is assigned a tutor, a member of staff who is there to advise and help them deal with any issues, academic or otherwise. In addition, students in the International Engineering Programme are also assigned a mentor in their engineering discipline.

95% of Trinity graduates get employment or pursue further study within 6 months after completing their studies.

The university has produced generations of outstanding graduates, held in high esteem by employers internationally. To study at Trinity is to become part of a global community of thinkers, creators, scientists, artists, inventors and entrepreneurs, from over 130 different countries.

Trinity College is 1st in Europe for producing Entrepreneurs, generating 180 companies, producing 192 entrepreneurs and raising $2,166 million over the last 10 years.

Pitchbook Universities Report, 2016/2017

Pedagogy

The engineering programs offered at Thapar Institute of Engineering & Technology reflect the long-held ethos that engineering education should be broad-based to enable graduates to develop throughout their professional careers, finding solutions for as yet unseen challenges. To further improve the educational experience of the students, Thapar Institute of Engineering & Technology has embarked upon a mission in partnership with Trinity College Dublin to deliver a research inspired, outcome based educational experience to the students at all levels. This is a major shift in focus from the current content-oriented imparting of engineering education to a project-based and outcome-oriented educational experience. The new teaching pedagogy lays emphasis on

applying engineering skills through relevant engineering design projects, improving team-working skills and awareness of issues relating to ethics and professionalism. In order to achieve this objective, Thapar Institute of Engineering & Technology has partnered with Trinity College Dublin to implement a 'Contemporisation Program' to modernize and enrich the current education curriculum to a significantly higher paradigm. TIET will harmonize the curriculum of the undergraduate engineering programs to synchronize completely with Trinity.

TIET has adopted the learning outcomes approach for teaching with greater reliance on self-directed learning, mini-projects within the courses, research-led teaching, use of project work and assignments. All academic staff is encouraged to bring in cutting-edge research ideas from their own research into their teaching.

"Trinity-Thapar's one of a kind collaboration has been a boon for our cohort. The experience of studying in an international university is unparalleled. The transition, culturally and academically, was made plain sailing by the tremendous support from Trinity and Thapar."

Pulkit Madan Mechanical Engineering – 2016 transfer from Thapar

Benefits of Credit Transfer Program

Flexibility of choosing the engineering specialization:(Subject to equal distribution as far as possible across the most popular specialisms)

The student at the time of admission at Thapar Institute of Engineering & Technology may apply for any specialization on offer depending upon his/her rank in the qualifying examination. The student can pursue his/her interest area of study after undertaking a comprehensive set of engineering, science and mathematics courses including special engineering design projects during the first two years. With the knowledge gained during the first two years at TIET, the student is better equipped to undertake a specialization at Trinity.

There may be a possibility of selecting a different discipline at TCD for the year 3 and 4, however, this cannot be guaranteed and is entirely dependent upon availability within defined limitations on capacity and is subject to equal distribution as far as possible across the most popular specialisms. The specializations offered at Trinity are:

1. Civil, Structural and Environmental Engineering
2. Mechanical and Manufacturing Engineering
3. Electronic Engineering
4. Electronic/Computer Engineering (combined program)
5. Computer Engineering

These courses aim to broaden and deepen the student's knowledge and understanding of the chosen specialism. Subjects are studied in much greater detail and students undertake real-life, practical projects. A student who chooses Civil, Structural and Environmental Engineering could end up testing the pre-cast concrete used to build the London to Heathrow railway; a student who chooses Computer Engineering, might design a special purpose microprocessor.

The B.A.I./M.A.I. (Engineering) degree program is based on two years of general engineering, providing students with a firm grounding in the principles common to all disciplines, followed by two/three years of specialization. Graduates are professionally accredited engineers with both a broad-based understanding of the whole discipline and a detailed knowledge of their chosen specialist area. The aim is that graduates will be able to continuously train themselves, to adapt and move into related or newly emerging areas as their careers develop after graduation.

This programme is professionally accredited. Graduates have both a broad-based understanding of the whole discipline and a detailed knowledge of their chosen specialist area. The aim is that graduates will be able to continuously train themselves, to adapt and move into related or newly emerging areas as their careers develop after graduation.

The programme provides an opportunity for engineering undergraduates to secure a degree from Trinity, consistently ranked as Ireland's top university and within the top 1% of universities worldwide. More information on the Trinity's UG Engineering degree: http://www.tcd.ie/Engineering/undergraduate/

"Trinity provides an unparalleled learning ground to kick-start your engineering career. I believe, the pleasantly challenging project work with befitting technology has prepared me to work on real-world applications in the industry."

Tushti Singla Electronics & Computer Engineering – 2015 transfer from Thapar

Opportunity to secure a Trinity College Dublin undergraduate engineering degree

Trinity College is consistently ranked amongst the top world universities. This unique collaboration gives Thapar students an opportunity to secure a globally recognized undergraduate engineering degree.

Cost Savings

The student will pay Thapar Institute of Engineering & Technology fee for the first two years of the program. For years 3 and 4, eligible students will pay the relevant Trinity fee for the course of study. By choosing this approach the student will pay substantially lower fees than their international counterparts who opt for a four-year program at Trinity. Additionally, boarding and lodging costs would be significantly lower as the student will be spending only two years in Ireland.

Postgraduate education and Placement

The students will have an opportunity to apply for a Master's degree at Trinity by completing a further year following the undergraduate program. A full list of available postgraduate programs is available here: https://www.tcd.ie/courses/postgraduate/

Students who study the full 5 year MAI course also have an internship option in their fourth year. This unique programme is designed to give students industrial experience, prepare them for professional careers, and expose them to state-of-the-art facilities and cutting-edge research in the fields of engineering. Additionally, all graduates are entitled to a 12-month work visa in Ireland providing students with the opportunity to gain international work experience.

Work along with study

Non-EU students registered on a full-time education course lasting for at least one academic year can work part-time, up to a maximum of 20 hours per week during term time and up to 40 hours per week during term breaks. On registration with the Garda National Immigration Bureau (GNIB), students will receive a passport stamp reflecting this entitlement. Further information can be found at www.icosirl.ie/eng/student_information/working_in_ireland
If the student takes up this route, he/she may be able to cover some of their living expenses in Ireland.

Also, the Careers Advisory Service at Trinity advertises many work experience and internship opportunities on their website. They also send out weekly emails with updated job listings for which students may apply. Students can also search for summer internship opportunities. Please see the Careers Advisory Service website for more details: http://www.tcd.ie/Careers/

"When I decided to move to Dublin, I knew it was an opportunity to step out of my comfort zone, challenge myself and be independent. The course exceeded my expectations, teaching me skills beyond computer engineering that have helped me develop as a person. This includes confidence, self-discipline and team working skills. By enrolling in Trinity, you get not only a supportive faculty and the state of art facilities, but also picturesque surroundings and company of some of the most wonderful people from around the globe. And of course, the Irish charm and friendliness, both inside the college and within the Georgian heart of Dublin serves as the perfect icing on the cake."

