

# 1 ADMISSION TO THE FIRST YEAR OF BE/BTECH PROGRAM

## A) BE programs other than BTech (Biotechnology)

### 1.1 ELIGIBILITY:

A candidate shall be eligible for admission in the UG programs subject to the following conditions:

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, <b>Physics, Mathematics</b> and any one subject out of <b>Chemistry, Biology, Biotechnology and Technical Vocational subject</b> 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 secured at least 20% aggregate marks (15% for SC/ST candidates) in JEE (Main)-2018. This clause shall not be applicable for the PGN, Gol, JKM, JK students & N-E students as mentioned at clause 1.3).  |

Or

- |      |   |
|------|---|
| (i)  | has passed 10+2 or equivalent examination with at least 80% marks (75% for SC/ST candidates) in aggregate of three subjects, namely, <b>Physics, Mathematics</b> and any one subject out of <b>Chemistry, Biology, Biotechnology and Technical Vocational subject</b> . |
| (ii) | has secured at least 15% aggregate marks (10% for SC/ST candidates) in JEE (Main)-2018. This clause shall not be applicable for the PGN, Gol, JKM, JK students & N-E students as mentioned at clause 1.3).  |

- (iii) possesses a good moral character.
- (iv) is a citizen of India.
- (v) is born on or after October 1, 1993 (5-years relaxation in age for SC/ST/PH candidates).

The admission shall be made on the basis of merit of score in JEE (Main)-2018.

**The first five toppers of the recognized Boards of India in the examinations held in 2018, shall be given direct admission to the first year of UG program, with the condition that they must have appeared in JEE (Main)-2018 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.**

### 1.2 NUMBER OF SEATS

TIET offers UG programs in the following disciplines. Total number of seats are 2025 except BTech (Bio-Technology) and their discipline-wise distribution is as under:

BE Program	Number of seats (4-years duration)	Dual-Degree BE-MBA (5-years duration)	TCD (2-yrs at TIET + 2-yrs at TCD)
Chemical Engineering	60	–	–
Civil Engineering	150	–	15
Computer Engineering*	670	30	25

Computer Science & Engineering#	120	–	–
Electrical Engineering	180	–	–
Electronics & Communication Engineering	165	30	15
Electronics and Computer Engineering	180	–	–
Electronics (Instrumentation & Control) Engineering	100	–	–
Mechanical Engineering	180	30	15
Mechanical Engineering (Production)	30	–	–
Mechatronics	30	–	–
<b>TOTAL</b>	<b>1865</b>	<b>90</b>	<b>70</b>

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

- High Performance Computing
- Computer Animation and Gaming
- Machine Learning and Data Analytics
- Information and Cyber Security
- Software Engineering
- Mathematics and Computing

Such students will be given additional certificate of specialisation done.

# BE- Computer Science & Engineering will run at Dera Bassi Campus.

**A Maximum of 70 students can take admission under ‘Contemporarisation 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.

The Dual-Degree BE-MBA program will be of 5-years duration. The fee will be charged as prescribed for BE and MBA programs. On the successful completion of Dual-Degree program at the end of 5<sup>th</sup> year, these students will be given two degrees. There shall be no exit option at the end of 4<sup>th</sup> 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).

**1.2.1 Punjab State Seats:** 50% of the seats, i.e., 932 are reserved for candidates who have passed qualifying examination from School/College/Institute located in the state of Punjab.

The children of employees of Punjab Govt. posted/deputed outside Punjab will be eligible for admission against these seats irrespective of the location of School/College from where they pass their qualifying examination provided further that these candidates should have passed their qualifying examination (10+2) or its equivalent during such posting/deputation of the parent(s) outside Punjab. **Candidates seeking admission under this category are required to submit a certificate as per format (Annexure-VIII) along with the application form.**

### 1.2.2 Seats for Sports Persons from Punjab:

2% seats (19) 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 - MemberThe 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 duly constituted by the Director of the Institute.

**1.2.3 Outside Punjab State Seats:** 50% of the seats, i.e., 933 are reserved for candidates who have passed qualifying examination from School/College/Institute located outside the state of Punjab.

