

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, PG Diploma, Dual-Degree BE-MBA degrees and at the doctoral level, PhD and DSc 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 was accredited with 'A' grade by National Assessment and Accreditation Council (NAAC), UGC from May 2016 for 5 years. We have applied for fresh NAAC accreditation and the data is being reviewed and verified by NAAC at this time.

2. Accreditation Board for Engineering and Technology (ABET)

Five B.E. programs viz Mechanical, Electronics, Electrical, Chemical and Civil Engineering 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 team visited for accreditation of B.Eng. Computer Engineering in November 2018, results are awaited. 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)

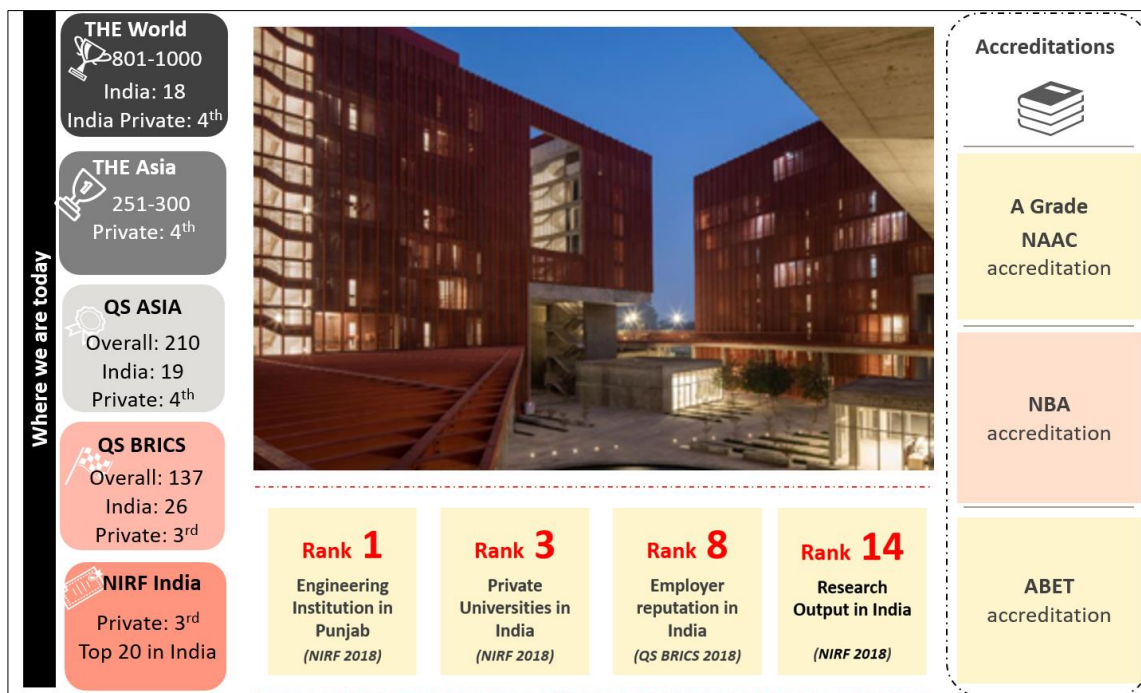
Most of the under-graduate programs are accredited by NBA.

RANKINGS

Our notable rankings include:

- 132nd position in QS BRICS university rankings 2019
- 31st position in QS India University Rankings 2019.
- 20th in 'Engineering' category in the top Engineering Institutes in the country, 33rd in 'University' category and 50th overall category by the biggest and the most comprehensive National Institute Ranking Framework (NIRF), MHRD, Government of India in 2018.
- Ranked 801-1000 worldwide (QS World University Rankings 2018)
- 801-1000 among 1102 institutions worldwide and 18th joint among 42 institutions in India (Times Higher Education World University Rankings 2018)
- 251-300 in Asia and 29th among 42 universities in India (Times Higher Education Asia 2018)
- 251-300 among 378 institutions in Emerging Economies, 25th joint rank among 42 institutions in India and 2nd joint rank among private institutions in India (Times Higher Education Emerging Economies University 2018)
- 210th in Asia and 19th among 35 institutions in India, 5th among private institutions in India (QS Asia Rankings 2018)

- 137th in BRICS and 26th among 65 institutions in India, 3rd among private institutions in India (QS BRICS Rankings 2018)
- 10th among Best Engineering Colleges in 2017 (India Today)
- 4th in Private and deemed technical universities in India, 8th in top technical universities (The Week, 2018)



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 Contemporization 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, University 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 **Thapar** 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, **Thapar** 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, WhatsApp, etc. The Thapar 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 (more students placed in high octane organizations)
- Ensure a better 'fit' in the Industry (by making students industry and society ready)

Key Responsibility Areas (KRAs):-

- Identifying the need for Aptitude & Personality 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
- Test administration and delivery of 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 technical 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.

