



TRAINING AND PLACEMENT COMMITTEE

UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY

SOUTH CAMPUS, PANJAB UNIVERSITY, SECTOR- 25 CHANDIGARH, INDIA.

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Placement

BROCHURE

2019 - 20

UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY

"UIET has been ranked as 54th best engineering college from a list of 904 participating institutions of the country."

Vision and Mission

vision and mission

"To produce professionally competent students for a career in engineering and to provide highly trained manpower ready to meet the ever changing challenges and trends of the industry."



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Prof.

Prof. Raj Kumar



I am delighted to know that placement brochure for the students of University Institute of Engineering & Technology, Panjab University, Chandigarh, is being brought out. I take pride in introducing UIET, Chandigarh as a premier institute of higher education in the region.

The institute has already proved its mettle and is ranked at 54th position among the best engineering colleges in the country. It is the premise on which academic programmes are designed to be effective. Great effort has been made to design a syllabus according to the industry requirements. Effort is also made to develop communication skills and group cohesion skills so that they can perform better in a team. The distinguished faculty at UIET, which forms the most impacting clout in academic and consulting circles, has taken pains to ensure that the students are constantly acclimatised to the dynamics of change and takes his rightful place among future change drivers of industry.

I would like to extend a warm welcome to all industrialists / entrepreneurs managing reputed industrial establishments to visit our campus with a view to recruit the requisite number of engineers from different specializations after going through information contained in the brochure.

I wish the students of UIET a bright and fruitful career ahead.



Prof.

Savita Gupta

I am happy to take this opportunity to introduce you to the University Institute of Engineering and Technology (UIET), an in-campus Engineering Institute situated in the heart of Panjab University, Chandigarh.

Since its establishment, UIET has come a long way and is geared towards a rapid growth. This is possible because of highly competitive students which are selected through an all India entrance test, research oriented faculty and an infrastructure that is most suited towards learning.

Apart from focusing on academics, the institute also lays emphasis on soft skills of students to prepare them for the professional world. Networking with leading organizations and institutes has benefitted the institute hugely in orienting students to R&D activities as per the requirements of industry. Corporate sector has been very forthcoming in assessing UIET students. As a result majority of our students are placed through campus placements. I strongly feel that the industry can benefit from the tremendous potential that UIET has and can further collaborate in creating an industry-academic interface.

I extend an invitation to the corporate sector to participate in the Campus Recruitment Program of UIET.

Prof.

Sarbjeet Singh



The world is evolving at a very fast pace. Current scenario demands the ability to learn, unlearn and relearn things. It has always remained a challenge for academia to produce industry ready people. At UIET, our mission is to produce professionally competent engineers by providing value-based and quality education to students and to make them adaptable to ever changing demands and requirements of the world.

The prime strengths of the institute are the highly competent students, dedicated and research oriented faculty, staff and state of the art infrastructure. Within a short span of time, UIET has proved its mettle by standing 54th among the best engineering colleges in India and has set itself apart as an institute of repute in North India. We share a wonderful relationship with industry as they continue to seek our assistance in various projects where our students participate actively. Today, we have a strong alumni base with presence in almost every major company of the corporate world. We have always fulfilled the expectations of our past recruiters and hope to give our best this year also. We encourage all private and government sector companies to participate in the recruitment process and we are sure that the students recruited will play pivotal role in the growth of the respective organizations.

about Panjab University

*"Aum Asato maa sad gamaya,
Tamaso maa jyotir gamaya"*

*"From ignorance, lead me to truth,
From darkness, lead me to light"*

Panjab university has been ranked no. 1 university in India and 32nd topmost university in Asia and 239th topmost university in the world according to the THE(Times Higher Education) 2013-2014, ahead of IIT Delhi and IIT Kharagpur.

Panjab university has been adjudged the top university on the basis of 84.7% in its citation parameter - the single biggest parameter while being considered for its ranking. This score is even higher than the university of Tokyo which is first in Asia and scored 29.3% in its International Outlook.

According to THE (Times Higher Education) world university Rankings list 2013-2014, Panjab University is closer to the elite group. It is the highest ranked Indian Institute clubbed in the group of universities ranked between 226 - 250 ranks. University campus is spread over an area of 550 acres (2.2 km square) in sectors 14 and 25 of the city of Chandigarh

The University Grants Commission has selected Panjab University for an academic collaboration with Oxford Brookes University as our chosen partner.

HRD Ministry selected PU as a node to be connected to National Knowledge Commission (NKN) with high network bandwidth. The University was also chosen for participating in the project, International Collaboration for Research for elementary particles and the large Hadron Collider (LHC) CERN, Geneva CMS Experiment with a Government of India grant.

about UIET

The UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, a department of PANJAB UNIVERSITY has prospered by leaps and bounds over the years achieving great academic heights besides foraying into the top 50 finest engineering colleges of the country.

Having been taught by one of the best faculties of the region, the students of UIET have been empowered and groomed to take on the rigorous challenges in their upcoming lives. The sincere efforts made by our glorious alumni in the progress of the institute has further strengthened its fundamentals in a short span of time. The atmosphere of creativity and the enterprising attitude of the students has promoted a spirit of innovation. The recent achievements of the students in myriad fields including biotech , mechanical, electrical has set a new trend in the road to establishing a brand name for UIET.

Apart from a healthy academic atmosphere and renowned faculty, the institute provides sample amount of exposure to the students to discover their abilities in the fields of arts, literature and music as it houses a range of literary and cultural committees which have become popular in as well as out of the institute.

departments of

UIET

Computer Science and Engineering

Information Technology

Electronics and Communication Engineering

Electrical and Electronics Engineering

Mechanical Engineering

Biotechnology

Computer Science and Engineering

CSE

The Department of Computer science & Engineering is extremely well equipped in terms of Hardware and Software. It has eight spacious computer labs and more than 300 Intel Core 3 Duo/Pentium IV workstations. Apart from the software required in the curriculum, department has alliance with following to acquire their full range of software. MS Academic Alliance Software, SUN Academic Institute Software IBM academic alliance Following range of software Database Software (Oracle, IBM DB2, MySQL, SQL Server) Platform Development (.NET Platform, J2EE, MATLAB etc) Software Engineering (MS Project, Rational Rose) Server Software (IIS, Apache, SQUID) Specialized Simulators.