### 1.3 OVER AND ABOVE SEATS:

- (a) **Punjab Government Nominee (PGN) Seats:** 2% seats (37) 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.

- (b) **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.

**Eleven (11) seats (One in each discipline)** are reserved under this scheme of reservation of seats of MHRD, GOI.

- (c) **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.

- (d) **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 1.1 above. The admission shall be made by the admission committee of the Institute.

**Note: Candidates nominated under the categories at S. No. 1.3(a), 1.3(b), 1.3(c) and 1.3(d) 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 Table – II 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.**

- 1.4 CHILDREN OF THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY EMPLOYEES:** 1% (19) 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 1.1.

1.5 SEATS UNDER DIFFERENT CATEGORIES: Table-II contains the number of seats under various categories in different disciplines of the UG programs.

Table – II: SEATS UNDER DIFFERENT CATEGORIES FOR EACH DISCIPLINE

		%age		CH	CE	CT	CSE ##	EE	EC	ECO	EI	ME	MEP	MT	Total
<b>1</b>	<b>Reserved Seats</b>														
(a)	Scheduled Castes/Tribes														
	i) From Punjab	25%		8	19	84	15	22	21	22	12	22	4	4	<b>233</b>
	ii) Outside Punjab	SC	17.5%	5	13	59	10	16	14	16	8	16	3	3	<b>163</b>
		ST	7.5%	2	6	25	4	7	6	7	4	7	1	1	<b>70</b>
(b)	Backward Classes from Punjab	5%		2	4	18	3	4	4	4	2	4	1	1	<b>47</b>
(c)	Sports Persons from Punjab	2%		1	1	6	1	2	1	2	1	2	1	1	<b>19</b>
(d)	Physically handicapped persons			-	-	-	-	-	-	-	-	-	-	-	-
	i) From Punjab	3%		1	2	9	2	3	2	3	1	3	1	1	<b>28</b>
	ii) Outside Punjab	3%		1	2	9	2	3	2	3	1	3	1	1	<b>28</b>
<b>2</b>	<b>Open Merit Seats</b>			-	-	-	-	-	-	-	-	-	-	-	-
(a)	From Punjab			18	49	218	39	59	54	59	34	59	8	8	<b>605</b>
(b)	Outside Punjab			22	54	242	44	64	61	64	37	64	10	10	<b>672</b>
	<b>Total</b>			<b>60</b>	<b>150</b>	<b>670</b>	<b>120</b>	<b>180</b>	<b>165</b>	<b>180</b>	<b>100</b>	<b>180</b>	<b>30</b>	<b>30</b>	<b>1865</b>

		%age	CH	CE	CT	CSE	EE	EC	ECO	EI	ME	MEP	MT	Total
<b>3</b>	Nomination Seats													
	i) Punjab Govt.*	2%	1	3	12	2	4	3	4	2	4	1	1	37
	ii) Govt. of India*		1	1	1	1	1	1	1	1	1	1	1	11
	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	11
	vi) N-E Students*		1	1	1	1	1	1	1	1	1	1	1	11
<b>4</b>	FN/NRI Seats* #	15%	9	22	100	18	27	25	27	15	27	5	5	280
<b>5</b>	Children of TIET Employees*	1%	1	1	6	1	2	1	2	1	2	1	1	19

**Abbreviations used in Table-II:**

**CH:** Chemical Engineering, **CE:** Civil Engineering, **CT:** Computer Engineering, **CSE:** Computer Science & Engineering, **EC:** Electronics and Communication Engg, **EE:** Electrical Engg, **EI:** Electronics (Inst & Ctrl) Engg, **ME:** Mechanical Engg, **MT:** Mechatronics, **MEP:** Mechanical (Production), **ECO:** Electronics and Computer Engg,

\* THESE ARE OVER AND ABOVE SEATS.

# Please refer to Section 10.0 for eligibility and other conditions.

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

## At Derabassi Campus

## B) B.Tech. (Biotechnology)

### ELIGIBILITY:

A candidate shall be eligible for admission in the B.Tech. (Biotechnology) subject to the following conditions:

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 secured at least 20% aggregate marks (15% for SC/ST candidates) in NEET-2018.

