

# BRIEF INTRODUCTION

## ACADEMIC PROGRAMMES OF THE INSTITUTE

The Institute offers academic programmes at the undergraduate level leading to BE/BTech degree, at the postgraduate level leading to MA, MBA, MCA, MSc, ME/MTech degrees and at the doctoral level, PhD degrees.

The salient features of the programmes are *semester-wise credit system, letter grades, continuous evaluation of the students' performance, course-wise promotion* and Choice Based Credit System (CBCS) which provides *flexibility to allow the students to select courses and move at an optimum pace suited to their ability, capacity and interest.*

## ACCREDITATIONS OF THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY (TIET)

### 1. National Assessment and Accreditation Council (NAAC), UGC

Thapar Institute of Engineering & Technology has been accredited with 'A+' grade by National Assessment and Accreditation Council (NAAC), UGC.

### 2. Accreditation Board for Engineering and Technology (ABET)

Six B.E. programs viz Computer Engg., Mechanical Engg., Electronics and Communication Engg., Electrical Engg., Chemical Engg. and Civil Engg. program of Thapar Institute of Engineering & Technology, Patiala received the prestigious ABET accreditation as a confirmation of meeting the Global Standard of Technical Education. ABET is a US based organization that accredits post-secondary education programs in "applied science, computing, engineering, and engineering technology", which occurs mainly in the United States (USA) but also internationally.

### 3. National Board of Accreditation (NBA)

Most of the under-graduate programs are accredited by NBA.

## RANKINGS

Our notable rankings include:

### National Institute Ranking Framework (NIRF) Rankings

- Ranked 29th in 'Engineering' category in the top Engineering Institutes in the country
- Ranked 31st in 'University' category,
- Ranked 51st 'Overall' category

### Times Higher Education Rankings

- Ranked in "601-800" bracket among 1526 institutions worldwide and 4th joint along with 14 other institutions in India in the Times Higher Education World University Rankings 2021.
- **THE World University Rankings 2021 by Subject**
  - Computer Science:** 251-300 bracket worldwide and joint 2nd in India
  - Engineering:** 401-500 bracket worldwide and joint 3rd in India
- Ranked 156th in Asia and 18th among 56 universities in India in the Times Higher Education Asia University Rankings 2020.
- 1<sup>st</sup> amongst private institutions in India.

## QS Rankings

- Ranked in “251-260” bracket and 32nd among 107 institutions in India, 5th among private institutions in India in QS Asia University Rankings 2021
- Ranked in “801-1000” bracket worldwide in QS World University Rankings 2020.
- Ranked 30th in QS India University Rankings 2020.
- **QS World University Rankings by Subject 2020**

**Engineering – Electrical & Electronic:** 451-500 bracket worldwide

**Computer Science & Information Systems:** 551-600 bracket worldwide

## ACADEMIC UNITS

The academic units of the Institute are **Departments, Schools and Centres**. Role of the **Departments** is to organise and conduct undergraduate, postgraduate, and doctoral programmes in relevant engineering/technological disciplines, while the **Schools** cater for only postgraduate and doctoral programmes. The **Centres** are special inter-disciplinary units serving the Institute as a whole.

### A. DEPARTMENTS

- (i) Chemical Engineering Department
- (ii) Civil Engineering Department
- (iii) Computer Science & Engineering Department
- (iv) Department of Biotechnology
- (v) Electrical & Instrumentation Engineering Department
- (vi) Electronics & Communication Engineering Department
- (vii) Mechanical Engineering Department
- (viii) Continuing Education

### B. SCHOOLS

- (i) School of Chemistry & Bio-Chemistry
- (ii) School of Energy and Environment
- (iii) School of Humanities and Social Sciences
- (iv) School of Mathematics
- (v) School of Physics & Materials Science
- (vi) L M Thapar School of Management

### C. CENTRES

- (i) Central Library
- (ii) Central Workshop
- (iii) Centre for Industrial Liaison and Placement (CILP)
- (iv) Centre for Training & Development (CTD)
- (v) Centre of Relevance and Excellence (CORE) in Agro and Industrial Biotechnology
- (vi) Centre of Information and Technology Management (CITM)
- (vii) Health Centre
- (viii) Science and Technology Entrepreneur's Park (STEP)

**Medium of Instruction – English**

## **FACULTY**

For an academic institution, this is very important to recruit quality faculty. In TIET, faculty members are recruited through a rigorous selection process. This process includes the opinion of Academic Units and also that of outside experts. This is even more important to train and retain this key resource. We have taken a number of steps to retain the faculty and have entered into an MOU with Trinity College, Dublin to train the faculty members on state-of-art learning practices and pedagogies. For this purpose, we have established a Centre for Academic Practices and Student Learning at our Campus, and plan to get all the faculty members certified on these practices by experts from TCD. We hope to bring sweeping changes in the methodologies adopted by faculty as of now and are confident that this initiative shall help faculty members importing better learning to our students, shall help faculty members to involve students at all levels in their research endeavours and thus producing graduates who can serve our country better.