Peru Bhardwaj Computer Engineering – 2015 transfer from Thapar

Options after graduation

Graduates from Trinity College Dublin pursue careers across many fields all over the world. Students may sign up to meet with the International Careers Advisor for one-to-one careers advice or may enroll in one of regular workshops on developing interview skills, writing a CV (resume), finding work in Ireland or working overseas. You can find more information about what graduates from each course are doing now on Your Degree-What Next? http://www.tcd.ie/Careers/students/degree/

Trinity has an active alumni network, with over 95,000 alumni currently working in 122 countries. Local alumni chapters are always happy to welcome new graduates and can be a great source of networking for students.

Personal Tutor

Trinity's Tutor Service is a unique approach to student care. Every student is assigned a tutor, a Professor who provides personal and academic advice and support throughout their years in the University. A blend of mentor and advisor, tutors assist students with any difficulties, listen to their concerns and help them to get the most out of their time at Trinity College Dublin. www.tcd.ie/Senior_Tutor

Life in Dublin

With a fast-growing, cosmopolitan population of just over one million, Dublin is a vibrant European capital city. Located at the heart of Dublin, Trinity sits at the very center of everything the city has to offer. Blending a high-energy, multinational professional culture with traditional Irish warmth and hospitality, Dublin has sprawling parks, cozy cafes and quirky restaurants for the daytime, with Victorian pubs, fashionable clubs, music gigs and theatre by night.
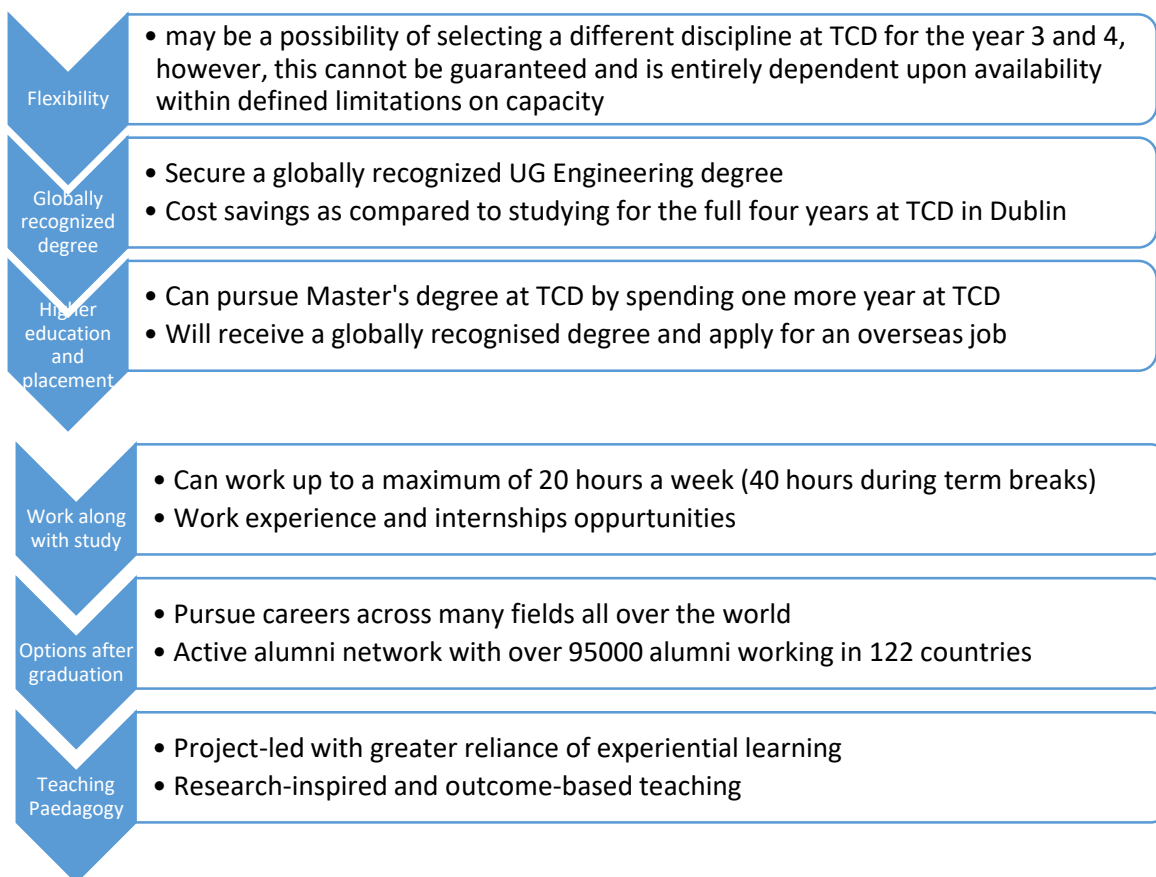
"Trinity really is one of the best universities in the world. I couldn't have asked for more; the teachers are so helpful to me, whenever there is anything I need or didn't understand they are always there without delay. The Trinity program granted me an international perspective I would not otherwise have got. I got to study different subjects from Thapar Institute of Engineering & Technology which expanded my knowledge in Computers and Electronics Engineering. Presently, I am in fourth year, but I already feel like I am prepared for the professional career ahead. The facilities are just amazing and the place feels homely. Trinity offers an intellectual environment that is matched in very few other places in the world. I have made really good friends here and

many of them are among my best-friends now; I think it is because we are all united by work. The Trinity experience is definitely one that I will never regret. It is quite possibly one of the best decisions of my life and I'm so grateful that I got the opportunity to study here. I would recommend Trinity College Dublin to anybody."

Shekhar Jain Electronics & Computer Engineering 2015 transfer from Thapar

Benefits of TIET-TCD Credit Transfer Degree Program

Flexibility
- may be a possibility of selecting a different discipline at TCD for the year 3 and 4, however, this cannot be guaranteed and is entirely dependent upon availability within defined limitations on capacity

Globally recognized degree
- Secure a globally recognized UG Engineering degree
- Cost savings as compared to studying for the full four years at TCD in Dublin

Higher education and placement
- Can pursue Master's degree at TCD by spending one more year at TCD
- Will receive a globally recognised degree and apply for an overseas job

Work along with study
- Can work up to a maximum of 20 hours a week (40 hours during term breaks)
- Work experience and internships oppurtunities

Options after graduation
- Pursue careers across many fields all over the world
- Active alumni network with over 95000 alumni working in 122 countries

Teaching Paedagogy
- Project-led with greater reliance of experiential learning
- Research-inspired and outcome-based teaching

Number of Seats-

Table – IV: Branch wise distribution of seats (TIET-TCD Programme)

International Engineering Program	Number of seats
Civil Engineering	15
Computer Engineering	25
Electronics Engineering/Electronics & Computers	15
Mechanical Engineering	15
Total	70

Upto 70 students can take admission under this Program' with Trinity College Dublin (TCD), Ireland. These students shall study first 2 years at TIET and remaining 2 years at TCD. The degree shall be awarded by TCD, Ireland. These students will have to pay separate fee, as per the fee structure prescribed, from the first year of their study only. In case of any seat remaining vacant in the International Engineering Program, the same shall be filled in the respective discipline of UG (4-year program).