Electronics and Communication

ECE

Department of Electronics and Communication is one of the most sought after departments of UIET and boasts of excellent infrastructure. The students are encouraged to take up challenging projects and enhance their knowledge about various aspects of Electronics. The course curriculum is upgraded regularly to keep pace with the changing world of electronics. The Department is well equipped in all aspects and has the following labs: Digital Microprocessor, Microcontroller and Logic Design Lab, Communication Engineering Lab, Mobile and satellite Communication Lab, Optical Communication Lab, Embedded system design lab, Digital signal processing Lab.

- Research programmes in the broad areas of all types of Wireless communication, signal processing, optical communication, antenna system & VLSI design.
- Large number of sponsored research projects funded by Govt and Industrial

Mechanical Engineering

ME

A programme designed to ossify students' concepts, the 8 semester course teaches students the basis of our mechanical studies as well as the latest operation management, research and analysis techniques practised in the industries.

- The latest curriculum and mechanical design softwares to facilitate efficiency, research and to be in sync with the industry.
- Faculty involved in the latest researches in the engineering world.
- Top 4% students from all over India, today with sound technical base, equipped with operational knowledge in design softwares and an extensive industrial experience.

Information Technology

IT

The Department of Information Technology has 5 labs equipped with over 120 computers networked using Ethernet. The IT labs are well equipped with software like Embedded systems Design: Keil RTOS, DSP Based design: MATLAB, Signal Processing Toolkit. Microcontroller Based Design: Microcontrollers Simulation Package RDBMS: Oracle 10g for Windows and Linux, SQL Server 2000 Image Processing: MATLAB Image Processing toolkit, Software Engineering & Project Management: IBM Rational Rose. M/s Bharti telecom have established a Professor Chair in telecommunication and Information Technology. Under the aegis of this chair, Bharti Research and Training Centre is being established.

Electrical and Electronics Engineering

EEE

The program in Electrical and Electronics Engineering is a multidisciplinary course that aims to train engineers in the field of Core Electrical Engineering along with Electronics Engineering & Computer Sciences. The focus of the department is on major areas like - Power, Energy, Machines, Neural networks and control systems, Database management systems. The Department is well equipped and has following labs: Electric machinery Lab, Power Systems Lab, Linear Circuit Analysis Lab, Control Engineering, Microcontroller and PLC lab.

The mission is to prepare professionals with deep understanding of fundamentals of Electrical and Electronics Engineering and to provide a platform for engineering graduates to create and design new products and systems that can help industry and society as a whole.

BioTechnology

BioTech

University of Engineering Technology offers BE, ME and PhD courses in the field of Biotech which has opened opportunities for students to research in their area of interest. Students are able to implement their theoretical knowledge into practical work in our state of the art laboratories that have been set up in Uiet. The students are exposed to a plethora of opportunities and skills in learning various techniques which helps in examining and identification of solutions to the problems. Students are taught indispensable tools, daily tasks related to subjects such as genetic and molecular biology, cell biology, Microbiology and Biochemistry, industrial biotechnology, chemical reaction engineering, thermodynamics as well as bioinformatics and so on.

The different programmes at UIET combine, in right amounts, building the fundamentals and providing an exposure to real industry problems. In addition, the students can also participate in the ongoing research projects at the institute under the able guidance of our experienced research oriented faculty.

Bachelors of Engineering

BE

Duration: 4 years (8 semesters)

Final year project: 6 months (7th semester)

Disciplines: 6 (CSE, ECE, MECH, EEE, IT, BIOTECH)

Internship: 6 months (8th semester)

Admissions: The students are admitted on the basis of their JEE (Main) ranks. Only the top 10% rank holders are able to secure admission in UIET. The curriculum is well structured with a fine balance of theoretical and practical knowledge, and includes 6 months industrial internships to give students an insight into the professional engineering.

Masters of Engineering

ME

This is a four semester programme, where graduate students from various engineering fields are admitted for a further specialization on the basis of GATE exam. The students experience a thorough professional training, powered by research work to develop a strong conceptual base. The specializations are available in 4 streams, Information Technology, Computer Science, Electronics and Communication and Microelectronics. The institute, as is ranked 31st best Engineering College of India, is a centre where innovation meets creativity. This brochure gives an insight into the institute in all respects, as to why and how UIET has grown into a premier institute for technical education in a very short span since its inception.

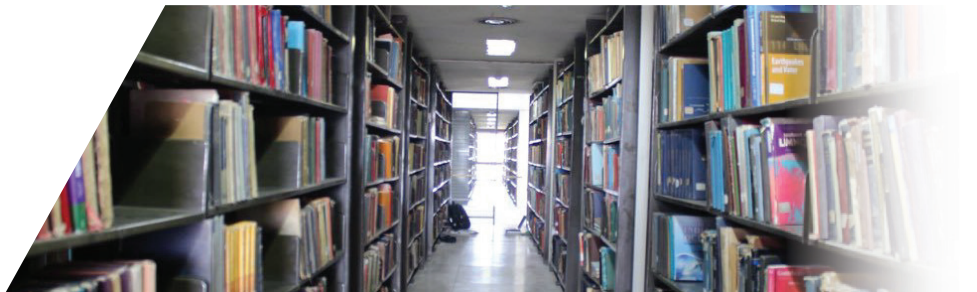
Infrastructure

UIET, as an integral department of Panjab University, possesses facilities and infrastructure at par level in the country. Located amidst wide green fields, it is not just a collection of concrete buildings. Amongst the various facilities provided to the students are:

Library



The library provides the students an ease of access to a wide source of latest technological advances. Besides housing a fairly large collection of books on engineering, management, technology, the library has developed an excellent collection of famous authors, journals and non-course related material. There is a well managed collection of research and publications of the institute. Students also have access to A.C. Joshi Library, which, having a collection of over 670,000 books and 660 periodicals is one of the largest in the country. The University Library is connected through an inflibnet with all the departments on the campus which allows them to avail the Library's online facilities.