## **MoU WITH FOREIGN UNIVERSITIES/ORGANIZATIONS**

Thapar Institute of Engineering & Technology has embarked on a Contemporarization Program under academic mentorship of Trinity College, Dublin, (University of Dublin), Ireland. Under this program Thapar Institute of Engineering & Technology through its Centre for International Relations announces a credit transfer International Engineering Program with Trinity College Dublin, University of Dublin (TCD). Apart from this; TIET also has a major collaboration with the University of Groningen, Netherlands, University of New South Wales, Australia and Tel Aviv University, Israel.

Other MoU's which have been active include, New Jersey Institute of Technology, Kumamoto University, International Management Institute, Rose Bruford College, American society for Quality India Pvt. Ltd. (ASQ India), Universidade De Aveiro (UA), Brown University, Groupe ISA , Institute of life science, Lille , France, Naveen Jindal school of management, Texas at Dallas and LMTSOM, Royal Melbourne Institute of Technology, Universtity of Missouri-Kansas city, College of life science, Ritsumeikan University, Japan, School of information and digital technology, Paris, France, Technology Information, Forecasting & Assessment Council (TIFAC), Information, Library network centre (4-party UGC - Infonet Agreement), Indian Institute of Technology, Kanpur, National Science & Technology Entrepreneurship Development Board, Quark Benevolent Private Limited, IBM Global Services India Pvt. Ltd., Vimalsons Charitable Foundations, New Delhi, Educational Consultants India Ltd. (EDCIL), Crompton Greaves Ltd., Mumbai, 24x7 Learning Pvt. Ltd. Bangalore, Indian Institute of Tropical Metrology, Mesh Process Simulation Pvt. Ltd., Gita Vidya Mandir Girls College, Sonapat National Dairy Research, Secure Net Technologies, Wipro Technologies, Bangalore, ICICI Bank, UltraTech Cement Ltd, Mumbai , PepsiCo India holding pvt. Ltd a McCain Foods India Pvt Limited, NVIDIA for CUDA Teaching center (CTC) as well as CUDA Research Center (CRC), DRDO-Institute of nuclear medicine and allied sciences, Delhi and PGI Chandigarh.

## **ALUMNI UPDATE**

Alumni of an Institute are its greatest and most cherished assets. Whether one has graduated a year ago, or entered the portals of this great Institute more than 50 years ago, each one of the **Thaparian** possesses something of incredible value to the Institute. Many of our alumni are highly placed in India and abroad. From being on the boards of multi-nationals to serving in the Indian Civil Services, **Thaparians** have always made their alma mater proud. Thapar Institute of Engineering & Technology is truly proud of their achievements in all walks of life.

## **The Thapar Institute of Engineering & Technology also houses Alumni Relations/Association**

Office which acts as a liaison between the Institute and its alumnus and also maintains the website of TIET Alumni (<http://thapar.edu/academics/centers/alumni-relations-link1>) and also maintaining liaison through various social networks like Facebook, LinkedIn, Whatapp,

etc. The Thaparian web link provides a platform to alumni to interact and to keep themselves abreast of the latest developments on campus.

The office also maintains data base of more than **24,000 alumni**. The office organizes various Alumni meets such as Alumni/Founders day every year in the month of October to welcome alumni from all batches. Re-Unions of Golden, Silver Jubilee batches are also being organized every year. In addition to this, various International meets are also organised, the latest one Middle east meet being held in Dubai. Other activities include invited lectures by distinguished Alumni, organizing of "The Alumni in The Making" wherein the fresh graduates are welcomed in the alumni fold. Start-up conclave in 2016 was also initiated through the office, in collaboration with entrepreneurship development Cell and LM Thapar School of Management. Alumni also assist in helping UG and PG graduates for Internships and Training.

## **CENTRE FOR TRAINING & DEVELOPMENT (CTD)**

Producing world class engineers by imparting quality education has been a priority for Thapar Institute of Engineering and Technology (Deemed University). However, these Engineers operate in 'human organizations' requiring effective communication, appropriate behaviour, good interpersonal skills, problem solving & decision-making skills and an understanding of global work environment. The Centre for Training & Development (CTD) is responsible for servicing the above need to transform students into employable, future ready, global resources, serving a dual purpose:

- Ensure better placements
- Ensure a better 'fit' in the Industry & the Society.

### **Key Responsibility Areas (KRAs):-**

- Identifying the need for aptitude & soft skills training
- Conceptualizing, designing, organizing and implementing training programs based on the above needs
- Providing on-campus mentoring and career counselling sessions
- Inviting Industry experts to interact with students on contemporary employability and work environment challenges
- Liaising with CILP to understand current corporate requirements and accordingly customizing training programs
- Administering and delivering standardized tests like the GMAT (Pearson Testing) with technical support from Centre for Information & Technology Management.