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.

i. Corporate Connector

This is a carefully crafted program with specific thrust on the requirements/selection criteria of various companies visiting the campus for placements.

Eligibility:

UG/PG students facing campus interviews for final placements/industry internships

Program Features:

Near real simulation of the selection process of various companies

ii. English Enhancer

This Program is meant for students who feel a need to develop proficiency in English Language.

Program Features:

- Systematic coverage of all 4 dimensions of language- Listening, Reading, Writing & Speaking
- Interactive teaching tools like story writing, JAMs, simulations, group tasks, extempore, role plays etc.

iii. Environment Energizer

This program is meant for students who seek analysis & interpretation of current affairs so as to connect better with the surrounding environment.

Program Features:

- In-depth discussions on events of contemporary significance
- Week-on-week dissection of National/ International news

iv. Placement Preparator

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

Eligibility:

UG : Students studying in fifth and sixth semesters

PG : Students studying in third and fourth semesters

Program Features:

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

v. Summer School

The objective of this program is to familiarize students with the various tools employed by companies to assess/ select students during placement.

Eligibility:

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
- A part 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.

vi. Manthan

This program is meant to make students aware of the various skills under the scanner during the campus placement process. It is conducted at the beginning of the fourth semester (UG)/ second semester (PG).

Eligibility:

UG : Students studying in fourth semester
PG : Students studying in second semester

Program Features:

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

vii. 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.

Eligibility:

UG : Students studying in seventh semester
PG : Students studying in third semester

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

The Centre also provides online support to:

- First year UG/PG students for developing proficiency in English Language through videos, assignments & eBooks and online tests on vocabulary, grammar & communication.
- Final year UG/PG students for accessing placement related study material, including company specific tests, preparatory videos/articles

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:

i. 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

ii. MaxPrep CAT

This program is designed for students appearing for various tests for admission to post graduate management programs in India, like the Common Admission Test (CAT).

Program Features:

- Basic concepts of quantitative and verbal ability
- Application workshops and practice tests
- Customized strategy sessions
- Comprehensive study material and online support

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

III. Certificate Programs

These are programs 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 24 hours; All UG/PG students are eligible to enroll.

Based on popular student demand, the following programs are currently being offered:

i. Creative Communication

This program prepares students to handle communication challenges in a creative manner. It includes areas like creative writing, creatively writing to achieve envisioned results for SOP/personal & professional objectives/ cover letter/ resume, presentation skills, facing interviews group discussion participation, interpersonal communication etc.

ii. Analytical Skills Building

This program aims to develop quantitative, verbal and logical skills along with an application of integrated reasoning to solve problems.

iii. Leadership & Personal Effectiveness

This program prepares students to appreciate the importance of initiative and leadership in work situations. Particular emphasis is on understanding vision, mission, values and objectives in the overall framework of goal accomplishment

iv. Public Speaking

This program aims to make students confident with respect to public speaking. It uses an interactive teaching methodology to help students know themselves better, enhancing their self-confidence, which is imperative for effective public speaking. Specific thrust is on developing presentation skills and managing diverse audience segments.

IV. Choice Based Credit Programs

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

i. Employment Development Skills (EDS)

This program is positioned as a free elective for UG students in their 3rd 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.

Apart from the above programs the Centre also organizes one-on-one CAREER COUNSELLING sessions 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.

Note: -

- Students are not charged additionally for any of the mentioned 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.

