

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.

2. Accreditation Board for Engineering and Technology (ABET)

The BE Mechanical Degree 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)

The under-graduate programs in Civil Engineering, Electronics & Communication Engineering and Biotechnology are accredited by NBA. Thapar Institute of Engineering & Technology has applied for re-accreditation of its other undergraduate engineering programs after the current accreditation lapsed. The accreditation visits are likely to be completed in 2017.

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 **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 (www.thaparalumni.com). The website provides a platform to alumni to interact and to keep themselves abreast of the latest developments on campus. Alumni Relations/Association Office acts as a primary interface from Institute to alumni-at-large. It also takes the initiates the process of Distinguished Alumnus Award. This award recognizes professional accomplishments of unique nature. This is awarded for the outstanding leadership in planning and direction in their area of work, by administration of major projects, fostering development of young engineers, or by uniquely contributing to society. The Thapar Institute of Engineering & Technology has various Alumni chapters in India and abroad. The National Chapters are at Delhi- NCR; Gujarat; Amritsar; Jalandhar; Patiala and International Chapters are in Dubai and Australia.

The office also maintains data base of more than **20,000 alumni**. Alumni Relations/Association Office encourages interaction with Students, Alumni, faculty and industry by holding lectures, seminars and conferences. Efforts are to generate a brain bank of the professionals from amongst its members and provide its services for the benefit of the Alma Mater, in particular, and the society, in general in cooperation with various departments/Schools. There is an effort to involve Alumni actively in various activities such as Internships and Placements; Mentoring and for facilitating Start-ups. 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. 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.

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)

I. 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.

Note:- 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.

II. Training Programs:

Centre for Training & Development has conceptualized, designed and implemented a comprehensive 'CORPORATE READINESS TRAINING PROGRAM'. The immediate objective of this program is to brace you for campus placements and enable you to secure your dream job! In the long run it aims to acclimatize you to the Industry environment ensuring you to cope up with the challenges in the professional set-up. The program has two main components A & B, depending upon your year of study.

A. Programs open to students of select years

i. Aptitude Accelerator

This program is aimed at enhancing quantitative and verbal aptitude of students. Sessions are conducted on select Saturdays in a three pronged approach- building concepts, enhancing application orientation and mastering test taking techniques.

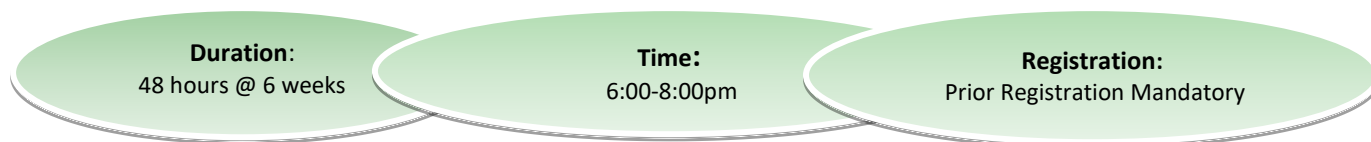


ii. English Enhancer

It is believed that English is truly the world language. With more than 350 million people around the world speaking English as a first language and more than 430 million speaking it as a second language, there are English speakers in most countries around the world. People often call English the international language of business, and it's increasingly true as global trade expands every year, bringing new countries into contact. Most multinational companies require a certain degree of English proficiency from potential employees. At the campus placement level, students with good communicative English skills have a definite competitive advantage over their counterparts.