Apart from having a strong student centric vision & focus as manifested in the activities above, CTD also facilitates the conduct of training programs for staff- both teaching and non-teaching. These programs encompass both functional and behavioural elements of development, ensuring enhanced productivity at work place. CTD also oversees similar functions for the LMT School of Management at Dera Bassi, where it actively liaises with its 'Head- Admissions & Placement' to plan and execute various training programs.

Centre for Training & Development has conceptualized, designed and implemented a series of training programs. The immediate objective of these programs is to brace students for campus placements and enable them to secure their dream job! In the long run it aims to acclimatize students to the Industry environment ensuring them to cope up with the challenges in the professional set-up.

#### **I. Corporate Readiness Training Programs**

These programs aim to prepare students for various placement related challenges, enhancing their probability for professional, personal and societal success.

✓ **Campus to Corporate (C2C)**

The Centre recently launched an annual online placement training drive, 'CAMPUS TO CORPORATE (C2C)', for students in different years of study. The program is delivered through the Telegram app. Three broad modules are covered here depending on the student's year of study/course: General Management & Communication Skills, Aptitude Skills and Placement Readiness. Apart from this, a daily coverage of Current Affairs marks the beginning of the day! *Inputs are provided on a regular basis, throughout the year.*

✓ **Placemator**

This program helps students to get experiential insights into the selection process of various companies. It is designed to create an interaction between the students already placed and the ones currently sitting for placements. Successful students connect with the aspiring ones to share their experiences, and handle queries related to interviews, group discussions, extempore presentations etc.

✓ **Skill Enhancer**

This is an annual program and is meticulously designed to prepare students for specific employability related challenges.

**Program Features:**

- Intensive concept sessions on basics of Group Discussion, Case Study, Guesstimate, Psychometric Test, Extempore Speech and Personal Interview
- Simulated practice sessions on Group Discussions, Case Studies & Personal Interviews
- Strategic performance feedback with customized improvement plan

✓ **Manthan**

This is conducted at the beginning of the second semester (UG)/ second semester (PG).

**Program Features:**

- Comprehensive workshops on employability skills
- Skill Assessment Test (SAT) with detailed interpretation/ feedback

✓ **Summer School**

This program is for UG/PG students who stay on campus during summer break (May–July) and feel the need for additional inputs on aptitude/soft skills.

**Program Features**

- Reviser modules on aptitude skills as well as on skills for excelling in Group Discussions, Case Studies & Personal Interviews

Apart from the above programs designed for UG/PG students enrolled in different semesters of the academic year, the following two programs are MANDATORY during the student training life cycle on campus.

✓ **Placement Symposium**

This is an event for final year students where exhaustive concept and practice GD-PI (Group Discussion-Personal Interview) sessions are organized for the participants, with a comprehensive performance feedback, enabling

them to bridge the between actual and expected levels. It is organized just before the onset of the placement season, and is mandated by the DOAA.

**Program Features:**

- Strategy sessions on Group Discussions, Case Studies, Psychometric Tests, Aptitude Tests and Personal Interviews
- One-on-one interview sessions with performance analysis and action plan
- Closely moderated practice Group Discussions & Case Studies
- Aptitude Test covering both general & technical areas

## II. Career Support Programs

These programs are designed for students targeting discrete career paths upon completion of UG/PG engineering course. Based on popular student feedback and trend analysis, the following programs are being currently offered:

✓ **MaxPrep GRE/GMAT**

This program is relevant for students writing the GRE/GMAT test for admission to international MS/MBA programs respectively.

**Program Features:**

- Fundamental concepts that are a must know for tackling the GRE/GMAT questions
- Workshops and section/full length tests
- Personalized admission counseling
- Comprehensive study material and online support

✓ **MaxPrep SSB**

This program is designed for students appearing for SSB interviews.

**Program Features:**

- Sessions on goal setting, picture perception Description Test, thematic Apperception Test, Word Association Test, Situation Reaction Test
- Strategies to handle PGTs/HGTs/ FGTs (Progressive, Half, Final) and Command group tasks.
- Personalised interview sessions

✓ **MaxPrep GATE**

This program is relevant for students writing the GATE exam for admission to MTech/MS programs in India and/or students seeking to join public sector organizations.

**Program Features:**

- Concept enabled study course to facilitate self-study after classroom lectures
- Application sessions and strategy workshops
- Regular doubt solving sessions
- Comprehensive test series with feedback sessions

✓ **MaxPrep IELTS**

This program is relevant for students seeking to study/settle abroad.

**Program Features:**

- Concept detailed study course to cover all 4 sections of the test
- Application sessions and strategy workshops
- Regular doubt solving sessions

### III. **Certificate Programs**

These programs are offered to students requiring specific inputs on certain areas of professional significance. Students are awarded a certificate upon successful completion of the program. Sessions are conducted on weekends across a total duration of 28-32 hours; All UG/PG students are eligible to enrol. Based on popular student demand, the following programs are currently being offered:

#### ✓ **Finance for Engineers**

The course, 'Finance for Engineers', has been designed to sensitize students w.r.t the financial environment. Such a sensitivity is imperative for appreciating the vast domain of business and economy, and is also evaluated by companies like JP Morgan during the campus placement process.