Workshops

The Mechanical department has a separate wing of 8 workshops with latest equipments which includes Machine shop, Fitting shop, carpentry shop, welding shop smithy/forging shop and foundry shop.

Infrastructure

Labs

16 lecture halls with capacity of 150 students each, 16 Classrooms, 13 computer labs, separate AUTO-CAD labs, 4 electronics labs, 4 electrical labs, 4 mechanical labs and 6 biotechnology labs.

All the branches have their separate branch-specific labs which have been equipped with the latest equipment and software to enable the students to gain intensive insight into the practical aspects and application of engineering by providing them with the means to implement the fundamentals and concepts of classroom learning in a practical environment. The 12 Computer Labs in total on the campus are equipped with latest workstation and peripherals. Peripherals include Laser printers, scanners, external DVD writers etc for the use of students. Similarly, the departments of Biotechnology, Electronics and Comm. and Electronics and Electrical Engg. have their own specialized labs.

Internet Facility

The campus is fully covered under a Wifi Network originating from the University Computer Centre hosting Gigabit switch through optical fibre. UIET campus also possesses its own State-of-the art WIFI network with dedicated 20Mbps raw bandwidth internet connectivity. The University is part of Government of India's National Knowledge Network (NKN) project under which the University students and staff are interconnected through an extremely high speed Intranet.

Other Facilities

- ❑ The Academic Activities are announced through a system of e-bulletin boards in each Academic Block.
- ❑ A Conference Room fully equipped with Projector, LCD display and Address equipment is available for conferences and lectures.
- ❑ A 120 capacity air conditioned hall for holding presentations and interactive sessions.
- ❑ A 500 capacity air conditioned university auditorium.

student

ACHIEVEMENTS

Smart India Hackathon

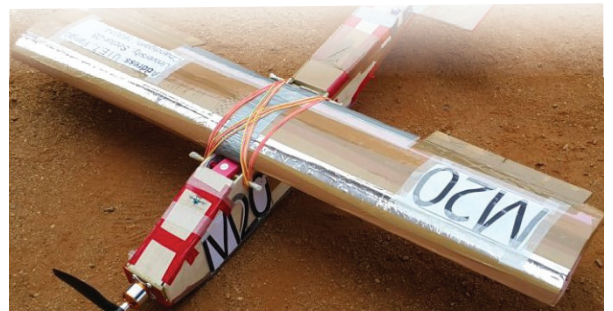
UIET managed to grab first rank in Smart India Hackathon 2019, Software edition in problem statement of Ministry of External Affairs.

SAE BAJA INDIA

UIET is participating in BAJA for the past 5 years and has had quite a success in it. Our team has won many cost awards in recent years i.e. the most economical vehicle and prizes worth about INR 60,000, beating oth-engineering colleges such as PEC, IITs and NITs in this category. 1st in cost report.

SAE NIS EFFICYCLE

UIET achieved 8th position out of 230 teams in 2013 , 4th position out of 120 teams in 2012 and 5th position out of 61 teams in 2011; beating PEC, IITs and NITs at various levels.
Overall Rank, Black Martin - 40



Student Participation

Google Summer of Code : Many selections in GSoC and season of KDE in past years.

NASA Great Moonbuggy Race: Our team ranked 3rd among the team from India and an overall of 27th from 130 teams worldwide.

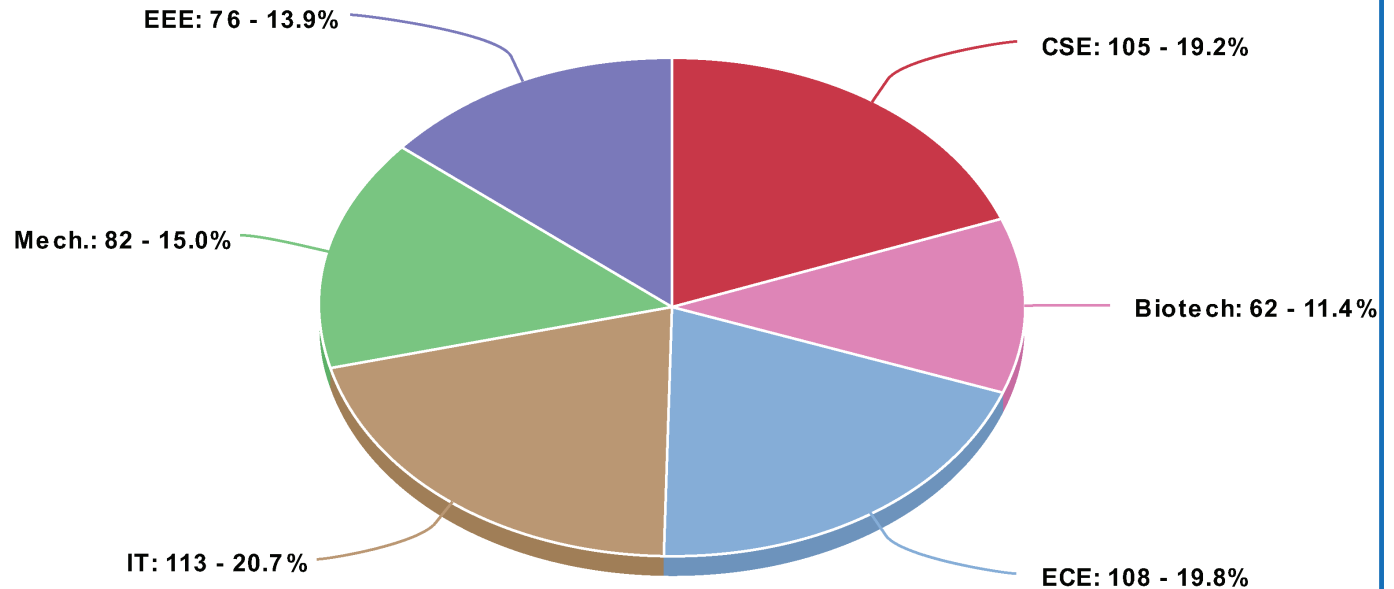
E-Yantra : UIET's team managed to be in top 5 in the overall competition.