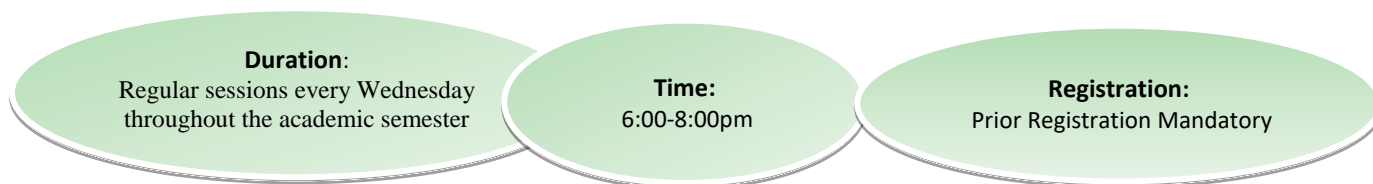
WEEK	MODULE	LEARNING OUTCOMES	METHODOLOGY
WEEK 1	Orientation & Goal Setting		

WEEK 2	Writing	<ul style="list-style-type: none"> ✓ Develop confidence in writing with correct usage & grammar 	<ul style="list-style-type: none"> ✓ Story Writing ✓ Essay Writing ✓ Thematic appreciation through writing tasks
WEEK 3	Speaking I	<ul style="list-style-type: none"> ✓ Develop speaking capability with correct pronunciation 	<ul style="list-style-type: none"> ✓ Interactive exercises on phonetics & pronunciation ✓ Presentations
WEEK 4	Reading	<ul style="list-style-type: none"> ✓ Develop ability to comprehend passages ✓ Improve Vocabulary 	<ul style="list-style-type: none"> ✓ Reading comprehension drills ✓ Grammar exercises
WEEK 5	Listening	<ul style="list-style-type: none"> ✓ Understand conversational English 	<ul style="list-style-type: none"> ✓ Organizing listening tasks (E.g.: playing audio clips) of progressively increasing levels of difficulty
WEEK 6	Speaking II	<ul style="list-style-type: none"> ✓ Develop speaking fluency in a group 	<ul style="list-style-type: none"> ✓ Group Discussions ✓ Group Presentations



iii. Environment Energizer

This Program prepares students to be more sensitive to the environment in which they are operating. The environment comprises various components like Polity, Economy, Technology, Legal, Socio-cultural, Entertainment etc. Students who are aware of the events in these diverse areas are able to project themselves as well informed individuals with a multi-rounded personality. The program aims to provide an in- depth analysis of Current Affairs.



iv. Industry Intonator

The objective of this program is to familiarize students with the Industry expectations and ensure a smooth transition from campus to corporate. These sessions are conducted by Industry professionals with rich corporate experience across diverse domains and functions. The professionals draw upon their learnings & challenges and deliver the sessions in a participative & interactive manner. Case studies and simulation workshops are used to drive the sessions.

CONTENTS OF PROGRAM

- Leadership Skills
- Negotiation Skills
- Planning & Prioritization
- Interpersonal Skills
- Conflict Management
- Corporate Etiquettes
- Sector Specific Inputs

- Sessions will be conducted at least once a month by Industry Professionals
- Date will be communicated a week in advance depending upon the availability of resource
- Prior Registration mandatory

v. SKILL STUDIO

The program comprises sessions aimed at sensitizing students with respect to the gamut of skills which facilitates them to enhance their employability quotient and do well in the professional space. These skills are imperative for students to establish a stronger connect with the environment in which they operate. An understanding of these skills enable students to brace up for professional and life success.

Contents of Program

Emotional Intelligence: Understanding Emotional Intelligence (EI); Daniel Goleman's EI Model: Self Awareness, Self-Regulation, Internal Motivation, Empathy, Social Skills; Application of EI during Group Discussions & Personal Interview; Application of EI in personal life, student life and at the workplace