### IV. **Choice Based Credit Programs**

These programs are offered as free electives leading to an award of academic credits for the students.

#### ✓ **Employment Development Skills (EDS)**

This program is positioned as a free elective for UG students in their 3<sup>rd</sup>/4<sup>th</sup> year of study. It prepares students for campus placement and industry related challenges. It includes areas like team dynamics & collaboration, emotional intelligence, leadership, managing diversity etc.

#### **Career Assessment Programs**

Apart from the above programs the Centre also organizes one-on-one CAREER COUNSELLING sessions through a CAREER PROFICIENCY TEST to enable students to realize their true potential. A career map is prepared for each such student with an understanding of short- and long-term goals. These sessions are conducted throughout the academic semester in student friendly time slots etc.

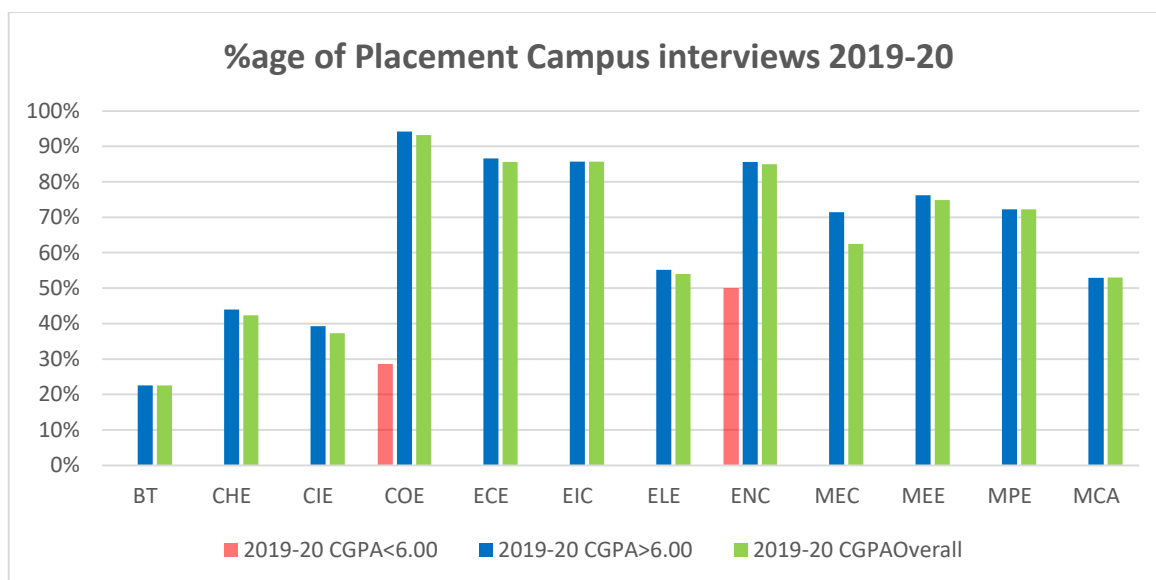
- Students are not charged additionally for any of these programs.
- The programs are conducted in a way so as not to disturb the overall academic equilibrium.
- Trainers are carefully selected on the basis of domain competence/expertise/experience.
- Prior registration is mandatory for all programs.
- Students can reach out to CTD team at [training@thapar.edu](mailto:training@thapar.edu). The Centre is also active on social media platforms like Instagram & Telegram.

### **CENTRE FOR INDUSTRIAL LIAISON AND PLACEMENT (CILP)**

#### **ACTIVITIES OF CILP**

- Campus Recruitment Programme
- Project Semester Placement of Students
- Summer Training Programme
- Industry Institute Interaction

CILP arranges campus interviews for final year UG & PG students by inviting various national and international organizations from private and public sectors including MNCs for student placements. A robust database of organizations who have been recruiting freshers from the campus over the years is maintained with CILP and continuously updated. Campus placements across UG branches for the graduating batch of 2019-20 is as per the chart here (updated up to 28-Feb-21). Owing to the nation-wide lockdown and extension in hiring timelines due to the unexpected Covid-19 pandemic, the organisations are still continuing to hire our students of the 2020 graduating batch, hence this placement number and percentage is likely to increase further.



All students across BE/B.Tech. engineering disciplines are required to spend a full semester in the industry completing an industrial project under the joint supervision of industry supervisors and TIET faculty members. The PG students, however, undergo one full year's internship in the industry completing their industrial project.

Similarly, the students of MCA undergo a Systems Development Project (SDP) of sixteen-weeks duration & the students of M.Sc. undergo a six-weeks summer training in the industry. This provides a system of education that formally integrates academic studies with related work exposure. Over 350 corporates offered semester slots/Internships to our students. CILP assists in arranging semester internship slots for various engineering branches that results in Pre-Placement Offers (PPOs).