"Coming to Trinity has been a truly rewarding experience. The curriculum at Trinity is very unique, you get to learn a lot by doing assignments and labs under one of the best facilities in the world. It is after studying here that I have found my true passion for Computers. The Engineering course also focuses on developing the entrepreneur in you and gives you ample opportunities to kick-start your idea. Trinity being in Dublin-Europe's IT hub, you get a whole array of opportunities to grow. I feel lucky to have studied in one of the world's top universities."

Abhinav Garg Computer Engineering – 2015 transfer from Thapar

Admissions Process

The admission to the undergraduate credit transfer program is purely on merit and is the same as in other engineering undergraduate programmes. The eligibility conditions are same as for regular undergraduate engineering programs offered by Thapar Institute of Engineering & Technology. The students will be admitted in the undergraduate programs in the branch available as per their merit at the time of exercising their choice at TIET. However, the students will also have a choice to choose a TIET branch, if available. (The TIET branch may be different from his/her regular TCD branch). Thus, students opting for undergraduate credit transfer program shall be allocated two branches namely TCD branch and TIET branch. The students seeking admission under this category will undertake courses of their TIET branch for the first two years (many courses are common during the first two years).

Such students will be transferred to TCD to pursue their further studies at the end of two years at TIET subject to meeting the academic requirements for the credit transfer program. However, if a student does not meet the academic requirements or opts out of TCD program for any unforeseen reason, he/she will pursue the courses of his/her TIET branch during Year 3 and 4 at TIET.

Fees for the credit transfer program (TIET-TCD)

Year	Campus	Annual Tuition Fee		Hostel expenses	
		Indian Students	*Foreign, NRI Students*	*Indian Students*	*Foreign, NRI Students*
Year 1 (2019)	Thapar Institute of Engineering & Technology	1.5 times the total normal fee*	As published on website www.thapar.edu	As published on website www.thapar.edu	As published on website www.thapar.edu
Year 2 (2020)	Thapar Institute of Engineering & Technology	1.5 times the total normal fee*	As published on website www.thapar.edu	As published on website www.thapar.edu	As published on website www.thapar.edu
Year 3 (2021)	Trinity College Dublin	€24,603	€24,603	Actuals	Actuals
Year 4 (2022)	Trinity College Dublin	€24,603	€24,603	Actuals	Actuals

* In case a student under this program is able to score a minimum CGPA of 8.50 or more at the end of second year and opts for going to TCD, the additional fee (fee component

> TIET normal fee) charged in first two years shall be reimbursed to him/her. Further, the students whose CGPA at the two years is between 7.5 and 8.5, 50% of the additional fee paid by them (fee component > normal TIET fee) will be refunded to such students.
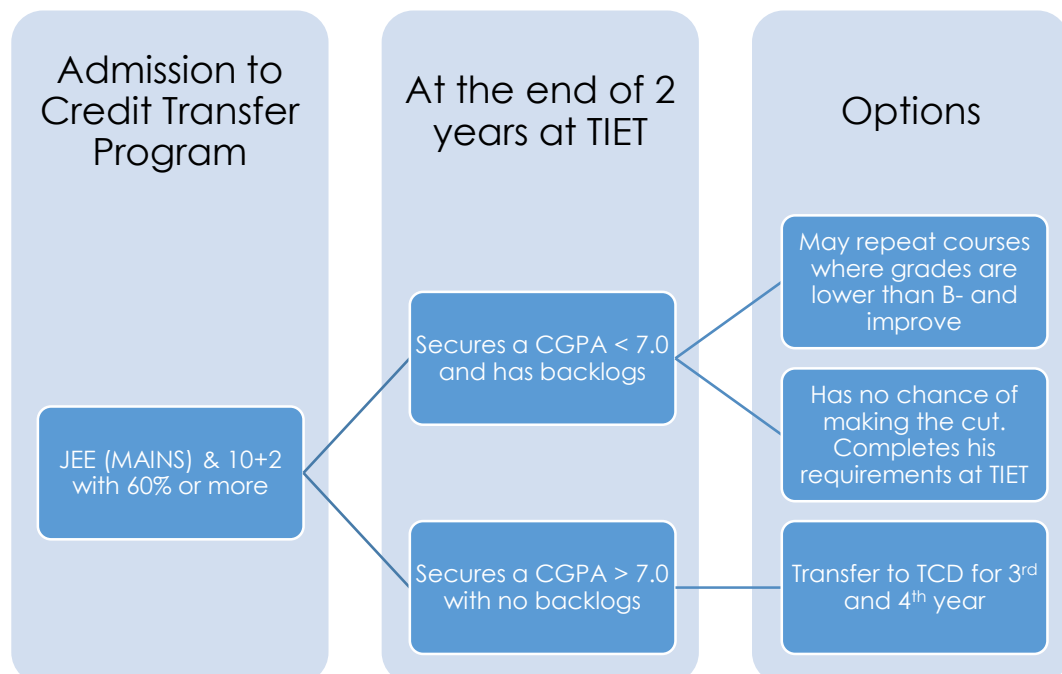
in case any student paying normal fee desires to join International Engineering Programme (IEP) at the end of 2nd year and is having CGPA of 8.50 or more, he/she is not required to pay the differential fee. The students having CGPA < 8.50 shall not be given any fee reimbursement.

Students who meet the academic entry requirements for transferring to Trinity College Dublin in the year 3 and 4, the students will be eligible for 15% discount on their tuition fee (15% of Euro 24, 603) as a special Trinity-Thapar scholarship award which would reduce their Trinity tuition fee.

These students will be provided continuous mentoring support throughout their stay at TIET. Additionally, the performance of these students will also be reviewed periodically by TCD.

Transfer to Dublin at the end of two years
The students will be able to pursue their education at TCD only if they obtain a minimum CGPA of 7.0 on a scale of 10 at the end of two years and have no backlog courses. If a student admitted in the undergraduate credit transfer program does not obtain the minimum CGPA, he/she will be required to repeat the courses where he/she obtained a grade lower than B-. Thapar Institute of Engineering & Technology will provide all the necessary mentoring and support to enable students to successfully complete the requirements for transfer to TCD. However, in case the student is unable to meet the minimum requirements, he/she will undertake the whole program at Thapar Institute of Engineering & Technology at an annual fee applicable at the end of 2nd year for the remaining two years.

Admission to Credit Transfer Program	At the end of 2 years at TIET	Options
JEE (MAINS) & 10+2 with 60% or more	Secures a CGPA < 7.0 and has backlogs	May repeat courses where grades are lower than B- and improve
		Has no chance of making the cut. Completes his requirements at TIET
	Secures a CGPA > 7.0 with no backlogs	Transfer to TCD for 3rd and 4th year

10+2 with min. 60% marks

JEE (Mains) with min. 20% marks

Admission to first year of credit transfer program at TIET in specialization based on merit

After 2 years

CGPA at the end of 2nd year > 7.00

No Backlog Courses

Transfer to 3rd year of UG program at TCD within area of specialization offered by TCD

II. Credit-Transfer Program between Thapar Institute of Engineering & Technology and University of New South Wales (UNSW)

UNSW Sydney (The University of New South Wales) is one of the world's leading research and teaching universities. Established in 1949, UNSW is home to more than 52,000 students from over 130 countries and an alumni community of 250,000 that spans the world. UNSW students are the number one choice among Australia's top employers and are ranked 22nd in the world for employer reputation. Main campus is located on a 38-hectare site at Kensington, seven kilometres from the centre of Sydney, voted 4th best student city in the world.