ACM-ICPC International Collegiate Competition: Student qualified the regional stage of the competition in 2017 as well as 2018.

Other Achievements

- ❏ **MEGA ATV CHAMPIONSHIP:** Achieved 51st rank and completed Endurance.
- ❏ **GOKART 2018:** 24th position in International Series of Karting, Vizag.
- ❏ **VIMANTRA:** Achieved 1st position in VIMANTRA for building a robot which could identify all the elements in the soil using LabView.
- ❏ **Techfest(IIT-Bombay):** 1st position in robowars, Techfest. IIT-Bombay.
- ❏ **AWIM:** The award winning A 'World In Motion(AWIM)' program brings science, technology, engineering and mathematics (STEM) to life right in classroom.
- ❏ **VIMANTRA:** Achieved 1st position in VIMANTRA for building a robot which could identify all the elements in the soil using LabView.
- ❏ Students who cleared **RHCSA** (Red hat certified system admin) and RHCE (CERTIFIED LINUX ENGINEER) with score 300/300: Shantanu Khandelwal and Lovejot Singh.
- ❏ **Niyantra 2013** held by National Instruments held in chennai in october. It was meant for students doing their bachelors degree. Students had to create something that would simplify the conventional methods of working on something using hardware of National Instruments and their software LabVIEW. Team from UIET with Bhavjeet Singh-ECE 4th year, Bharat Gera-ECE 4th year, Robin Kaul- EEE 3rd year, Siddhartha Kwatra- EEE 3rd year and Rohan Arora-ECE 3rd year as its members came first out of more than 1500 teams that hadregistered.