CILP also assists in arranging eight weeks' summer training for students of BE third Year Electronics and Electrical Communication, Electronics and Computers, Electronics (Instrumentation & Control), Electrical and Computer Science and Engineering disciplines. Many organizations offer PPOs to the students basis their internship performance.

CILP is closely involved in Industry-Institute Interaction Programmes such as Joint Research Projects in collaboration with organizations.

For the 2019-20 batch, 335 organizations conducted their recruitment processes offering placements to 1,061 students till 28<sup>th</sup> February 2021. Recruitment processes of another 39 organisations are underway till the time of writing this report.



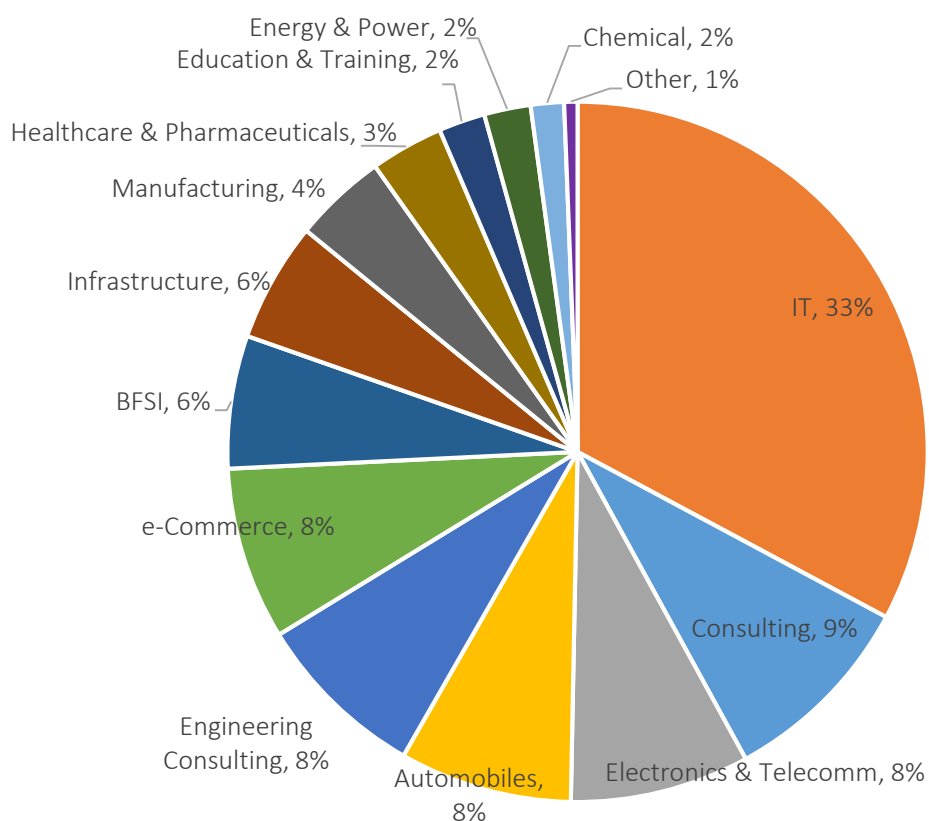
## ORGANIZATIONS VISITING FOR CAMPUS RECRUITMENT