Key Highlights about UNSW:

- Ranked 31st in QS 2017 ranking (Engineering & Technology)

- Key Engg. Programs with high QS rankings- Civil Engg. (16th Rank), Chemical Engg. (37th Rank), Mechanical Engg. (46th Rank), Computer Engg. (42nd Rank)

- Core Research areas include – Water, Energy, Infrastructure and Heath

- Offer dual degree (Bachelor+ Bachelor & Bachelor+ Master), Bachelor of Engg. (Honors) and Masters programs in over 20 different disciplines

- 12 weeks intensive Industrial Training is an integral component of undergrad engineering program.

- Students are entitled for two years post study work visa in Australia.

The TIET - UNSW Program is expected to involve students studying a total of at least four semesters at TIET and a minimum of two academic years at UNSW, subject to them satisfying progression requirements at all stages. Students may commence their studies at UNSW in the first term, of year three of the Bachelor of Engineering (Hons) in Electrical Engineering program. On successful completion of both programs, the students will be awarded the degree of Bachelor of Engineering (Hons) in Electrical Engineering by UNSW.

Both UNSW and TIET will adhere to the curricula agreed by both parties.

ENGLISH LANGUAGE

The teaching at UNSW will be conducted in English. To gain admission to UNSW, students will be required to satisfy the English Language Proficiency Requirements as determined by UNSW for undergraduate admission and as amended from time to time. Listed below are the current minimum requirements for each accepted English Language Test. Students must satisfy ONE of the following conditions:

a) INTERNATIONAL ENGLISH LANGUAGE TESTING SERVICE (IELTS)

The Academic test modules must have been undertaken. An overall minimum score of 6.5 is required together with a minimum score of at least 6.0 in each of the sub-tests of listening, reading, speaking and writing.

b) TEST OF ENGLISH AS A FOREGIN LANGUAGE (TOEFL)

Internet based test (iBT) with an overall minimum score of 90 with a minimum in Writing of 23.

c) UNSW INSTITUTE OF LANGUAGES UNIVERSITY ENGLISH ENTRY COURSE (UEEC)

The UEEC is the UNSW Institute of language's English Entry Course - an intensive English Language program. The minimum acceptable score is completion of the UEEC with a grade of C+ (grade point 7.0) and with a minimum score of 20 in the writing component.

These English language Proficiency requirements are subject to review and change. Notice of 12 months will be given of any change to these requirements.

INTERNATIONAL STUDENTS -PRE-SESSION AND WELCOME PROGRAM AT UNSW

Students commencing at UNSW are strongly advised to attend the academic Orientation Program at UNSW, which is organized by Student Development International. This preparation program provides students with a wealth of useful information including:

- UNSW -its administration and services
- Getting to know Australia and its learning culture
- How to live within your budget
- Finding accommodation and other similar topics.

Students may, if they wish, attend at their own expense a pre-session English for Academic Purposes Program, run by the UNSW Institute of Languages. This five (5) week program usually operates one (1) month prior to session start. This must be arranged by the applicants directly with the UNSW Institute of Languages. UNSW firmly believes that students will benefit greatly from additional tuition in Academic English.

ADMISSION CRITERIA

TIET is responsible for admitting students to the first four semesters taught in the Bachelor of Electronics and Communication Engineering or Electronics & Computer Engineering at Thapar Institute. The TIET Selection Committee for entry into this program must warrant to the Faculty of Engineering at UNSW that they are satisfied that the student's academic qualifications are suitable and likely to lead to completion of the first four semesters of the program at TIET at a suitable level of entry for UNSW. UNSW is responsible for, and has absolute discretion over, admitting students to the **Bachelor of Engineering (Hons) in Electrical Engineering** in the Faculty of Engineering, and reserves the right to refuse to admit applicants when considered appropriate, (for example, for a lack of qualifications, skills or language proficiency) at UNSW's absolute discretion.

UNSW will be responsible for admitting students to the final two years to be taught at UNSW. To be eligible for entry to UNSW, TIET students must meet the requirements of the Bachelor of Engineering (Hons) in Electrical Engineering as varied from time to time. At the date of this agreement the requirements by the end of the period of study at TIET are:

- Successful completion of the first four semesters of approved study at TIET with an equivalent of or excess of a high-credit average (GPA of 7.00 or above on 10-point scale) in the courses they studied.

- Evidence that the applicant's English language ability meets the UNSW requirement for admission.

ADMISSION NUMBER OF STUDENTS

The number of students admitted to the TIET - UNSW Program every year will be up to 20 *students per year*.

ELIGIBILITY

The Program is not available to TIET students who are Australian citizens or who have Australian Permanent Residency status.

ADMISSION ARRANGEMENTS

It is the responsibility of the individual applicants to ensure that all documentation pertaining to entry to UNSW has been completed and submitted.

Step by step application procedures for international students can be found at the UNSW website at http://www.international.unsw.edu.au/apply.

Applications need to be prepared by early October of the year before for Semester 1 or February for Semester 2 (Semester 1 commences in March and Semester 2 in July). TIET students shall be advised by UNSW of the exact dates for meeting these application deadlines which may vary from time to time.

After receipt and assessment of the students' application forms, suitable candidates will be sent a standard a conditional offer by the UNSW Admissions Office. In the likely event that final grades are not known by TIET students as at the date of application, the TIET students with Conditional Offers will be required to produce final grades as soon as these are available and have them accepted by the Faculty of Engineering at UNSW, prior to departure to UNSW.

Those students wishing to study at UNSW should accept the subsequent Full Offer and make payments within the required period.

VISA ARRANGEMENTS

TIET students are responsible for their own visa applications.

If a student accepts the offer of a place at UNSW and pays the tuition fee deposit and mandatory health insurance fee, UNSW will issue an electronic Confirmation of Enrolment (e-COE) along with the relevant visa forms direct to TIET students.

TUITION FEES

Students enrolled in the TIET -UNSW Agreement will be required to pay the international student tuition fees for the Bachelor of Engineering (Hons) in Electrical Engineering at UNSW at the time of and during the enrolment of the student. Tuition fees for international students are set at the course (subject) level and are based on Units of Credit (UOC).

ACCOMMODATION

On campus accommodation at UNSW is very competitive, and therefore students should apply for University accommodation as soon as possible. UNSW cannot guarantee on-campus accommodation for students of the TIET – Thapar Program.

TRANSCRIPTS

At the end of the four semesters of study at TIET, the transcripts of prospective students in the TIET - UNSW Program will be sent to the UNSW Program Coordinator, and TIET must obtain any consents necessary to achieve this.