Or

- (i) has passed 10+2 or equivalent examination with at least 80% marks (75% for SC/ST candidates) in aggregate of three subjects, namely, **Physics, Chemistry, and Biology.**
- (ii) has secured at least 15% aggregate marks (10% for SC/ST candidates) in NEET-2018.

- (iii) possesses a good moral character.
- (iv) is a citizen of India.
- (v) is born on or after October 1, 1993 (5-years relaxation in age for SC/ST/PH candidates).

The admission shall be made on the basis of merit of score in NEET-2018.

**Total seats available: 50 (Gen- 35, SC/ST-13, PH-2)**

Any seat remaining vacant in reserve category shall be transferred to General category.

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

BE-MBA Program	Number of seats
Computer Engineering	30
Electronics & Communication Engineering	30
Mechanical Engineering	30
Total	90

The Dual-Degree BE-MBA program will be of 5-years duration. The fee will be charged as prescribed for BE and MBA programs. On the successful completion of Dual-Degree program at the end of 5<sup>th</sup> year, these students will be given two degrees. There shall be no exit option at the end of 4<sup>th</sup> 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 (23)** shall be reserved for SC/ST, **3% (3)** for physically handicapped students and rest of the seats (**64**) are available for **General Category**.

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

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

In line with its mission to provide world class educational experience by incorporating global best practices in its format, Thapar Institute of Engineering & Technology has embarked on a Contemporisation Program under academic mentorship of Trinity College, Dublin, University of Dublin, Ireland. Under this program Thapar Institute of Engineering & Technology announces a credit transfer International Engineering program with Trinity College Dublin, University of Dublin (TCD). This program focuses on delivering a research inspired, outcome based educational experience to the students in partnership with TCD, an international university of repute.

The academic agreement between Thapar Institute of Engineering & Technology and Trinity College Dublin will give students admitted to undergraduate engineering programs at Thapar Institute of Engineering & Technology (TIET) the opportunity to study at Ireland's leading university, Trinity College Dublin. Eligible students will pursue the first two years of their course at Thapar Institute of Engineering & Technology before transferring to Ireland in years 3 and 4 of the degree program, subject to meeting the required academic requirements. On completion of the degree, qualified students can apply to pursue a Masters qualification at Trinity College Dublin by completing one additional year at Trinity.

This unique program is designed to give students international experience, prepare them for professional careers, and expose them to state of the art facilities and cutting edge research in the fields of engineering.

The program provides an opportunity for engineering undergraduates to secure a degree from Trinity College Dublin, consistently ranked in the top world universities.

*Students who meet the academic entry requirements for the program will be able to apply for a Trinity-Thapar scholarship award which would reduce their Trinity tuition fee by 15%.*

#### **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 are in employment or 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 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
6. Biomedical 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](http://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](http://www.tcd.ie/Senior_Tutor)