S. No	Organization	S. No	Organization	S. No	Organization
1	Oracle India Private Limited	113	Siemens Technology and Services	225	Seekify
2	Stryker Global Technology Center	114	Standard Chartered GBS Pvt Ltd	226	Fluor Daniel India Private Limited
3	LG Soft India Private Limited	115	Ericsson India Global Services	227	Havells India Ltd.
4	Civilbaba Infra Consultant Pvt. Ltd.	116	Stryker Global Technology Center	228	Comviva Technologies Ltd.
5	Philips Innovation Centre	117	LUMEN (CenturyLink Technologies)	229	Amazon India
6	Intel Technology India Pvt. Ltd.	118	Cubastion Consulting Pvt. Ltd.	230	JPMorgan Chase & Co.
7	STMicroelectronics	119	Saint Gobain India Pvt. Ltd.	231	Nagarro Software Pvt. Ltd
8	Nokia Solutions & Networks	120	SourceFuse Technologies	232	Relevance Lab Pvt. Ltd.
9	B&S Engineering Consultants	121	White Panda	233	BirdEye India Pvt. Ltd.
10	Nelumbo Icona Controls Pvt Ltd.	122	Oracle India Private Limited	234	Zinnov Management Consulting
11	Saanvi Infrastructure Pvt Ltd.	123	Elucidata	235	Oracle India Private Limited
12	Vintech Consultants	124	India Smart Grid Forum	236	Ernst & Young Private Limited
13	Accrete Consulting Engineers	125	Lumenci Inc.	237	FCA India Automobiles (FIAT)
14	Reliance Communications Limited	126	Tinymesh Radiocrafts India LLP	238	Infowiz Industry Private Limited
15	Gammon India Limited	127	Whirlpool of India Ltd	239	Landis + Gyr Limited
16	Jugnoo	128	Frugal Testing	240	SML Isuzu Limited
17	IOL Chemicals	129	Tech Mahindra Limited	241	Vedanta Limited
18	IPE Global Limited	130	ANAND Automotive Private	242	HeidelbergCement India Ltd.
19	Centre For Science & Environment	131	MothersonSumi Infotech & Designs	243	Lido Learning
20	Eco Laboratories & Consultants	132	RBL Bank	244	Yadavindra Public School, Patiala
21	AECOM India Pvt. Ltd.	133	Reliance Industries Ltd.	245	Amazon India
22	Gayatri KMB (JV)	134	Tata Consultancy Services Limited	246	Newgen Software Technologies
23	Ericsson India Global Services	135	Axens India Private Limited	247	TalentEdge
24	Tata Consultancy Services Limited	136	Capgemini Technology Services	248	Triune Energy Services Pvt. Ltd.
25	Eptisa India Pvt. Ltd.	137	Think & Learn Pvt. Ltd.	249	Axis Bank
26	Highway Consulting Engineers	138	Amazon India	250	LG Electronics India Pvt. Ltd
27	Nokia India	139	Procol	251	Maruti Suzuki India Limited
28	STEC-SUCGIN JV	140	Schneider Electric India	252	SMS India Private Limited
29	Tata Motors Limited	141	Think & Learn Pvt. Ltd.	253	Yamaha Motor Solutions
30	Skeleton Consultants Pvt Ltd	142	Netinnovatus It Solutions	254	SRF Limited
31	Microsoft India Private Limited	143	Smart Energy Water	255	VServ Business Solutions
32	Bajaj Auto Limited	144	Thermax Limited	256	Wosumo Media Marketing
33	Rubrik	145	Ericsson India	257	Advantage Club
34	American Express	146	Exicom Tele-Systems Limited	258	Absolutdata Research
35	Expedia Group	147	SKF India Ltd.	259	Reynic Technologies
36	Arcesium India Pvt Ltd	148	Orient Electric Limited	260	VE Commercial Vehicles Ltd.

S. No	Organization	S. No	Organization	S. No	Organization
37	D. E. Shaw India Private Limited	149	VirtuBox Infotech Pvt Ltd	261	Interra Systems India Pvt. Ltd.
38	Cisco Systems, Inc.	150	Wipro Ltd.	262	Panasonic India
39	FLOCK Software	151	Goldman Sachs Services Pvt Ltd	263	Boldrocchi India Pvt Ltd
40	Media.net	152	Rivigo	264	DXC Technology
41	VMware Software India Pvt. Ltd.	153	Verzeo	265	Milekal Engineering
42	Asian Paints Limited	154	DENSO International India Pvt.Ltd.	266	Altudo (Edynamic)
43	JPMorgan Chase & Co.	155	LIBSYS Ltd.	267	Metlok Private Limited
44	JPMorgan Chase & Co.	156	SmartSchool Education Pvt Ltd	268	Fareportal India Pvt. Ltd.
45	Walmart Labs	157	Ambuja Cement Ltd.	269	General Highways And Infracon
46	Honeywell International Inc.	158	Extramarks Education	270	Kandhari Beverages Pvt. Ltd.
47	MediaTek India Technology	159	Paytm Payments Bank Limited	271	Streamsource Technologies
48	Wipro Ltd.	160	Continental Device India Ltd	272	Skeps
49	ZS Associates India Pvt Ltd.	161	Infosys Limited	273	Padmini VNA Mechatronics
50	Bharti Airtel Limited	162	Mettl	274	Mobikasa Private Limited
51	CaaStle (Gwynnie Bee)	163	Bechtel India Private Limited	275	Better.Com
52	Hero Motocorp Ltd.	164	Ninjacart	276	Trek India
53	Texas Instruments	165	PricewaterhouseCoopers	277	ZI Media
54	Deloitte Consulting India Pvt. Ltd.	166	Samsung Research Institute Delhi	278	DecisionTree Analytics
55	ION Trading India Private Limited	167	Indian Space Research Organisation	279	Hevo Data Inc.
56	Reliance Energy Limited	168	Policybazaar	280	Globe Civil Projects
57	Deloitte Consulting India Pvt. Ltd.	169	SquadRun	281	Quick Ride
58	Optum	170	TT Consultants	282	Pitney Bowes (SyncSort)
59	Zscaler Inc	171	American Foundation India	283	Autoninja
60	Sabre Corporation	172	Antares Tech	284	Deep LogicTech India Pvt. Ltd
61	Tata Motors Limited	173	Brand Engineerz	285	CPA Global
62	Royal Bank Of Scotland	174	Editorialist YX	286	Freecharge
63	Synopsys	175	Hero Motocorp Ltd.	287	Sabka Mandi
64	Increff	176	Unilever Industries Private Limited	288	D. E. Shaw India Private Limited
65	American Express	177	Vardhman Spinning & General Mills	289	Hike Pvt. Ltd.
66	AscentX Software	178	Atkins Global Design Centre	290	NoBroker Technologies Solutions
67	Naukri.Com	179	Ramboll India Private Limited	291	Attentive AI Solutions Pvt Ltd
68	Amadeus Software Labs	180	United Breweries Ltd.	292	Classplus
69	Futures First Info Services Pvt Ltd	181	Bombardier Transportation	293	Onebanc Technologies Pvt Ltd
70	Alstom Transport India Limited	182	Khanna Paper Mills	294	Polestar Solutions & Services
71	Informatica Corporation	183	Core Metal Krafts Ltd.	295	McKinley & Rice Creativity
72	Mentor Graphics	184	Digital Ecom Techno	296	Jungleworks
73	Samsung RI Bangalore	185	Senvion India Pvt. Ltd.	297	Acceldata Technology
74	Tata Motors Limited	186	Tictok Skill Games	298	HyperVerge, Inc.