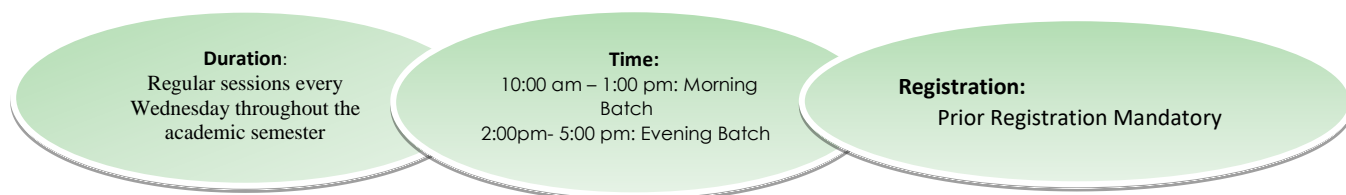
Team Dynamics & Leadership: Understanding the challenges of working within a team format in today's complex organizational environments; Stages of team formation; Appreciating forces that influence the direction of a team's behavior and performance; Cross-functional teams; Conflict in Teams- leveraging differences to create opportunity Leadership in the team setting & energizing team efforts; Situational leadership; Application of team dynamics & collaboration in Group Discussions; Application of team dynamics at the workplace

Complex Problem Solving: Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions; Understanding a working model for complex problem solving - framing the problem, diagnosing the problem, identifying solutions & executing the solutions; Appreciation of complex problem solving at the workplace through case studies

Lateral Thinking: Understanding lateral thinking & appreciating the difference between vertical & lateral thinking, and between convergent & divergent thinking; Understanding brain storming & mind-maps; Solving of problems by an indirect and creative approach, typically through viewing the problem in a new and unusual light; Application of lateral thinking during Group Discussions & Personal Interviews; Application of lateral thinking in college projects and at the workplace

Quantitative Reasoning: Thinking critically and applying basic mathematics skills to interpret data, draw conclusions, and solve problems; developing proficiency in numerical reasoning; Application of quantitative reasoning in aptitude tests

Verbal Reasoning: Understanding and reasoning using concepts framed in words; Critical verbal reasoning; Reading Comprehension; Application of verbal reasoning in aptitude tests



B. Programs open to students of select years

i. Corporate Connector

This is a carefully crafted program with specific thrust on the requirements of select companies visiting the campus for placements. Sessions are planned in a way so as to simulate the exact selection process followed by a company during the placement drive. Simulation is based on past trend analysis and student feedback over the years. These sessions are conducted on weekdays and the scheduling depends on campus visit dates of various companies.



ii. Placement Preparator

This program is specifically designed to give practice sessions on Group Discussions (GD) / Case Studies (CS) and Personal Interviews (PI) It is assumed that students coming for these sessions are well versed with the theoretical concepts of Group Discussions / Case

Studies and Personal Interviews. Sessions are conducted by Industry experts with proven domain experience. Sessions on Group Discussions/ Case Studies are conducted in batch sizes of 12-15 students to simulate actual conditions. Each discussion is followed by comprehensive feedback on individual performance, group performance and content. Personal Interview sessions are also conducted under near real situations. Students are engaged for a sufficiently long time to assess them thoroughly. These sessions also entail a strategic feedback on performance followed by a detailed action plan.



iii. Placement Symposium

This is an event for final year UG and PG students, where exhaustive concept and practice GDPI (Group Discussion and Personal Interview) sessions are organized for the participants, with a comprehensive performance feedback, enabling them to bridge the gap between actual and expected levels. It is organized in the beginning of the odd semester before the placement season kicks off and is a 5 day program. Each of these days, students of a different branch are trained on employability related challenges. Day long concept sessions are held ; there are five sessions in all spanning across one and a half hours each: "Marketing Yourself", "How to excel in Group Discussions", "How to excel in Interviews", "How to brace up for Aptitude Tests" and "Preparing a winning Resume". Simultaneously, students are made to participate in Group Discussions, Case Studies and Interviews; every student gets to experience one GD, one Case Study and one Interview. The sessions are conducted by in house team as well as professionals with relevant experience; these professionals represent diverse facets of industry and academia and include trainers who are entrepreneurs, established authors and are from premier institutes like the IIMs. On the last day, an Aptitude Test is organized, covering Quantitative, Verbal, Logical & Technical Sections. Each student is evaluated on a scale of 100 based on his/her performance in GD/Case study, Interview and aptitude test.

iv. Summer School

This program is targeted at students who have completed their pre final year of studies and are on the threshold of entering the final year. Sessions are spread across six weeks from last week of May to first week of July (summer break). The objective is to familiarize students with the various tools employed by companies to assess/select students during campus placements.