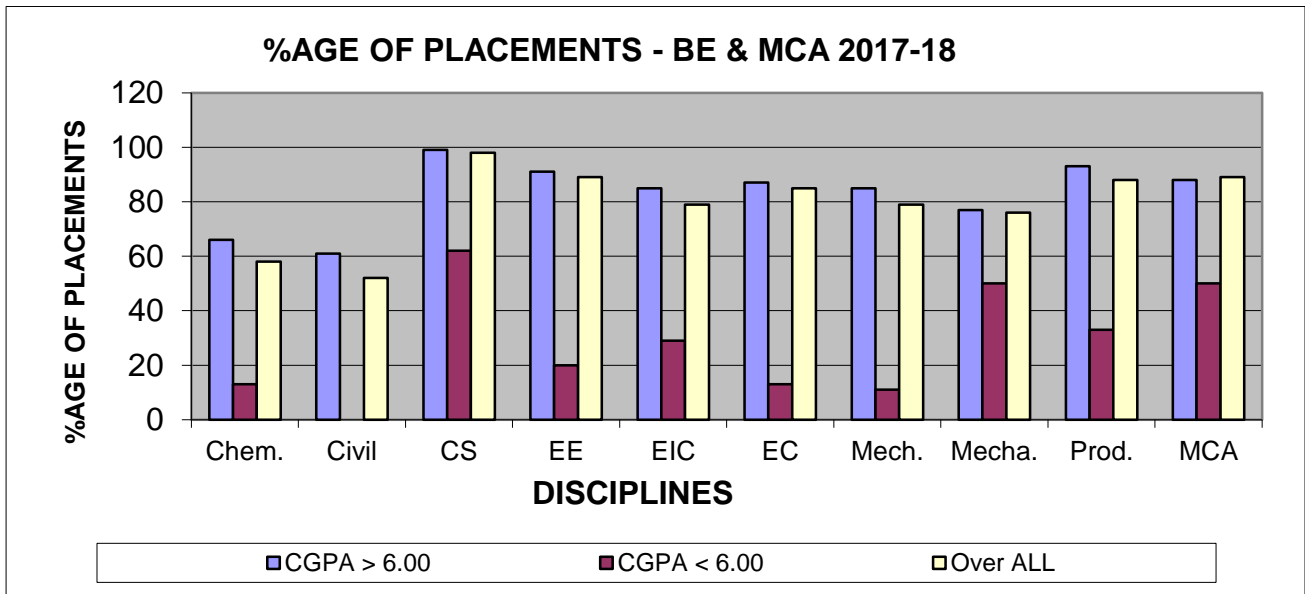
- Prior registration is mandatory for all programs.

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 students of UG & PG by inviting various national and international public sector, private sector and MNC's organizations for placement. A data base of organizations is available with CILP which is continuously updated. Campus recruitment for the year 2017-18 is as under till December 31, 2018.



All students of various 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. Also, PG students undergo one full year internship in industry completing the industrial project.

Similarly, the students of M.C.A. do a System Development Project (SDP) of sixteen-weeks duration & the students of M.Sc. spend a six-weeks summer training in the industry. This provides a system of education that formally integrates academic studies with related work experience. More than 350 industries provided semester slots/Training/internship to our students. CILP assists in arranging semester training/ internship slots for various branches of engineering resulting in PPO's.

CILP also assists in arranging six week's summer training for students of BE Second Year Electronics and Electrical Communication, Electronics (Instrumentation & Control), Electrical and Computer Science and Engineering disciplines.

CILP is closely involved in Industry-Institute Interaction Programmes such as Faculty Exchange Programme, Mobility of Industrial Personnel Programme and Joint Research Projects in collaboration with industries.