S. No	Organization	S. No	Organization	S. No	Organization
75	Interra Systems India Pvt. Ltd.	187	Bundy India Limited	299	WhiteHat Jr
76	Oyo Rooms	188	K.K.Spinner Pvt. Ltd.	300	Fandrum
77	FITSO	189	WinZO Games	301	Mylo
78	Wheelseye Technology	190	Adobe Systems	302	Advergame Technologies
79	Cloudera, Inc.	191	Apple	303	PickMyWork
80	Lido Learning	192	Optimizory Technologies	304	BharatPe.
81	Proptiger.com	193	Toyota Kirloskar Auto Parts	305	STMicroelectronics
82	Edifecs Technologies Private	194	Autoninja	306	The Raisch Group
83	Shapoorji Pallonji Group	195	Moglix	307	Apptunix
84	Xebia	196	PatchUS Communications Pvt. Ltd.	308	Drishya AI Labs
85	Amazon India	197	Veratech Intelligence	309	AdPushup Software.
86	General Electric	198	JPMorgan Chase & Co.	310	Geeksforgeeks
87	BlackRock	199	Pristyn Care	311	Meerut Institute of Engg and Tech
88	BlueOptima	200	The Lumina's	312	Greenway Appliances
89	OurBus	201	Creescync Software Technologies	313	Paxcom India Pvt. Ltd.
90	Amdocs Development Center	202	KPMG Global Services	314	Pentagon Space Pvt. Ltd.
91	Upgrad	203	NXP Semiconductors	315	Khurana Oleo Chemicals
92	Carrier Midea India	204	Kohler India Corporation Pvt. Ltd.	316	Jay Bharat Maruti Ltd
93	Juniper Networks, Inc.	205	L&T Construction	317	SAP Labs
94	HSBC Software Development	206	WSP Global Inc	318	Contec Global Group
95	Addverb Technologies	207	KPMG Global Services	319	Cisco Systems, Inc.
96	Shriram Pistons & Rings Ltd.	208	Maruti Suzuki India Limited	320	Hero Motocorp Ltd.
97	Arista Networks	209	C&S Electric Ltd.	321	Upgrad
98	ENS Paris-Saclay	210	Ess Ess Kay Engineering	322	HCL Technologies Ltd
99	EXL Service	211	Icons Infocom	323	ZS Associates India Pvt Ltd.
100	Xion Multiventures Private Limited	212	Gartner Inc	324	Interra Systems India Pvt. Ltd.
101	CashKaro.com	213	MeritHub Technologies Pvt. Ltd.	325	Tata International Ltd.
102	Evalueserve Private Limited	214	ThinkNext Technologies Pvt. Ltd.	326	New Swan Group
103	ISGEC Heavy Engineering Ltd	215	Uniplatform Tech Private Limited	327	o9 Solutions, Inc.
104	MAQ Software	216	Voltas Ltd.	328	Vedanta Limited
105	Samsung Research Institute Noida	217	Relinns Technologies	329	Tata Motors Limited
106	IBM India Private Limited	218	Education Culture Pvt. Ltd.	330	Steel Strips Wheels Ltd.
107	Lumiq	219	Endoenergy Systems Pvt. Ltd.	331	YASKAWA India Private Limited
108	General Electric (Aviation)	220	Exicom Tele-Systems Limited	332	Bain & Company
109	Junglee Games, Inc.	221	Magicipin (Samast Technologies)	333	eClerx Services Limited.
110	Reliance Jio	222	QuillHash Technologies	334	TietoEVERY
111	Samsung Engineering India	223	SSK Group	335	SML Isuzu Limited
112	Siemens India	224	Zenatix Solutions Pvt. Ltd		

## SECTOR-WISE PLACEMENTS 2019-20



### CONTEMPORIZATION PROGRAM:

Aspiring to become a globally acclaimed Institute, Thapar Institute of Engineering and Technology (TIET) is implementing a major contemporisation program mentored by global partners. The program focuses on strategies to deliver a research inspired, outcome based educational experience to the students at all levels. It is a major shift in focus from 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. Additionally, all academic staff is encouraged to bring in cutting-edge research ideas from their own research into their teaching. The introduction of multi-disciplinary engineering design courses, which include a catapult, buggy and bridge design projects, makes this a unique engineering program in the country.