UNSW also requires transcripts showing the grades for each TIET student applying for entry to UNSW. TIET will, subject to obtaining the necessary consents, provide the UNSW Program coordinator with the required certified transcripts for the semester prior to the student's proposed entry to UNSW at the time of their application.

PRIVACY AND DATA PROTECTION

To enable UNSW to comply with relevant Australian legal requirements, UNSW has an established policy of not discussing confidential information without the express permission of staff and students who have provided that information to UNSW. This means that all participating students will be asked to sign a Letter of Authorisation to Disclose Personal Information prior to their departure. Upon receipt, UNSW will send these forms to the Faculty of Engineering thus permitting UNSW to release transcripts to TIET on a semester or annual basis. Should any TIET - UNSW Program students encounter difficulties during their studies at UNSW, subject to the appropriate consent being obtained, TIET will be informed and appropriate counselling will be offered.

AWARD OF DEGREES

As noted in this Articulation Agreement, students who successfully complete the academic program will receive a **Bachelor of Engineering (Hons) in Electrical Engineering** degree from UNSW. The testamur presented at the Degree Ceremony at UNSW will be the usual UNSW testamur.

For students not satisfying either the academic or English language requirements for transfer to UNSW, UNSW will not bear any responsibility for the further study outcomes of these students. TIET undertakes to ensure that students will be made fully aware of the policies and procedures governing the awarding of UNSW and TIET degrees before they enroll in the program.

III.   Credit-Transfer Program between Thapar Institute of Engineering & Technology and The University of Queensland (UQ)

BACKGROUND

- There is an agreement with University of Queensland under the credit transfer program offered in 2+2 mode.

- By awarding credit, a student reduces the amount of learning required to achieve a qualification. Credit may be awarded through an arrangement or process of credit transfer, articulation, recognition of prior learning or advanced standing.

RECOGNITION OF PRIOR LEARNING (RPL)

- The admission or transfer of students to degree programs is, at all times, subject to the general provisions of entry to each party, including language proficiency.

- UQ nominates the Executive Dean of the relevant Faculty as its authorised officer. TIET nominates the Deputy Director as its authorised officer.

TUITION AND OTHER FEES

- Students shall pay tuition and other fees directly to UQ for study undertaken at UQ.

- Tuition and other fees may vary from year to year and UQ shall provide reasonable notice of any change to the other party (of not less than [60 days]).

- In the case of withdrawal from studies, UQ shall apply its refunds policy and where applicable remit such refunds to the student.

- Students shall also be responsible for all field trip costs, other non-compulsory student service fees and personal costs including: -

    - Transport (including flights) to and from the Host institution;
    - Textbooks, clothing, and personal expenses;
    - Accommodation costs;
    - Medical insurance required by the Host or Host country;
    - Passport and visa costs.

VISA AND HEALTH

- TIET will provide pre-departure orientation for its students which may include any recommendations concerning additional medical or travel insurance.

- Students are responsible for completing all necessary administrative procedures in order to obtain a visa and the required documents for studying abroad.

- All students are required to carry appropriate overseas students health insurance (OSHC) and it is a condition of obtaining an Australian student visa.

ENGLISH REQUIREMENTS

The current English entry requirement to Engineering programs at UQ is as follows:
- Academic Module IELTS score of 6.5 overall with no individual sub-band score less than 6.0; OR
- Internet based TOEFL minimum total score of 87 with at least 21 in writing and at least 19 in speaking, listening and reading
- Please refer to ELP PPL

    https://ppl.app.uq.edu.au/content/3.40.14-english-language-proficiency-admission#Procedures

CREDIT TRANSFER

Upon successful completion of the first 2 years of the Bachelor of Engineering at Thapar University in the following majors:

- Civil Engineering or;
- Computer Engineering or;
- Electrical Engineering or;
- Electronics (Instrumentation and Control) Engineering or;
- Electronics and Communication Engineering or;
- Electronics and Computer Engineering;
- Mechanical Engineering or;
- Mechanical and Production Engineering

Student can articulate to the Bachelor of Engineering program at UQ as follows:

Thapar	UQ Program	Credit Awarded	Remaining at UQ
Bachelor of Engineering - Civil Engineering	Bachelor of Engineering (Honours) Civil	#32 (2 years)	2.5 years
Bachelor of Engineering - Computer Engineering	Bachelor of Engineering (Honours) Software	#32 (2 years)	2 years
Bachelor of Engineering - Electrical Engineering	Bachelor of Engineering (Honours) Electrical	#32 (2 years)	2 years
Bachelor of Engineering - Electronics (Instrumentation and Control) Engineering	Bachelor of Engineering (Honours) Electrical	#32 (2 years)	2 years
Bachelor of Engineering - Electronics and Communication Engineering	Bachelor of Engineering (Honours) Electrical	#32 (2 years)	2 years
Bachelor of Engineering - Electronics and Computer Engineering	Bachelor of Engineering (Honours) Electrical	#32 (2 years)	2 years
Bachelor of Engineering – Mechanical Engineering	Bachelor of Engineering (Honours) Mechanical	#32 (2 years)	2 years
Bachelor of Engineering – Mechanical and Production Engineering	Bachelor of Engineering (Honours) Mechanical	#32 (2 years)	2 years

These pathways are based on the current curriculum of both universities and changes by either party may warrant a review and re-assessment of credit. It is the responsibility of each party to communicate any such changes.

Students must achieve the required Grade Point Average for admission to the Bachelor of Engineering (Honours).

The compulsory Physics or Chemistry requirements have been assessed as being undertaken within the first 2 years of the program.

Further program information can be found at:

https://future-students.uq.edu.au/study/program/Bachelor-of-Engineering-Honours-2342

Students can commence at UQ in Semester 1 (February or March) or 2 (July).

COSTS

The students of the TIET will have to assume the tuition fees related to the Bachelor of Engineering, as well as all the costs related to the living expenses in Queensland, Australia, UQ Student Services and Amenities Fee and international travel expenses, such as medical insurance to cover the complete studying period at UQ. The details of the aforementioned fees are available in UQ website (http://www.uq.edu.au/international-students/)

1.2 **IMPORTANT DATES**

Last date to apply for BE/BTech programmes & their eligibility:

Applications received till	Eligible for Counselling on	Application fee (Rs)	Mode (Mode-1 for 70% of seats on JEE Main 2019 merit & Mode-2 for 30% of seats on 10+2 PCM merit)
April 29, 2019	All rounds of online counselling as well as in-person counselling	1500	Mode-1 and Mode-2 (only in-person round of counselling)
June 15, 2019	**In-person** rounds of counselling subsequent to June 15,2019	2000	Mode-1 and Mode-2
July 07, 2019	**In-person** rounds of counselling subsequent to July 07, 2019	2500	Mode-1 and Mode-2
July 31, 2019	**In-person** rounds of counselling subsequent to July 31, 2019	3000	Mode-1 and Mode-2

Last date for FN/NRI candidates to apply for all programs: **July 12, 2019**

BE/BTECH ONLINE COUNSELLING SCHEDULE:
Online counselling for BE/BTech programme will be held for Mode – 1 only (for 70% of seats on the basis of JEE (Main) Merit – 2019) as per the following schedule.
For Mode -2 (for 30% of seats on the basis of 10+2 PCM merit) admission will be done by in-person counselling only.