## Life in Dublin

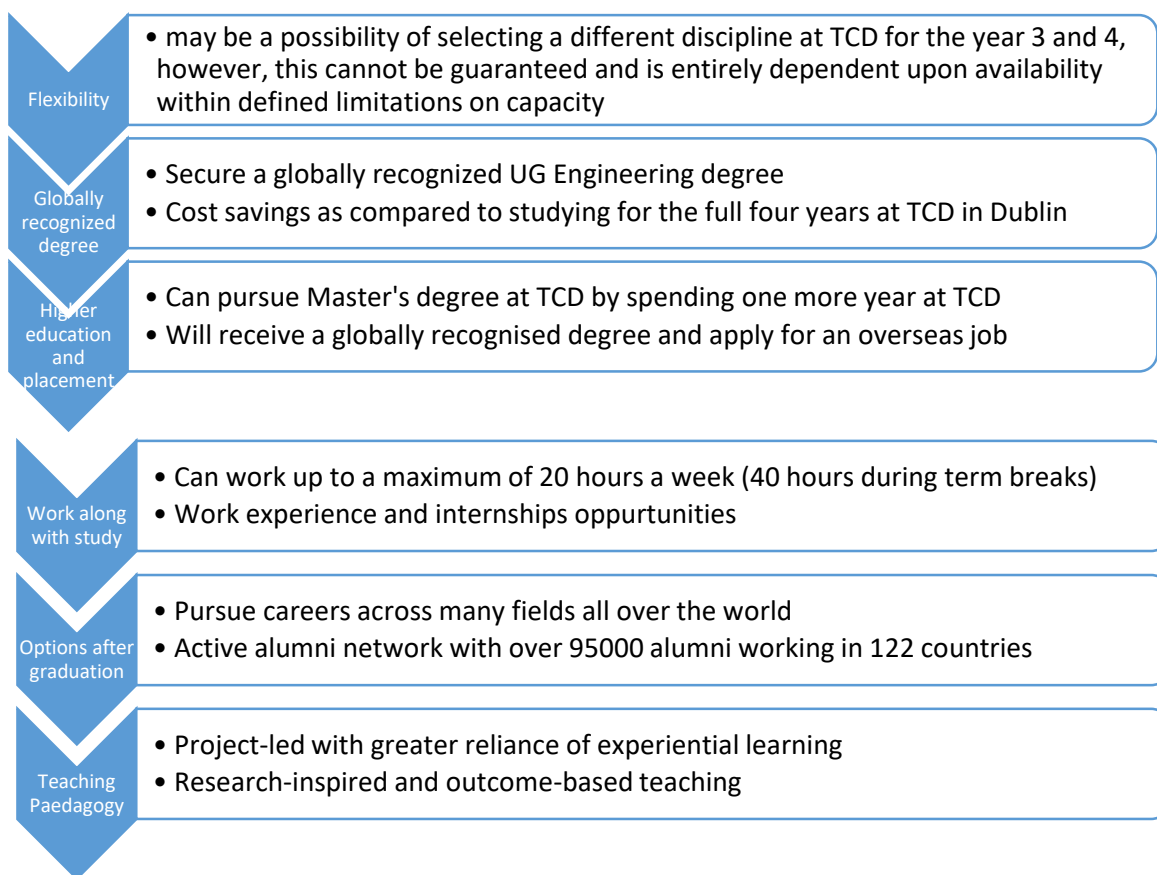
With a fast-growing, cosmopolitan population of just over one million, Dublin is a vibrant European capital city. Located at the heart of Dublin, Trinity sits at the very center of everything the city has to offer. Blending a high-energy, multinational professional culture with traditional Irish warmth 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



## Number of Seats

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 which is based on performance in the JEE (Main) examination. 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 relative TIET rank at the time of exercising their choice at TIET. However, the students will also have a choice to choose a TCD branch, if available. (The TCD branch may be different from his/her regular TIET 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 (majority of the 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 (2018)	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 (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 3 (2020)	Trinity College Dublin	€24,603	€24,603	€12,000 (accom & living expenses)	€12,000 (accom & living expenses)
Year 4 (2021)	Trinity College Dublin	€25,095	€25,095	€12,300 (accom & living expenses)	€12,300 (accom & living expenses)

\* In case a student under this program is able to score a minimum CGPA of 8.50 (without any backlog) or more at the end of second year and opts for going to TCD, the additional 50% fee charged in first two years shall be reimbursed to him/her. Further, in case any student paying normal fee desires to join International Engineering Programme (IEP) at the end of 2<sup>nd</sup> 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.