Demographics

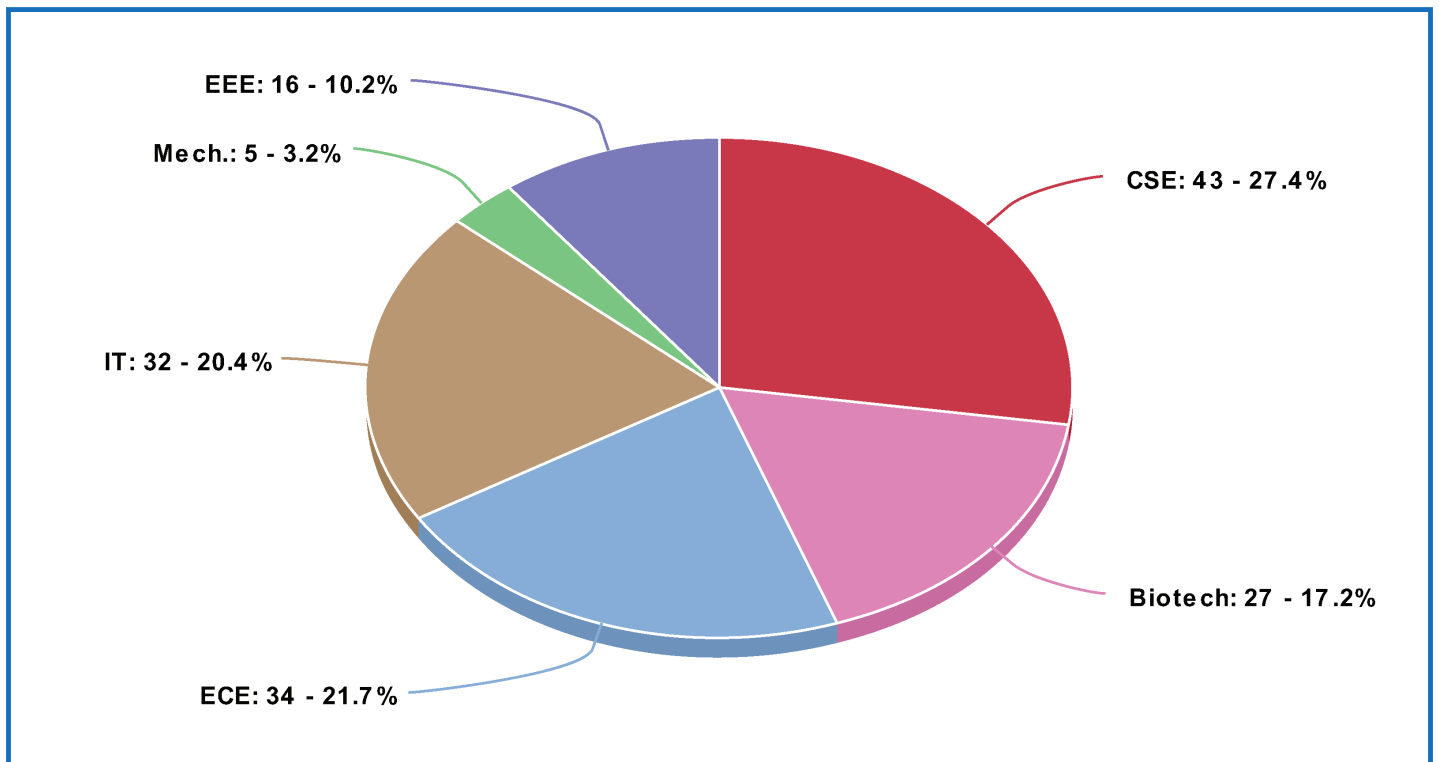


■ CSE
 ■ Biotech
 ■ ECE
 ■ IT
 ■ Mech.
 ■ EEE

Students Breakdown

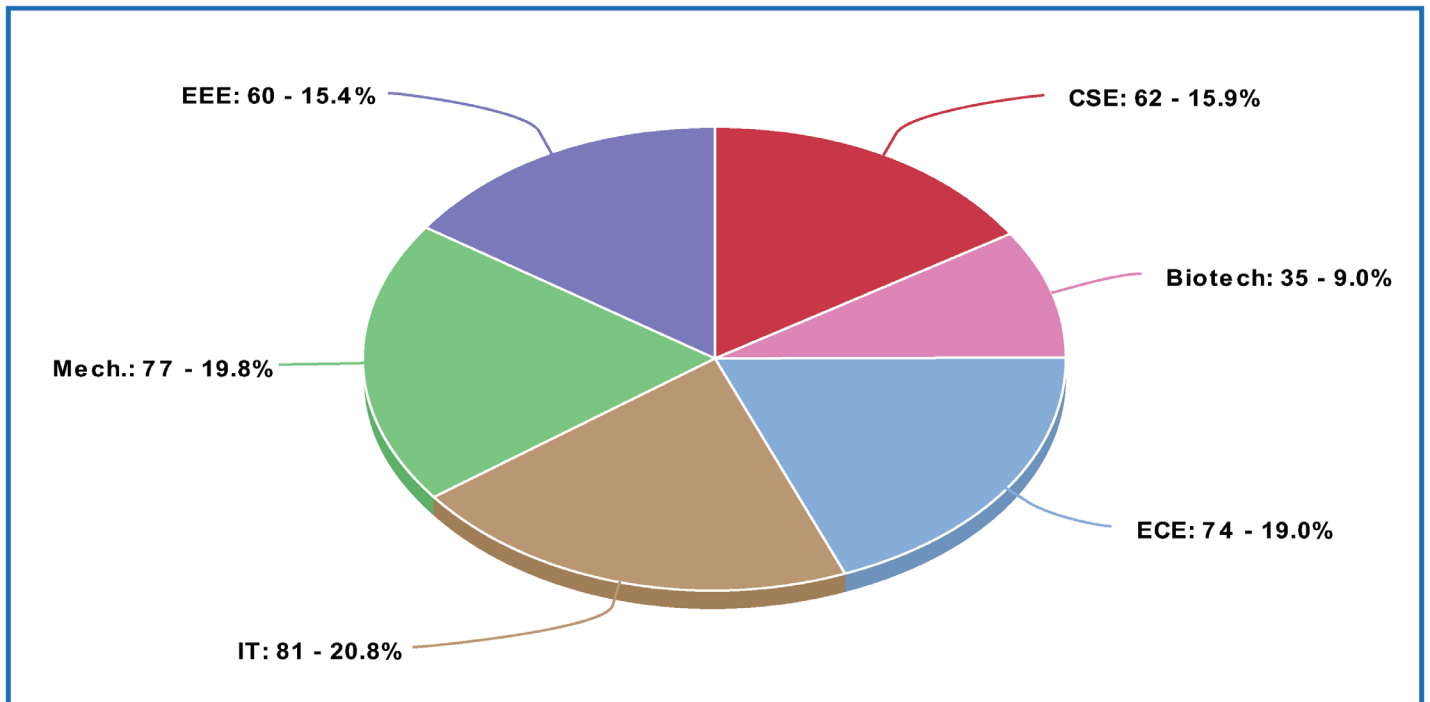
Branch	Total	Girls	Boys
IT	113	32	81
CSE	105	43	62
ECE	108	34	74
EEE	76	16	60
BioT	62	27	35
Mech	82	05	77

GIRLS



CSE Biotech ECE IT Mech. EEE

BOYS



Projects

Within the few years of its inception, UIET has become actively involved in various research and development projects, many of which have been sponsored by national organizations and industries. This has been mainly due to the presence of various up to date technical laboratories which has allowed the faculty, as well as the students to pursue research in a number of diverse fields.

Ongoing

Projects

Digital signal processing (DSP) has been a research topic in the department since 2006 when low a nearpower DSP lab was sponsored by AICTE. The principle DSP research areas comprise data communications, speech and image processing and biomedical signal processing.

Modeling and Simulation of Nanoscale MOSFETs at Room Temperature (RT) and of Classical MOSFETs at Liquid Nitrogen Temperature (LNT) sponsored by Ministry of Communication and Information Technology, DIT.

HUMAN GAIT ANALYSIS: 3D data of patients with different of walking disabilities is collected from AIIMS Trauma Centre using three PS3 cameras and then their GAIT cycle is analysed by extracting various features such as joints angles, step length, etc. A suitable machine learning algorithm can then be applied to automate the system to classify normal or abnormal GAIT. *Project Guide:* Dr. K.K.Biswas, IIT Delhi allowed

Other prominent student and a faculty projects: Mining of hard disks, behaviour mapping of human using the flash Some ongoing projects and research drive data, lung cancer detection works by classifying the segmented nodules, agent based data warehousing for medical data, animal detection in videos, a near-tight approximation algorithm for the Robot Localization Problem in C++ with OpenGL, etc..