Contents of Program

Aptitude: Quantitative Ability, Data Interpretation, Logical Reasoning and Verbal Ability

Soft Skills: Group Discussions, Case Studies, Personal Interviews

Life Skills: Collaboration, Critical Thinking, Leadership, Decision Making, Time Management, Stress Management



III. Infrastructure

Centre has the following facilities:-

- o Seminar/Training Room

- Mentoring Room
- Test Conducting Zone

IV. Team Members:

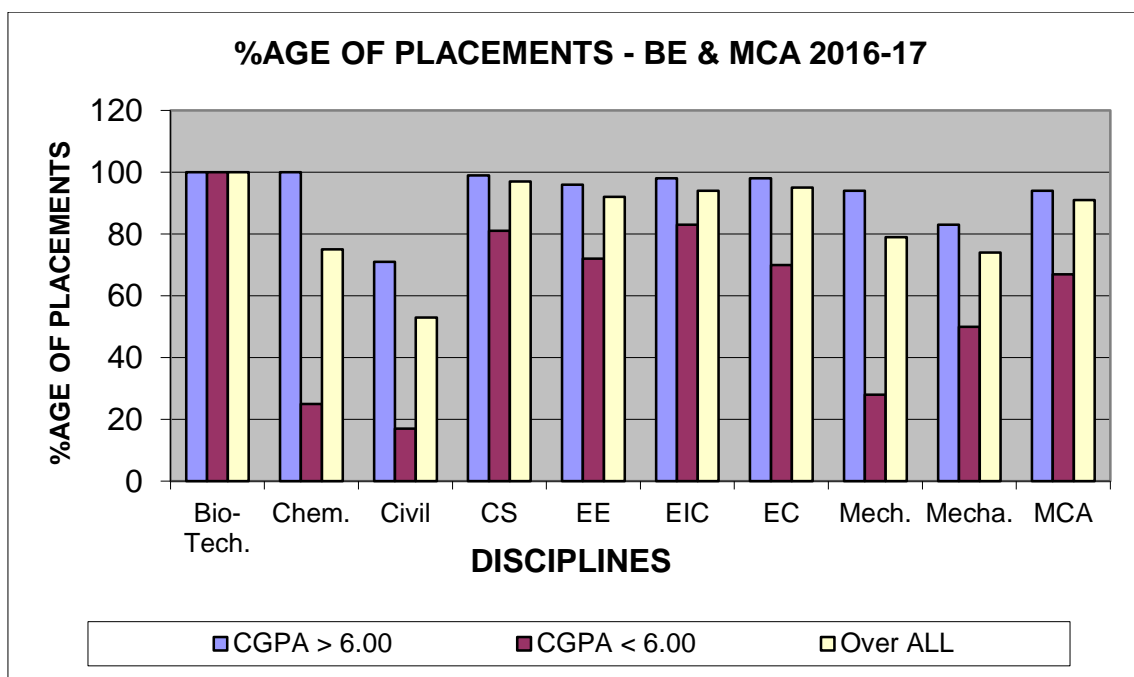
- Sanmeet Sidhu- Head
- Neha Singh – Program Coordinator
- Vikramjeet Singh – Administrative Coordinator

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 2016-17 is as under till December 31, 2017.



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 300 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.