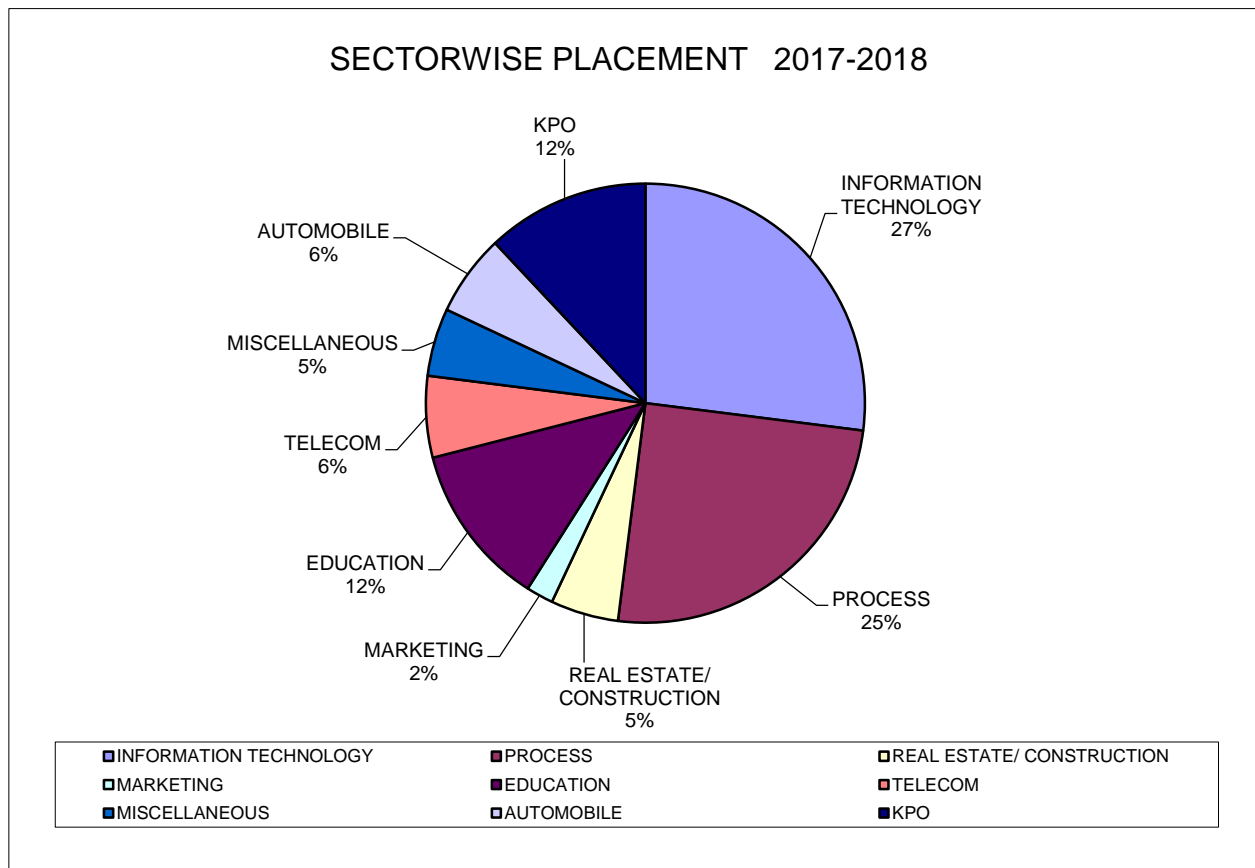
For the students graduating and post graduating in 2019, 301 organizations have so far visited our Institute and offered placements to 1039 students through campus interviews till

date.