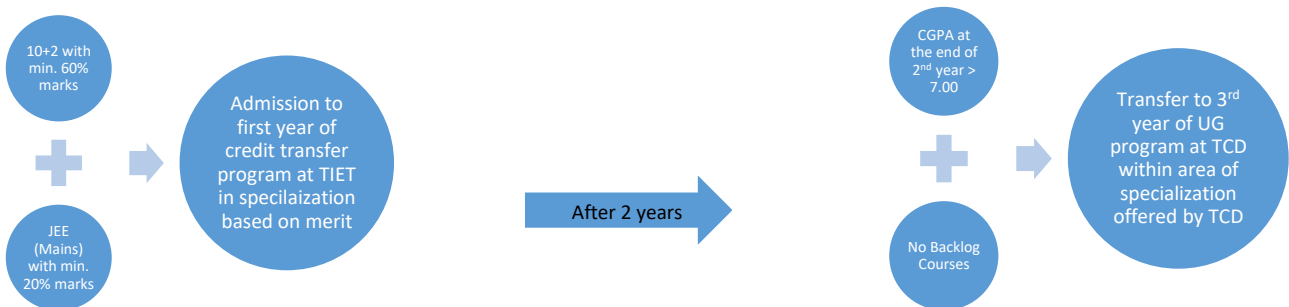
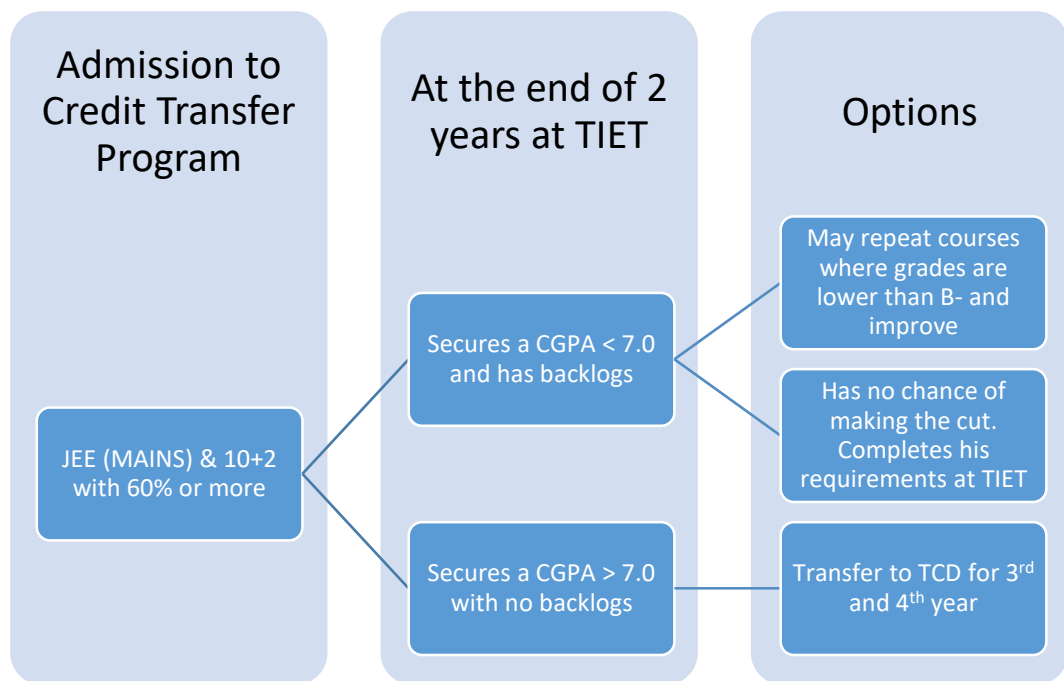
**Students who meet the academic entry requirements for transferring to Trinity College Dublin in the year 3 and 4, the students will be eligible for 15% discount on their tuition fee as a special Trinity-Thapar scholarship award which would reduce their Trinity tuition fee.**

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.

**Students admitted in this program shall not be allowed to appear in December Exam and in Branch Upgradation process at the end of First Year.**

**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 2<sup>nd</sup> year for the remaining two years.



## b) 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 Health
- 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 FOREIGN 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.

**PROCESS FOR BRANCH UPGRADATION OF UG STUDENTS AFTER COMPLETION OF 1<sup>ST</sup> 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)
    - $\geq 7.0$  for SC, ST and PH category students
    - $\geq 8.5$  for General category and other category students

OR

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.

**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.
2. Applications from TIET students who satisfy the eligibility criteria are to be considered in the order as given below.
    - All students who satisfy the norms with CGPA more than 8.5 (7.0 for SC/ST/PH) are allocated first.
    - Students who were eligible for admission to branch B at the time of entry to TIET Patiala are allocated subsequently.
  3. 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.
  4. (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.
  5. 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.

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