Activity	Date
Display of first list of selected candidates	May 15, 2019
Deposit of fee by the candidates of first list & entry in the **'Fee-Confirmation-Slip'**	May 16- May 23, 2019
Display of second list of selected candidates	May 27, 2019
Deposit of fee by the candidates of second list & entry in the **'Fee-Confirmation-Slip'**	May 28-June 05, 2019
Display of third list of selected candidates	June 11, 2019
Deposit of fee by the candidates of third list & entry in the **'Fee-Confirmation-Slip'**	June 12- June 18, 2019

BE/BTECH IN-PERSON COUNSELLING SCHEDULE:

On the basis of JEE Main-2019 merit/PCM merit

I. **1st round of counselling for Mode-2 for 30% of seats** : June 24-25, 2019
   on the basis of 10+2 PCM merit

II. **Board Toppers of 2019, Sports Category, J&K,** : June 25, 2019
    NE States Category

III. **International Engineering Program (IEP) at TCD Ireland and UNSW Australia**

   1st Round of Counselling including deposit of fee   :   May 20, 2019
   2nd Round of Counselling including deposit of fee   :   June 26, 2019
   3rd Round of Counselling including deposit of fee   :   July 10, 2019
   Last round of counselling for vacant seats if any   :   August 08, 2019

IV. **1st round of counselling for Mode-1 for 70% of seats on the basis of JEE Main 2019 merit along with Document verification and hostel allotment of candidates admitted in B.E./B.Tech through online counselling:**

   July 10, 2019
   Reserved Categories   :   09:00 AM
   General Category   :   03:00 PM

   July 11, 2019
   General Category (contd...)   :   09:00 AM

   July 12, 2019
   General Category (contd...)   :   09:00 AM
   (Detailed schedule will be displayed on website)

V. **2nd round of counselling for Mode-2 for 30% of seats** : July 13, 2019
   on the basis of 10+2 PCM merit

VI. **3rd round of counselling for Mode-2 for 30% of seats** : July 31, 2019
    on the basis of 10+2 PCM merit

VII. **4th round of counselling for Mode-2 for 30% of seats** : August 07, 2019
     on the basis of 10+2 PCM merit

VIII. **2nd round of counselling for Mode-1 for 70% of seats on the basis of JEE Main 2019 merit**
      August 08, 2019
      Reserved Categories   :   09:00 AM
      General Category   :   01:00 PM

      August 09, 2019
      General Category (contd...)   :   09:00 AM
      (Detailed schedule will be displayed on website)

IX. **Final Round of Counselling*** : August 14, 2019
    including BTech - Biotechnology
    (Mode-1 and Mode-2 in parallel)

On the basis of NEET-2019 merit/PCB merit

X. **1st round of counselling for Mode-1 and Mode-2 of**   :   July 25, 2019
    on the basis of NEET-2019 (for 70% of available seats)
    and 10+2 PCB merit (for 30% of available seats)
    (for the vacant seats of BTech – Biotechnology/
    BTech – Biomedical Engineering)

XI. **2nd round of counselling for Mode-1 and Mode-2 of**   :   August 02, 2019
    on the basis of NEET-2019 (for 70% of available seats)
    and 10+2 PCB merit (for 30% of available seats)
    (for the vacant seats of BTech – Biotechnology/
    BTech – Biomedical Engineering)

    Venue for counselling/document checking   :   Auditorium, TIET, Patiala

    Orientation program for B.E./B.Tech (1st Year)   :   July 15-27, 2019

    Commencement of Classes for B.E./B.Tech (1st Year)   :   July 29, 2019

During 'In-person counselling', all the candidates who have applied as mentioned in **Sr. No. 1.3** (**Last date to apply for BE programmes & their eligibility)** above and qualified as per eligibility shall be considered for admissions against seats for Mode-1 and Mode-2.

*In the final round of counselling, once the maximum quota of seats through first mode(Mode-1/Mode-2) for a particular branch exhausts then the counselling for that branch through second mode (Mode-2/Mode-1) will continue till the last seat under the second mode gets filled up and in case, seat(s) still remain vacant in that branch after giving opportunity to all those who are eligible under second mode, such vacant seats shall be filled through first mode. Same process will be repeated for all the branches of BE.

1.3   **DOCUMENTS REQUIRED AT THE TIME OF IN-PERSON COUNSELLING:**

Candidates must bring with them following original certificates and **a set of attested copies of all the certificates** on the dates specified hereunder for various programmes**.**

- Copy of filled downloaded Application form
- 10+2 /diploma/graduation/post-graduation DMC
- Matriculation/Higher Secondary Certificate showing Date of Birth
- Result Card of Entrance Exam
- Admit Card of Entrance Exam
- Character Certificate
- Medical Fitness Certificate as per ANNEXURE-III
- Reserved Category Certificate on the prescribed proforma (as per ANNEXURE-I or ANNEXURE-II as applicable) and signed from the competent authority (if applicable)
- Affidavit required in case of discontinuity of studies as per ANNEXURE-IX

- Affidavit of Anti-Ragging by student (ANNEXURE-XII) and parents (ANNEXURE-XI)

- Affidavit of Anti-Alcohol/Drug Abuse by student (ANNEXURE-XIV) and parents (ANNEXURE-XIII)

- Migration Certificate

- Income Certificate as per ANNEXURE-VII

- Check list Proforma

- Affidavit as per ANNEXURE-XV by students having Punjab Residency certificate and have done their 10+2 from outside Punjab

IMPORTANT NOTE: Candidates are advised to browse www.thapar.edu regularly for information/instructions regarding admissions. No separate letters shall be sent.

1.4   IMPORTANT NOTE

1   **For BE/BTech admissions, if any of the seats in Mode-1 remain unfilled, such vacant seats shall be filled by counselling of Mode-2 in the final round of in-person counselling and vice-versa.**

2   Application fee shall be refunded to the candidates whom TIET will declare ineligible for online rounds of counselling.

3   **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**.

4   **Candidates seeking admission to BE/BTech programs** shall be eligible for both the modes (Mode -1 for 70% of seats on the basis of merit in JEE Main 2019 / NEET – 2019 (for BTech Biotechnolgy and BTech Biomedical Engineering) and Mode – 2 for 30% of seats on the basis of merit in 10+2 PCM) and need not to submit two separate application forms. Application form submitted by the candidate for admission in BE/BTech programme shall be considered for both the modes.

For candidates seeking admission under Sports category in the 1st year of B.E./B.Tech.: Candidates must have done 10+2 from schools located in Punjab and have sports gradation certificate (Grade A/B/C) issued by Director Sports Punjab. Such candidates must send the photocopy of the gradation certificate along with printout of application form. The other eligibility conditions will remain same as applicable to General category students.

For candidates seeking admission under Backward Class (BC) category in the 1st year of B.E./B.Tech.: Candidates must have valid BC certificate issued by competent authority from the state of Punjab. The other eligibility conditions will remain same as applicable to General category students.