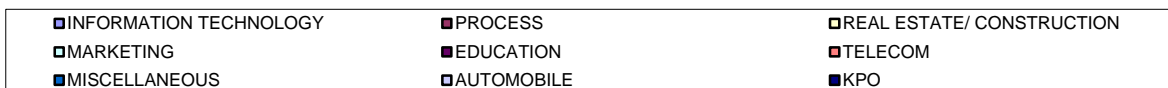
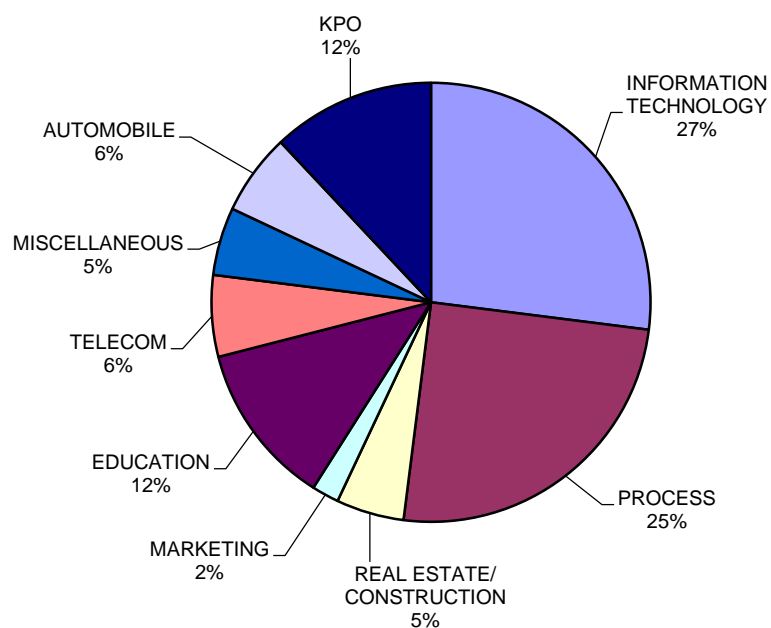
For the students graduating and post graduating in 2018, 117 organizations have so far visited our Institute and offered placements to 694 students through campus interviews till date.