R Research Work

Ongoing/Completed Research

Projects

TECHNICAL EDUCATION QUALITY SPONSOR: NPIU, MHRD-NEW DELHI

💰 Budget 10 Crore

👥 Team UIET

DESIGN INNOVATION CENTRE PROJECT-MEDICAL DEVICES AND RESTORATIVE TECHNOLOGIES: MHRD

💰 Budget 1.5 Crore

👥 Team Dr. Prashant Jindal

DEVELOPMENT OF UNIFIED IP BASED COMMUNICATION PLATFORM FOR VOICE, VIDEO DATA AND CHAT SERVICES

💰 Budget 66 Lacs

👥 Team Prof. Sakshi, Prof. Harish, Prof. Sarbjeet, Dr. Naresh

ASSESSMENT OF THE EFFECTS OF BIOSURFACTANTS ON THE VIABILITY OF HUMAN OVARIAN CANCER CELLS: UGC, INDIA

 Budget 6 lacs

 Team Mary Chatterjee

UNVEILING THE ROLE OF HDAC6: A MULTIPRONGED APPROACH TO RESTRICT BREAST CANCER METASTASIS.

 Budget 29 lacs

 Team PI: Dr Sonia Kapoor, Co-PI : Dr Sharvan Sehrawat

PROBING MICROTUBULE REMODELING IN TUMOR ASSOCIATED MACROPHAGES AND ITS IMPLICATION FOR MICROTUBULE-TARGETED CHEMOTHERAPY

 Budget 43.48 lacs

 Team PI: Dr Sonia Kapoor, Co-PI : Dr Sharvan Sehrawat

SILK FIBROIN-BASED HYDROGELS FOR VISCOSUPPLEMENTATION AND CONTROLLED DRUG DELIVERY IN OSTEOARTHRITIS: UGC, INDIA

 Budget 6 lacs

 Team PI: Sonia Kapoor

Research Work

Ongoing/Completed Research

Projects

EXPERIMENTAL DETERMINATION OF THE THERMAL BEHAVIOUR OF SOME NON-CIRCULAR JOURNAL BEARING PROFILES SPONSOR : AICTE, NEW DELHI

 Budget 9.25 Lacs

 Team Dr. Amit Chauhan

DEVELOPMENT OF ARMOUR WIRE TESTER

 Budget 51,525Rs.

 Team Prof. Manu Sharma

SKILL DEVELOPMENT PROJECT ON COMPUTER FUNDAMENTALS FOR STUDENTS FROM ECONOMICALLY WEAKER SECTION OF THE SOCIETY UNDER.: MUNICIPAL CORPORATION (MC), CHANDIGARH

 Budget 3 lacs

 Team Dr.Shankar Sehgal

DEVELOPMENT OF SMART VIBRATION SHAKER PLATE INSTRUMENTED WITH PIEZOELECTRIC PATCHES WHERE SOME OF THE VIBRATION MODES

 Budget 7.00 lacs

 Team Dr.Manu Sharma

Projects &

DEVELOPMENT AND CHARACTERIZATION OF POLYCARBONATE AND GLASS CNT WITH SPECIFIC REFERENCE TO ENERGY SPONSOR: ARMREB, DRDO, NEW DELHI

 Budget 16 Lacs

 Team Er. Prashant Jindal, Dr. Rajesh Kumar

ACTIVE NOISE CONTROL USING ANFIS SPONSOR: UGC SPECIAL ASSISTANCE PROGRAMME (SAP), UGC

 Budget 46 Lacs

 Team Prof. Renu Vig, Er. Manoj Kumar Sharma

TRIBOLOGICAL CHARACTERIZATION OF AL6061 -RED MUD COMPOSITE SPONSOR: DST, SERB, NEW DELHI

 Budget 18 Lacs

 Team Dr. Amit Chauhan.

NANOCOMPOSITE FILMS-PREPARATION, CHARACTERIZATION AND THEIR APPLICATION AS HYDROGEN GAS SENSOR: SPONSOR: ARMREB, DRDO

 Budget 22.45 lacs

 Team Prof. Goswamy, Dr. Menu

R Research Work

Ongoing/Completed Research

Projects

SYNTHESIS AND CHARACTERIZATION OF NANOSTRUCTURED ENERGETIC MATERIALS: SPONSOR: ARMREB, DRDO

 Budget 23 Lacs

 Team Prof. Goswamy, Dr. Menu

DEVELOPMENT OF EFFICIENT FINITE ELEMENT MODEL UPDATING TECHNIQUES: SPONSOR: UGC, NEW DELHI

 Budget 11 Lacs

 Team Dr. Harmesh Kumar, Er. Shankar Sehgal

NANO-FINISHING OF TI ALLOY USING CARBON NANO-TUBES (CNTS) MIXED ELECTRIC DISCHARGE MACHINING, SPONSOR: DST, NEW DELHI

 Budget 10 Lacs

 Team Dr. Harmesh Kumar

HEPATOCYTE FAMILY TRANSCRIPTION FACTORS REGULATION OF POLYCYSTIC KIDNEY DISEASE I GENE(PKD) GENE: UNDERSTANDING AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE.

 Budget 45.415 Lacs

 Team Dr. SanjeevPuri, Vivekananda Jha

Projects &

DEVELOPMENT OF SOFTWARE PROTECTION TOOL SPONSOR: DEPARTMENT OF INFORMATION TECHNOLOGY (DIT), GOVT. OF INDIA

 Budget 15 Lacs

 Team Prof. B.S. Sohi, Prof. Renu Vig

ENERGY AUDITING OF SCHOOLS IN U.T. CHANDIGARH SPONSOR: DST, CHANDIGARH

 Budget 11 Lacs

 Team Er. YP Verma, Dr. Damanjeet Kaur

DEVELOPMENT OF GRID COMPUTING CENTRE FOR DISTRIBUTED APPLICATION SPONSOR: AICTE, NEW DELHI

 Budget 6 Lacs

 Team Prof. B.S. Sohi, Dr. Sarbjeet Singh

MODELING AND SIMULATION OF NANOSCALE MOSFETS AT ROOM TEMPERATURE AND CLASSICAL MOSFET AT LIQUID NITROGEN TEMPERATURE (LNT) SPONSOR: MINISTRY OF COMMUNICATION AND INFORMATION TECHNOLOGY, DIT

 Budget 22.45 lacs

 Team Prof. Goswamy, Dr. Menu

& Research Work

Ongoing/Completed Research

Projects


NEUTRINO MIXING MATRIX, CP VIOLATION, AND MASS MATRICES SPONSOR: DAE-BRNS

 Budget 6.3 Lacs

 Team Dr. Monika Randhawa

ONGOING DIC PROJECTS

Traffic Event Detection using Acoustic Sensors.