5   **A candidate cannot claim admission merely by filling the application form and paying the application fee. If he/she fulfils the eligibility criteria as per the prospectus, only then he/she shall be considered for admission during counselling. So, candidates are advised to read eligibility and other conditions before filling the form.**

6   **For BTech – Biotechnology and BTech – Biomedical Engineering, seat shall be offered to candidates during online counselling on the basis of JEE Main – 2019 merit. Seats, remaining vacant post that, shall be offered to candidates during in-person counselling.**

7   **For admission to B.E./BTech programs for Mode – 1**
     Candidates appearing in the qualifying examination (10+2) are also eligible to apply. Such candidates will be placed provisionally in the merit list. They will not be considered for admission if they fail to submit proof of passing the qualifying examination at the time of document checking.

8   **For admission to B.E./B.Tech programs for Mode – 2**
     There will be only in-person rounds of counselling for Mode -2. Candidates appearing in the qualifying examination (10+2) are also eligible to apply. However only the candidates who have updated their 10+2 score in the application form as per the schedule mentioned at **Sr. No. 1.3** (**Last date to apply for BE/BTech programmes & their eligibility)** shall be considered for admission.

9   TIET Rank list for admission to B.E./B.Tech at TIET for Mode – 1 for 70% of seats shall be prepared by TIET on the basis of JEE (Main)-2019 / NEET-2019 (for BTech – Biotechnology/B.Tech - Biomedical Engineering) rank. For Mode – 2 for 30% of seats, merit list shall be prepared on the basis of 10+2 PCM / PCB (for BTech – Biotechnology/B.Tech - Biomedical Engineering) score.

10   If any of the seats in the reserve categories remain unfilled, such vacant seats shall be filled by General category candidates on the basis of merit in the final round of in-person counselling. In case a SC seat remains vacant, it will be first offered to ST candidate or a vice versa before converting into General Category.

11   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:

     For B.E./B.Tech Mode – 2 on the basis of 10+2 PCM/PCB (for BTech – Biotechnology/B.Tech - Biomedical Engineering) score:
     In case of a tie, i.e. when two or more candidates obtain equal %age marks in 10+2 PCM/PCB (for BTech – Biotechnology), inter-se merit of such candidates shall be decided in the following order:

     - Resolution by marks obtained in JEE Main – 2019 / NEET – 2019 (for BTech – Biotechnology/B.Tech - Biomedical Engineering). Candidate obtaining higher marks will be given better rank.
     - Resolution by marks obtained in Physics in 10+2. Candidate obtaining higher marks will be given better rank.
     - Resolution by date of birth. Candidates, higher in age shall get preference on candidates with lower age.
     - If the resolution is not possible after this criterion, candidates will be given the same rank.

1.5   INSTRUCTIONS FOR ONLINE COUNSELLING FOR B.E./B.TECH (ONLY FOR MODE-1 FOR 70% OF SEATS ON THE BASIS OF JEE MAIN 2019 MERIT)

1   The first list of selected candidates as per merit in JEE Mains - 2019 for various categories shall be displayed on the Institute website (www.thapar.edu). These selected candidates **shall be required to deposit the total fee (Please refer to point 14 of 'General Instructions' for Mode of Payment)** by the prescribed last date of the respective programmes failing which his/her candidature shall stand cancelled and shall not be considered for the

subsequent lists of online counselling under any circumstances. Such candidates shall have no right on any count whatsoever.

2. **For admission to B.E./B.Tech programs for Mode – 2 for 30% of seats on the basis 10+2 PCM/PCB (for BTech – Biotechnology//B.Tech - Biomedical Engineering) merit**, there will be only in-person rounds of counselling for Mode -2. Only the candidates who have updated their 10+2 score in the application form as per the schedule mentioned at **Sr. No. 1.3** (**Last date to apply for BE/BTech programmes & their eligibility).**

3. Admission to **International Engineering Programs (IEP)** under credit transfer between TIET & TCD shall not be done through online counselling. These seats shall be filled separately on the basis of prescribed merit during "In-person" counselling to be held as per the schedule mentioned above.

4. Once admission offered, if a candidate does not deposit the full fee by the prescribed date, their candidature will stand cancelled and they will not be considered for admission in the subsequent list(s).

5. **On-Roll-Candidates (ORC)** are those who have deposited the full fee and have not withdrawn their seats. **Candidates-Not-On-Roll (CNOR)** are those who have withdrawn their seats after depositing full fee. While allotting branch/discipline in the 2nd/3rd/4th lists, only ORC and candidates not offered seats shall be considered in all the subsequent lists on the basis of TIET rank. CNOR or those who once offered admission have not deposited the fee will not be considered in the subsequent rounds of online counselling. The allotment of discipline will be made on the basis of the seats available in a particular discipline and category, the order of preference for various disciplines given by the candidate, and his/her merit according to TIET rank on the basis of JEE Mains - 2019.

6. **FREEZING OF BRANCH:** ORC candidates, if satisfied with the discipline allotted, can opt for freezing of discipline. Their candidature shall not be considered in the subsequent lists for upgradation.

7. The admission given shall be **Provisional only**. The admission will be made regular, subject to the fulfilment of all the eligibility conditions mentioned in the Prospectus. In case a selected candidate fails to deposit the fee as per his allotted time period or fails to satisfy the eligibility criteria on the day of document checking, his/her admission shall stand cancelled.

8. In case the seats remain vacant at the expiry of the prescribed last date for deposit of fee by candidates of the 4th list, the Institute may publish further list(s) for admission. In eventuality of seats remaining vacant even after the publication of these lists on web, the Institute will conduct 'In-person' counselling to close the admission process.

9. The procedure for deposit of fee will be available on the Institute website. Selected candidates shall deposit room rent & other dues for hostel accommodation at the time of document checking only during 'In-person' counselling. **The allotment of Hostel Rooms will also be done on the day of document checking during 'In-person' counselling. Allotment of room in hostel shall be subject to availability and on merit basis.**

   IMPORTANT NOTE: Candidates depositing, total fee must enter complete details in **'Fee-Confirmation-Slip' (FCS)** available at the Institute website on or before the respective prescribed last date. **In case, a candidate fails to enter the details, his/her candidature will be cancelled.**

1.6   INSTRUCTIONS FOR B.E./B.TECH. 'IN-PERSON' COUNSELLING

1   Personal presence during counselling/admission is essential for all eligible candidates seeking admission. However, in case of extra ordinary circumstances admission formalities can be done by the family members on the behalf of the candidate with proper authorisation documents signed by the candidate.

2   A candidate desirous of seeking admission against the available seats will bring the original certificates on the scheduled date of counselling/admission.