ORGANIZATIONS VISITING FOR CAMPUS RECRUITMENT

| | | | | | |
|----|----------------------------------|-----|--|-----|--------------------------------|
| 1 | 3Apples | 101 | Hbeon Lab | 201 | Puppkart |
| 2 | Aakash Education | 102 | HCL Technologies | 202 | Purple Apple Infosystems |
| 3 | Aam Infotech | 103 | Helfis | 203 | PWC |
| 4 | Absoludata | 104 | Hero Motocrop | 204 | Qualcomm |
| 5 | Acxiom Consulting Pvt. Ltd. | 105 | HFCL | 205 | Reliance Industries Ltd. |
| 6 | Addverb | 106 | Hindalco | 206 | Reppify |
| 7 | Adobe Systems | 107 | Hindustan Unilever (HUL) | 207 | Rockwell Autometation |
| 8 | Advantage Club | 108 | Holidify | 208 | Roundglass H2O Pvt Ltd |
| 9 | Advisor Logic | 109 | Honda Motorcycle & Scooter India Pvt. Ltd. | 209 | Royal Bank of Scotland |
| 10 | Afcons Infrastructures Ltd. | 110 | Honeywell (UOP) | 210 | RR Labs |
| 11 | Agilent Technologies | 111 | HSBC Software Dev. India | 211 | Rubrik |
| 12 | Agra Development Authority | 112 | i NURTURE Education | 212 | RV Technologies |
| 13 | Airtel | 113 | I.B.M. Golbal Business S. | 213 | Sabre |
| 14 | Amadeus Labs. India | 114 | IATC SIEMENS | 214 | SachTech Solutions |
| 15 | Amazon | 115 | IIRS | 215 | Sagacious Research |
| 16 | Amazon cloud support | 116 | Impinge Solution | 216 | Samast Technologies |
| 17 | Ambay Engineering Corp. Y Nagar | 117 | India Mart | 217 | Samsung (R&D) Noida |
| 18 | Ambuja Cement | 118 | India Mart Intermesh | 218 | Samsung RI Bangalore |
| 19 | Amdocs India Development Centre | 119 | Indiabuls housing Fin. | 219 | Sandisk Corporation |
| 20 | Amson Transformers | 120 | Infineon Technologies | 220 | SAP Labs |
| 21 | Anand Group | 121 | Infogain | 221 | Sapient |
| 22 | Ansh Infotech | 122 | Informatica Corporation | 222 | Schneider Electric |
| 23 | Apex Tgi Pvt. Ltd. | 123 | Infosys | 223 | Sense Infinity |
| 24 | Arcesium India | 124 | Infowiz | 224 | Shapoorji Pallonji Ltd |
| 25 | Ascentx software | 125 | Integreon G-rail research | 225 | Shell IT Centre |
| 26 | Asian Paints | 126 | Intel (PPO) | 226 | Shriram Pistons |
| 27 | Automation Systems | 127 | IOCL | 227 | Sidwal Refrigerations |
| 28 | Autoninja | 128 | ION Trading India | 228 | Siemens |
| 29 | Avetti Commerce | 129 | iOptiBiz Solutions | 229 | Siemens Health Care |
| 30 | Axtria India Pvt. | 130 | ITC | 230 | Sify Technologies |
| 31 | Azcom Technology | 131 | J.P.Chase & Co. | 231 | Silver Peak |
| 32 | B&S Engineering Consultant | 132 | J.P.Morgan | 232 | Simplex Infrastructures |
| 33 | Bajaj Auto | 133 | Jacobs Group | 233 | Smart Data |
| 34 | BCH Electric | 134 | JDA Software | 234 | Smart School Education Pvt. |
| 35 | BEL | 135 | JNU | 235 | Smartprix Ltd. |
| 36 | BlacknGreen | 136 | Jubilant Life Sciences | 236 | SML ISUZU |
| 37 | Blackrock India | 137 | Jugnoo | 237 | SocialCops |
| 38 | Blue Optima | 138 | Juniper Networks | 238 | Sofftrix Web Solutions |
| 39 | Boldrochi India | 139 | Karmaa LABS | 239 | Solitaire Infosys Pvt. Ltd. |
| 40 | Bombardier transporation | 140 | KPIT | 240 | SRF Ltd. |
| 41 | Bosch Ltd. | 141 | L&T R&D | 241 | ST Microelectronics |
| 42 | Brainpan Innovations | 142 | Lakshya Insitute | 242 | Steel Strips Wheels Ltd. |
| 43 | CALANCE | 143 | Larsen & Toubro Construction | 243 | Stellarix Consultancy Services |
| 44 | Capgemini | 144 | LG Soft | 244 | Stryker |
| 45 | Cellpropulsion | 145 | Libsys Corporation | 245 | Sun Soft Technologies |
| 46 | Cetpa Infotech | 146 | Lithion Power Pvt Ltd | 246 | SuperDNA Technolab |
| 47 | CG Power & Industrial Solutions | 147 | MAAC | 247 | Synopsys |
| 48 | Chandigarh Distillers & Bottlers | 148 | MAGICPIN | 248 | Systra |
| 49 | CHD Pollution Testing Lab | 149 | Mahindra & Mahindra Ltd. | 249 | Takshashila Consulting |
| 50 | Chicago Bridge & Iron (CB&I) | 150 | Mahindra Comviva | 250 | TalkValley LLC |
| 51 | Chokhavatia Associates | 151 | MAKEMYTRIP | 251 | Tata Consultancy Services |
| 52 | CINIF Technology | 152 | MANNAN IMPEX | 252 | Tata Motors |
| 53 | Claas India | 153 | MAQ Software | 253 | Tata Power |
| 54 | Click Labs | 154 | Mardwari Edu. Foundation | 254 | Tata Project |
| 55 | CoDroit | 155 | Maruti R&D | 255 | TATA Steels |
| 56 | Connected H | 156 | Maruti Suzuki India Ltd | 256 | TCIL |