 Team: Dinesh Kumar (Research Scholar), Arshvir Kaur (ME CSE), Dr. Naveen Aggarwal

Vehicle classification and Counting using Vision Sensors.

 Team: Dr. Akashdeep, Dr. Ajay Mittal, Dr. Naveen Aggarwal, Dr. Harish Kumar

Traffic Event Detection and Path estimation using Barometer Sensors.

 Team: Anuj Dimri, Harsimran Singh, Samriddhi Singla, Simran Jain (BE CSE Students), Dr. Naveen Aggarwal

Pedestrian Detection using Thermal Sensor.

 Team: Dr. Veenu Mangat, Ms. Roopali Garg, Dr. Yogita, Dr. Ajay Mittal, Dr. Naveen Aggarwal

Bus Event Detection at Bus Stop.

 Team: Akhilesh Kumar (BE ECE), Ankit Kumar (BE ECE), Abhinav Mathur (BE ECE), Nitakshi Sood (BE CSE) Dr. Naveen Aggarwal

Mobility Map of City and data indexing and data layer API formation

 Team: Mankirat Kaur (Research Scholar), Dr. Sarbjeet Singh, Dr. Naveen Aggarwal

beyond

ACADEMICS

Events

Goonj'19



GOONJ is the National level Annual Techno-Literati-Cultural Festival of University Institute of Engineering & Technology (UIET), Chandigarh. It's a reflection of the vibe and the spirit of the institute, showcasing the immense talent the students possess in diverse fields. Events spanning from technical backdrop to literary events and from cultural field to fun interactions, all put together form the two day celebration.

Bio-Camp

Recent developments in molecular and genetic biology, protein engineering, cell fusion and gene expression have changed the perception of the pharmaceutical, agricultural and environmental management. These days biotechnology is used to solve many of the problems resulting from exploitation of resources available to us. To promote quality research in the field of biotechnology by acquainting the students to the latest in the field of biotechnology, a national symposium on "Current Trends and Future Prospects in Biotechnology" was held in November 2016 by the department of Biotechnology, UIET, Panjab University, Chandigarh. The symposium was aimed to provide a common platform for exchange of ideas among academics, researchers, industrialists and students associated with various aspects of Biotechnology. Emphasis was also be given on understanding the current growth and future prospects of biotechnology in India.

ICAER'13

IEEE Student Branch of UIET, Chandigarh organized a Student Conference titled 'IEEE Student Conference on Cognizance of Applied Engineering & Research, ICAER'12'. With the help of this conference, IEEE—UIET encouraged the students to participate in research activities of their field of interest. The theme of this conference involved topics from every background in Engineering, which were flexible allowing students to manuscript for topics they wish for.

Events

Efficycle 2018



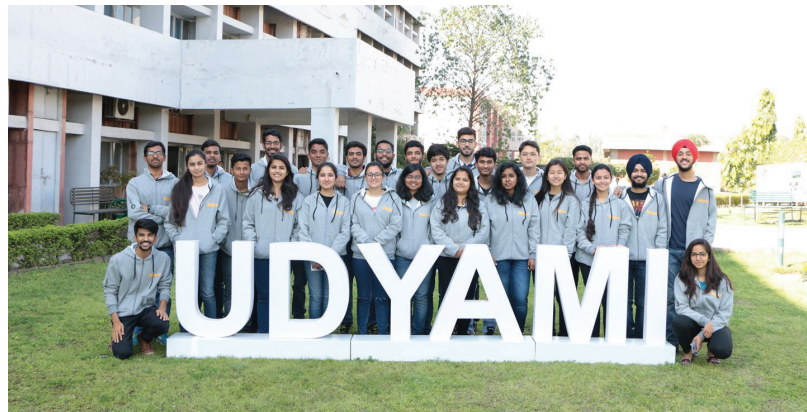
An intercollegiate event organized by the prestigious SAE, EFFI-CYCLE focuses on encouraging the students to design a three-wheeled human-hybrid powered vehicle with the objective of generating a consciousness amongst the emerging engineers towards eco-friendly mobility solutions. The event allows the students to conceive, design and fabricate this 3-tired hybrid vehicle innovatively. The main capability of the vehicle being to be able to be driven simultaneously as well as alternatively by the drivers and an electric drive system.

EFFICARS'16



GOONJ is the National level Annual Techno-Literati-Cultural Festival of University Institute of Engineering & Technology (UIET), Chandigarh. It's a reflection of the vibe and the spirit of the institute, showcasing the immense talent the students possess in diverse fields. Events spanning from technical backdrop to literary events and from cultural field to fun interactions, all put together form the two day celebration.

Udyami



Udyami - Entrepreneurial Crossroads is Panjab University's National Entrepreneurship Summit organised annually by EDC (Entrepreneurship Development Cell), UIET. Udyami aims to bring together entrepreneurs, students, industrialists and investors to create an ambience for new ideas and startups.