3   The allotment of discipline at the time of counselling/admission will be made on the basis of the seats available in a particular discipline and category at that instant of time, the order of preference for various disciplines given by the candidate, and his/her merit according to TIET rank. *The candidates appearing for the counselling shall have the option of either retaining the preference order given during the first counselling or can submit fresh preference order in the subsequent counselling(s).*

4   **There will only be in-person rounds of counselling for Mode -2. Only the candidates who have updated their 10+2 score in the application form as per the schedule mentioned at *Sr. No. 1.3 (Last date to apply for BE/BTech programmes & their eligibility)*, shall be considered for admission.**

5   Candidate who either does not seek admission on a particular date as per Online counselling/Admission Schedule or fails to attend the counselling or has been admitted in the previous counselling will also be eligible for admission during any round of "In person Counselling" of admission as per Counselling/Admission Schedule. However, the allotment of discipline to such a candidate will be made subject to the availability of seat(s) in a particular discipline at that instant of time, the order of preference for various disciplines given by the candidate and his/her merit according to TIET rank. The previously admitted students while appearing in subsequent rounds of counselling(s) for branch upgradation shall not be required to deposit any extra fee.

6   A candidate who reports late for admission during counselling will not be eligible for the discipline according to his/her original merit position but will be offered a seat in the discipline where the seats are available at that instant of time/day.

7   If a candidate is offered admission and he/she does not deposit the prescribed fees and original certificate immediately after selection, the offer so made shall be treated as cancelled and the seat will be offered to the candidate next in order of merit. No correspondence or appeal in this regard will be entertained.

8   In case of any seat(s) falling vacant during the first or subsequent counselling, the seat(s) so vacated will be filled up during the second or subsequent counselling till the final counselling only.

9   No seat shall be filled after the final counselling is over.

1.7   WITHDRAWAL OF SEAT / REFUND OF FEE:

Candidate wishing to withdraw the seat, must submit the application to **IN-CHARGE, ADMISSION CELL, Thapar Institute of Engineering & Technology**. The fee will be refunded after adjusting all the outstanding dues (if any). The candidates are advised to mention their Bank Account Number and IFSC code of the bank for the prompt refund.

Date of Receipt of Application	Amount to be refunded
15 days or more before the formally – notified last date of admission i.e. till 31st July, 2019	After deducting Rs. 5000/- out of the total fee deposited
Less than 15 days before the formally – notified last date of admission i.e. 1st August to 15th August, 2019	90% of the total fee deposited
15 days or less after the formally – notified last date of admission i.e. till 30th August, 2019	80% of the total fee deposited
30 days or less after the formally – notified last date of admission i.e. till 15th September, 2019	50% of the total fee deposited
More than 30 days after the formally – notified last date of admission i.e. after 15th September, 2019	Institute Security + Alumni Fee

1.8   MODES OF PAYMENT OF APPLICATION FEE:

APPLICATION FEE: It can be paid through online mode or Demand Draft (DD).

1   In case of online payment (mode), the payment of Application fee can be done while filling the application form. This payment can be done through secured online payment gateway using Credit Card/Debit Card/Net Banking.

2   In the form of Demand Draft (DD), the DD of requisite amount should be made in favour of **Thapar Institute of Engineering & Technology and payable at Patiala**. The DD must reach the Institute on or before the prescribed date otherwise the candidature shall be cancelled.

ADMISSION FEE + SEMESTER FEE: after seat allotment

1   In case of online payment (mode), the candidate can use https://eazypay.icicibank.com/homePage link. This payment can be done through secured online payment gateway using Credit Card/Debit Card/Net Banking. The payment should be made by the prescribed last date otherwise the candidature shall be cancelled.

2   In the form of Demand Draft (DD), the DD of requisite amount should be made in favour of Thapar Institute of Engineering & Technology and payable at Patiala. The DD must reach the Institute on or before the prescribed date otherwise the candidature shall be cancelled.

3   The candidates can also make the fee payment using Challan Form of Kotak Mahindra Bank (available at www.thapar.edu) by the prescribed last date otherwise the candidature shall be cancelled.

4   After making the fee payment, the candidate must enter complete details in **'Fee-Confirmation-Slip' (FCS)** available at the Institute website on or before the respective prescribed last date. **In case, a candidate fails to enter the details, his/her candidature will be cancelled.**

1.9   PROCESS FOR BRANCH UPGRADATION OF UG STUDENTS AFTER COMPLETION OF 1ST YEAR (FIRST TWO SEMESTERS)

Students shall be eligible to apply for change of Branch/Programme after completing the first two semesters. The following rules/guidelines will be used for considering applications for change from branch A to branch B:

1   **The eligibility criteria** to apply for change of Branch/Programme is:

    a)   The candidate should have completed all the course credits prescribed in the first two semesters, and

    b)   should have no backlog at the end of first year of 4-year BE/5year BE-MBA Degree programmes, and

    c)   must have secured a Cumulative Grade Point Average (CGPA)
- ≥ 7.0 for SC, ST and PH category students
- ≥ 8.5 for General category and other category students

<div align="center">OR</div>

    a)   The candidate was eligible for admission to branch B at the time of entry to TIET Patiala, but did not take admission in that branch.

    b)   should have no backlog at the end of first year of 4-year BE/5year BE-MBA Degree programmes, and

2   **Methodology:** A student will be permitted to change from branch A to branch B, strictly on the basis of merit of CGPA obtained during first year of study here, if

    a)   strength of students in branch B does not exceed the sanctioned strength by more than 5%; and

    b)   strength of students in branch A does not fall below 90% of its sanctioned strength (equivalently at most 10% students of sanctioned strength of a branch are permitted to leave it). The request of the student will be reconsidered again, strictly on the basis of merit of CGPA obtained during first year of study here, if she/he does not violate rule (a) and (b) due to another student getting transferred to branch A.

3   Applications from TIET students who satisfy the eligibility criteria are to be considered in the order as given below.

    a)   All students who satisfy the norms with CGPA more than 8.5 (7.0 for SC/ST/PH) are allocated first.

    b)   Students who were eligible for admission to branch B at the time of entry to TIET Patiala are allocated subsequently.

4   If a student S1 is not permitted to change from branch A to branch B, any other student S2 from any branch with CGPA less than S1 will also not be permitted to change to branch B. Even if, a vacancy gets created at the later stage during counselling.

5   (a)   The rules are also applicable for all categories with the concession in eligibility criteria mentioned in rule 1 for SC, ST and PH students.

    (b)   Every student has a category attribute, which is one of GE, BC, SC, ST or PH.

    (c)   A vacant seat that is available for allocation is defined to be one of five different types. The types are i) open GE, ii) reserved for BC, iii) reserved for SC, iv) reserved for ST and v) reserved for PH.

    (d)   The additional seats in a branch, limited to maximum of 5% of its sanctioned strength, that are made available to students for allocation at the time of change

of branch are defined at the start of the allocation process to be of type "open" in nature (do not belong to any category). There may also be a few vacant seats of type "reserved for category X" at this point in time.

(e) A vacant open seat in Branch B, when allocated to a student in branch A belonging to category X, creates a vacant seat in branch A of type "reserved for category X".

(f) A vacant seat of type "reserved seat of category X" is available for reallocation only to students of category X.

6 All branch transfers can be effected only once at the beginning of the second academic year. No application for change of branch during the subsequent academic years will be entertained.

7 Students admitted in International Engineering program shall not be allowed to appear in Branch Upgradation process at the end of First Year.