ORGANIZATIONS VISITING FOR CAMPUS RECRUITMENT

1	Microsoft IDC	90	IOL Chemical & Pharmaceuticals	179	Estee Advisors Pvt Ltd.
2	Tata Motors	91	Paxcom India	180	Estee Advisors Pvt Ltd.
3	Alstom Transport	92	TT Consultants	181	Xenon Stack Pvt. Ltd.
4	Royal Bank of Scotland	93	Squadrun Solutions	186	PSIT Kanpur
5	Royal Bank of Scotland (R&D)	94	IBM	187	TATA Projects Ltd.
6	Works Applications Co.-Japan	95	Aakash Educational services	188	Brainedge Education
7	Amazon	96	Newgen Software Tech.	189	India Mart Intermet Ltd.
8	DE Shaw	97	JDA Software	190	I ball Research
9	Arcesium India	98	Jubilant Life Sciences	191	Chicago bridge & Iron (CBI)
10	Whirlpool	99	Orient Electric	192	OMICS International
11	Walmart Lab.	100	Spineor	193	Trabug
12	Zomato	101	Honda Motorcycle & Scooter	194	Sprinklr India Pvt Ltd.
13	Maruti Suzuki India Ltd	102	Century Link Technologies	195	Ziasemiconductor
14	Gwynniebee	103	My Advo Tech Serve Pvt. Ltd.	196	consort Builders
15	Sandisk Corporation	104	Debut Infotech Pvt. Ltd.	197	Autoninja
16	ZS Associates	105	Nucleus Software Exports	198	Busibud solutions
17	Juniper Netwroks India	106	Royal Enfield	199	Marwardi Education Foundation Group
18	HSBC software Development	107	Cubastion Consulting Pvt. Ltd.	200	Decathlon
19	Shapoorji Pallonji Ltd	108	Lakshya Institute	201	Rayat Bahra
20	Samsung R&D Bangalore	109	Adobe	202	Intel Corporation
21	ISGEC	110	NIIT University	203	Ostro Energy Pvt. Ltd.
22	Informatica Corporation	111	Spectra Medix	204	Sigma S.M.S
23	Black Rock	112	Crompton Greaves Ltd.	205	Tekizma India Solution
24	Okutech	113	Agilent Technologies	206	Atotech Development Centre
25	General Electric Digital	114	Federal Mogul India	207	Triune Energy
26	Amadeus Software Labs. India	115	Fiserv India	208	Centrodorstroy India
27	Ascentx software	116	Spice Digital	209	Denso Corporation
28	Futures First	117	Software AG	210	Bosch Ltd.
29	Axtria India Pvt.	118	SRF Ltd.	211	Yamaha Motors
30	Deloitte Consulting India	119	Development Bank of Singapore (DBS)	212	Protiviti Middle East UAE
31	Edelweiss Financial Services	120	Zydus Cadila	213	Cisco Systems India
32	ION Trading India (Fin Software)	121	Xion Multiventures	214	Cell Propulsion
33	Evive Health	122	Allan Lloyds Group	215	ARM Embedded Tech.
34	Exl Service (Inductis India)	123	Edynamic	216	Limeroad
35	MU Sigma	124	Om Careers	217	HDFC Ltd.
36	Naukri.com	125	Reliance Pertochemical Industries Ltd.	218	Vardhman Textiles
37	Oxigen services Pvt.	126	DIT University, Dehradun	219	Burger Singh
38	Click Labs	127	B & S Engineering Consultants Pvt. Ltd.	220	Smart School Edu. Pvt. Ltd.
39	Jugnoo	128	Akal Academy	221	T.I.M.E.
40	United Health Group	129	J Mitra	222	Adesh Institute Of Tech.
41	Blackngreen	130	Chegg	223	Policy Bazaar
42	Honda Car	131	Infomaths	224	Aditya Birala Insulators
43	J.P.Morgan	132	Connect2teach	225	Ind-Swift Laboratories
44	Varroc Group	133	Azue Power	226	Systra
45	Proptiger.Com	134	Saviance Technology	227	Knowledgentia
46	VE Commercial Vehicles	135	WSP Group	228	Cynet System
47	NXP Semicondutors	136	Pump Kart	229	National Institute of Solar Energy (NISE)
48	Kuliza	137	CoCubes	230	Svasca Industries Ltd.
49	Integreon (Grail Research)	138	Clear Tax	231	Stifen Chemical Ltd.
50	Mahindra Comviva	139	Telcoma Technologies Pvt.	232	Punjab Energy