| | | | | | |
|-----|---|-----|--------------------------------|-----|------------------------------|
| 57 | Connected R&D | 157 | Mentor Graphics | 257 | Technossus Software |
| 58 | CS SOFT SOLUTION PVT | 158 | Mettl | 258 | Tesla Innovations |
| 59 | Cubastion Consulting | 159 | Microsoft IDC | 259 | Tetra Pak |
| 60 | Cummins India | 160 | Mind nudge | 260 | Texas Instruments |
| 61 | Dabur India | 161 | Mobile Programming India Pvt | 261 | Thermal Power Plant PSPCL |
| 62 | DCPCR | 162 | Mobilyte India PVT. LTD. | 262 | Thermax Ltd. |
| 63 | DE Shaw | 163 | Myadvo | 263 | Think & Learn |
| 64 | Deloitte Consulting India | 164 | Nagarro Software | 264 | Think & Learn R&D |
| 65 | Denso International Pvt. | 165 | National Instrument | 265 | ThinkNEXT Technologies |
| 66 | Diesel Locomotive Modernisation Workshop | 166 | NEC Technologies | 266 | Tinymesh Radiocraft |
| 67 | DKOP Labs | 167 | Net IT Systems Pvt Ltd | 267 | Today Milk |
| 68 | Dolcera ITES Ltd. | 168 | Net Max Technologies | 268 | Trident Group |
| 69 | Dusad Transformers and Switchgear Pvt. Ltd. | 169 | Netmax Technologies | 269 | TripShire |
| 70 | Eco Labs | 170 | Netsterz Infotech pvt Ltd | 270 | Uber |
| 71 | Eco Paryavaran | 171 | Newgen Software | 271 | Uber EATS |
| 72 | Edifecs Technologies | 172 | NIC | 272 | United Lex |
| 73 | Edynamic | 173 | NIIT Technologies | 273 | University of Florida |
| 74 | EIL | 174 | NLMK India | 274 | Untravel |
| 75 | Electric Loco Shed | 175 | Novartis Healthcare | 275 | UpGrad |
| 76 | Electrom Solutions | 176 | Nucon Switchgears | 276 | Vacation LABS |
| 77 | EME Technologies | 177 | NXP Semiconductors | 277 | Vardan EnviorNet |
| 78 | Emulation Software | 178 | Okutech | 278 | Vardhan Environet |
| 79 | Engineers India Ltd. EIL | 179 | Omninos | 279 | Varroc |
| 80 | Ericsson | 180 | Oracle | 280 | VE Commercial Vehicles Ltd |
| 81 | ERNST & YOUNG | 181 | Oracle India | 281 | Vedanta |
| 82 | Estee Adviosrs | 182 | Oracle Pvt. Ltd. | 282 | Veenus Software |
| 83 | ET Media Lab | 183 | Orient Electric | 283 | Venusgeo Solutions Pvt. Ltd. |
| 84 | Evalueserve | 184 | Original4Sure | 284 | Vmware Software India |
| 85 | Exicom | 185 | OYO Rooms | 285 | Walmart Lab. |
| 86 | Exl Service (Inductis India) | 186 | PACE Institute | 286 | Webin Infosoft |
| 87 | Exun Innovation LLP | 187 | Panipat Thermal Power Station | 287 | Westline |
| 88 | Federal Mogul | 188 | Parity Infotech Solutions pvt. | 288 | Wheelseye |
| 89 | Fitso | 189 | Paytm | 289 | Whirlpool India Ltd. |
| 90 | Fleet Management | 190 | Peeply Technologies Pvt Ltd | 290 | Winshuttle India |
| 91 | Fortitude Info Services | 191 | Pennybase | 291 | Wipro (R&D) |
| 92 | Frick India Ltd. | 192 | Piford Technologies | 292 | Wipro Technologies |
| 93 | Futures First | 193 | Pix Infotech | 293 | WSP |
| 94 | General Electric Digital | 194 | Pooja Electrotech Pvt Ltd | 294 | Xion Multiventures |
| 95 | GOFRO.COM | 195 | Power Cable Industries | 295 | YapApp |
| 96 | Greyb Research | 196 | Powergrid Corp. Of India | 296 | Yash Papers Ltd. |
| 97 | GSPL India Gasnet Ltd. | 197 | Practo | 297 | Yatra.com |
| 98 | Gwynniebee | 198 | Prakshp | 298 | Yodlee |
| 99 | Gyan Dhan | 199 | Promatics Technologies | 299 | Zedstart Solutions |
| 100 | Havells India | 200 | Proptiger.Com | 300 | ZS Associates |



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.