Thapar Institute of Engineering and Technology offers a basket of undergraduate engineering and a 2+2 credit transfer program (International Engineering Program) in collaboration with Trinity College, Dublin.

Thapar Institute of Engineering and Technology, with its sprawling campus spread over 250 acres, is home to over 100 teaching and research laboratories in engineering and sciences. TIET have envisioned improving the laboratory and physical infrastructure on the

campus. A modernization plan for the important teaching and research laboratories is being implemented at a cost of Rs 70 cr. By this time, we already modernized over 40 undergraduate teaching labs. TIET have hired world class foreign architects to develop key academic infrastructure that includes a new Computer Science block, green Library, modern lecture hall complex, iconic student residences and other academic blocks. The first phase of these facilities will start functioning in first quarter of 2018.

An Innovation Centre/Venture Lab has been set up to run accelerator program open to teams of students with an early-stage business idea in collaboration with University of Groningen. The program is supporting students in developing investor-ready ventures.

The strong industry-academia linkages forged by Thapar Institute of Engineering and Technology, its quality of students and faculty, and the high industry relevance of its professional courses have helped the Institute to emerge as a top draw among some of the biggest corporate names from across the world. The highest salary package offered to students this year is Rs 40.00 lakh per annum by Work Applications Japan and an average of Rs 7.00 lakh across disciplines. The key highlight is the placement of students in their core area of study throughout all disciplines.

TIET have set up a Centre for Academic Practice and Student Learning (CAPSL) to train faculty to in-house teaching & learning modules during the next 3-5 years. As the centre gets established, we have recognized key academic staff across different disciplines with specific interest and knowledge of different aspects of higher education pedagogy, and train them at Trinity from January 2018. Continuous professional development modules and certified programmes are delivered by faculty from Trinity College Dublin regularly. The training programmes have been developed based on core needs identified in Indian context and adapted to reflect the specific academic needs of Thapar faculty. The training of all academic staff and on-going professional development has been instrumental in establishing the culture necessary for implementing the outcome-based education.

To remain in the forefront on the scientific and technology development and to share the experience and knowledge, Institute is actively involved in collaborative programmes with international organizations/universities. A number of collaborative works are under operation with Universities, Labs and other organizations. Institute has several MoUs with reputed Universities abroad. A brief update is given below for the academic partnerships with the following institutes:

- Trinity College Dublin, Ireland
- Tel Aviv University, Israel
- University of Groningen, Netherlands
- University of New South Wales, Australia

**Trinity College Dublin:** Trinity is a strategic partner with activities spread across the university. During the past three years, Trinity has mentored the academic programs, helped us reform our governance and academic procedures and is actively mentoring some of our young faculty. During the year 2016-17, a team lead by CBoG, Mr Vederah visiting Dublin in September 2016. Trinity team later visited Thapar Institute of Engineering and Technology in January 2017 for an academic review. Mr Gautam Thapar, President TIET and Mr Vederah visited Trinity in May this year and held discussions on wide range of topics related to academics, joint programs and research. Trinity Provost visited TIET earlier this year for partnership review meetings.

**Tel Aviv University, Israel:** We are exploring the possibility of recommending some students from Thapar Institute of Engineering and Technology to join the International Program in Electrical Engineering at TAU in 2+2 mode. Prof Ehud Heyman visited Thapar Institute of Engineering and Technology in May 2017 and reviewed our programs. The mapping of the

curricula at both institutions is currently ongoing. We propose to sponsor two to three post-doctoral positions for our young members of staff in School of Engineering at TAU on agreed thematic research areas. The post-docs holders will spend approximately one year at TAU and contribute to the development of a research culture at TIET. Three candidates were sponsored to complete summer offerings at TAU (2017) in Cyber, IP, Innovation and Entrepreneurship and Food security etc. We are also exploring the Clinical/Cognitive psychology program to collaborate with our new MA psychology program. There are also options for one semester exchange for the BE-MBA integrated program at the master's level when the students move for their MBA program at Porter School of Environmental Studies.

**University of Groningen:** We have tied up with University of Groningen for setting up a Venture Lab at TIET. 18 faculty members were trained at Groningen during from the last two years.

**University of New South Wales (UNSW):** TIET signed a MoU with UNSW on April 7, 2017 with scoping the areas of partnering. Dialogue with a detailed proposal has been sent to UNSW for developing a comprehensive partnership. A Credit transfer program at UG/PG will be on offer and short-term mobility programs (typically 3-12 weeks) for UNSW students to collaborate and explore research opportunities will also be discussed.