51	Schneider Electric Ltd	140	Mentor Yes Educational consultant	234	Siemens Ltd.
52	Asian Paints	141	Frankly Inc	235	Net mex Technology
53	NIIT Technologies	142	Hindustan times Media Ltd	236	Sterling & Wilson
54	Edifecs Technologies	143	Gyan Dhan	237	A2IP Pvt. Ltd.
55	Tavanto Technologies	144	Evok Analysis	238	Avon Meters
56	Nagarro Software	145	NameKart.com	239	Ardison Associate
57	Reliance Industries Ltd.	146	AppDirect	240	Amson Transformer
58	Advantage Club	147	ET Medialabs Pvt. Ltd.	241	Mckinsey & Co.
59	Amdocs	148	Trantor Software Pvt. Ltd.	242	Auto Mation Systems
60	Wipro Technologies	149	Untravel	243	Mubasa Electrical
61	Sapient Nitro	150	Addverb Technologies	244	Labtone Software
62	TCS-DESS	151	Soft Prodigy Software Solutions	245	GS Auto
63	Exicom Tele Systems	152	CS Soft Solutions	246	reckitt benkiser
64	Anand Group	153	Solitaire Infosys	247	Advance Tech
65	SML Isuzu Ltd. (Swaraj Mazda Ltd.)	154	Megri Soft Limited	248	Tinymesh
66	Myntra Design	155	Webner Solution Pvt. Ltd.	249	Pepsico India Holding Pvt Ltd.
67	ST Microelectronics	156	Keysight Technologies	250	Schender Electric
68	SAP Labs	157	Basware Corporation	251	Siemens Technology
69	Mahindra & Mahindra	158	Elite Smart Care Solutions	252	Jindal Steel
70	Larson & Turbo Const.	159	Nerdapp Labs	253	Procter & Gamble
71	Elucidata	160	Pisoft Informatics Pvt. Ltd.	254	ITDOSE Infosystems
72	Texas Instruments	161	Drish Infotech Pvt. Ltd.	255	Shop Clues.Com
73	Synopsys	162	Tata Power-DDL	256	197 Communication
74	Azcom Technology	163	FITSO	257	DKOP Labs Pvt. Ltd.
75	Steel Strips & Wheels	164	Mettl	258	Trabug LLP
76	Hindustan Zink (Vedanta Group)	165	Nav Gurukul	259	Exicom
77	Samsung R&D (Noida)	166	Eat Treat Food Pvt. Ltd.	260	CTR LDH
78	Tinymesh Rediocrafts	167	Security Weaver India Pvt.	261	Delhi Matro
79	Shore Tel Inc	168	Advisor Logic	262	ETDC Mohali
80	United Lex	169	Megictap	263	Tech Mahindra
81	Infogain	170	Infineon	264	Indoaryan Beverages
82	Libsys Corporations	171	Oracle Corporation	265	Hashcode Prog Pvt. Ltd.
83	HCL Technologies	172	Gail India Ltd.	266	Cashkaro.com
84	Think & Learn	173	lovely Professional Uni. (LPU)	267	Trestor Infotech
85	Tata Consultancy Services	174	Poorima University	268	Playbuff Studios
86	Infosys Technologies	175	Winshuttle Software	269	Indiabulls
87	Philips lighting India	176	Silver Peak Golbal	270	1st Spin
88	Hero Motocrop	177	BCH Electric Ltd.	271	EME Technologies
89	Roots Analysis	178	Mindstone Maven	272	IDS Infotech Ltd.

SECTORWISE PLACEMENT 2016-2017



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.

ACCREDITATIONS & RANKINGS

Accreditation Board for Engineering and Technology (ABET) Accreditation

The BE Mechanical, Civil and Electronics & Communication engineering programs of Thapar Institute of Engineering and Technology, Patiala received the prestigious ABET accreditation as a confirmation of meeting the Global Standard of Technical Education. ABET, Inc., is a non-governmental 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. In November 2017, ABET expert team visited TIET to accredit two more UG programs, Chemical and Electrical Engineering and official results are awaited.

NBA Accreditation

Four undergraduate programs, Mechanical, Electrical, Computer and Chemical Engineering were accredited by National Board of Accreditation for a period of three years under Tier-1 category.

Rankings

- Thapar Institute of Engineering and Technology has been ranked at **26th position** in the list of top 100 Engineering Colleges by National Institutional Ranking Framework (NIRF) set up by the MHRD.
- This year we have featured in the Times Higher Education World Rankings 2018 in 801-1000 category. More importantly, we have been ranked joint 18th in 42 institutions ranked from India. We have also been ranked at 210th position in the prestigious QS Asia rankings this year.
- Thapar Institute of Engineering and Technology has been ranked 137th among 300 institutions from 5 countries in QS BRICS University Rankings 2018.
- Thapar Institute of Engineering and Technology was ranked in all other recent surveys conducted by India Today, Outlook, CSR and other national magazines about India's best Technical Institutions Thapar Institute of Engineering and Technology has strongly established itself among the top twenty institutions.
- Thapar Institute of Engineering and Technology received the FICCI Award 2016 in two categories (i) Excellence in Research and (ii) Excellence in Faculty.