The annual Summit includes competitions designed to test and enhance the entrepreneurial skills, workshops and Panel Discussions covering all the major fields of entrepreneurship. UDYAMI 2018 was held on March 10th and 11th with the theme - "Startup's Spectrum", focusing on the myriad of startup opportunities in the world today from fields like food, travel, storytelling to acting, education etc. A series of 7 talk sessions were held encompassing the spectrum theme, including speakers like Anuj Gosalia (Co-founder, terribly tiny tales), Shraddha Bhansali (Forbes 30 under 30, Food entrepreneur), Ankit Sharma (Gsoc mentor and AI expert), Rohit Raj (Founder, The Glitch) etc. The summit had something for all the interest groups from panel discussion on Business 2.0 including speakers like Sandeep Singh Bedi (first Indian producer to win Cannes Corporate Media and TV Awards) and Viiveck Verma (Investor, Hyderabad Angels) to intriguing competitions for the students with cash prizes worth 1 lacs and various workshops on topics like Digital Hacking by the experts from Lucideus Technologies themselves. Despite all the hassle and bussle, the main highlight of UDYAMI remains the STARTUP OF THE EVENT (SOTE); wherein various startups from in and around the city get a chance to pitch their idea in front of a panel of investors and; mentors to raise funding for their start-up, get access to the coolest coworking spaces in Chandigarh



Events

NATIONAL CONCLAVE-2013

The first National Conclave on "Science and Technology in India: Opportunities and Challenges", with the objective to enrich the thought process of young community and guide them towards a brighter future, was organized by UIET. The main motive of this conclave was:

- ❑ To discuss the scalable, technologydriven, sustainable business models in today's flat world.
- ❑ To brainstorm on policies needed to be taken by government, academia, industry and common man for emergence of 'Indian Industry' as a major player in global market.
- ❑ To understand the real problems faced by industry and to motivate academia to undertake them as their research work.

National Conclave saw a gathering of some of the most renowned faces of Indian Academia as well as the Indian Industrial front. The Chief Guests of the event were Mr. Sunil Dutt [CEO, Snowball Technologies and Simpluse Technologies] and Mr. Manoj Chug [President (India and SAARC), EMC Corporation, Noida]. Prof. Hema Sharda [Director of South Asia Relations, University of Western Australia], Dr. G.C. Datta Roy (CEO, Dalkia Energy Services Ltd.), Mr. Sanjeev Gupta (Head HR, Swaraj), Prof. N.S. Chaudhary (IIT, Indore), Mr. Munish Verma [President, Startup Firms], Mr. Ramachandran Prasad [DM, Biocon], Mr. Dinesh Dua [CEO and Director, Nectar Lifesciences Ltd.] were a few among the notable speakers at the panel discussions and interactions held during the two day event.

UIET MUN

UIETMUN 2019 was an attempt to bring together students from various colleges and schools to witness and participate in an educational Conference to help enhance their knowledge and understanding of the United Nations Procedure and its working. It helped the participants to gain the conviction to dissect the nuances of international affairs and to transfigure their thoughts with the power of eloquent speech.

Model United Nations, also known as Model UN or MUN, is an educational simulation and academic competition in which students can learn about diplomacy, international relations, and the United Nations. MUN involves and teaches researching, public speaking, debating, and writing skills, in addition to critical thinking, teamwork, and leadership abilities.

Participants in Model UN conferences, known as delegates, are placed in committees and assigned countries, or occasionally other organizations or political figures, where they represent members of that body. They are presented with their assignments in advance, along with a topic or topics that their committee will discuss. Delegates conduct research before conferences and formulate positions that they will then debate with their fellow delegates in the committee, staying true to the actual position of the member they represent. At the end of a conference, the best-performing delegates in each committee, as well as delegations, are sometimes recognized with awards.



BAJA 2018

BAJA is probably the most prestigious All Terrain Vehicle (ATV) building competition of India. Organized by Society of Automotive Engineers (SAE) India chapter, the event is organized in two rounds. First round is a virtual round where approximately 400 teams from across the nation take part and present a virtual model of their vehicle. Only top 150 teams make it to the second round where they get a chance to fabricate their vehicle and take part in the event.

A team of 25 students headed by Naveen Mangla and Rishabh Panjwani took part in this prestigious competition this year wherein UIET proudly qualified the virtual round with a top notch score and thus making a comeback of UIET into the chase after 2015. Second round was organized in March and the team did their best and proudly represented the college in various events as Cost and Sales presentation, Design Report Presentation and dynamic Tests etc. Agronomics of the vehicle and design was specially praised by judges. Overall, BAJA was a long lost tradition of UIET where once a Podium Finishing Team made its re debut and shall regain its position in the years to come.

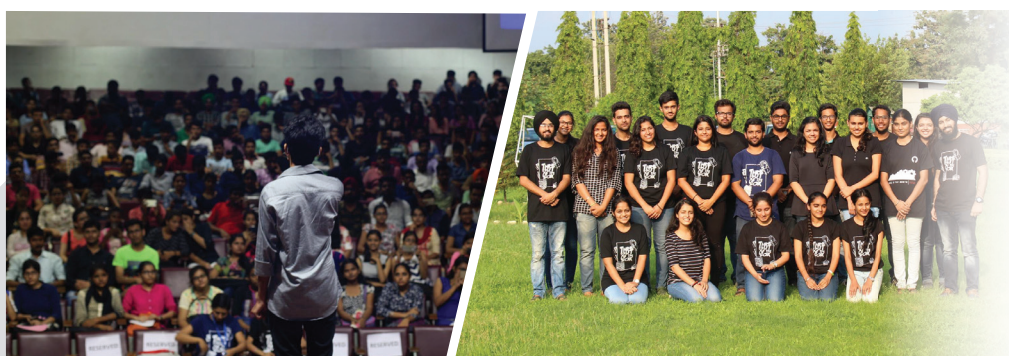
Committees

Magboard



The official college magazine of UIET which has been a huge success over the past few years, the MAGBOARD of UIET has played a vital role in compiling the year round activities and data, including the info about the previous and current semester happenings in a very originaive format. Not only the college magazine. the MAGBOARD also has successfully published VINE, the farewell magazine to passing out 4th years batch by compiling a book full of memories for every students, so that one takes with him a part of their wonderful 4 years to relive all the moments. Apart from publishing magazines, the MAGBOARD has actively organized literary events including debates and quiz during college fest GOONJ, and has successfully accomplished to create an important image for themselves. For all those good at art, quizzing, public speaking, debating and discussions. Magboard has a lot in store for you.

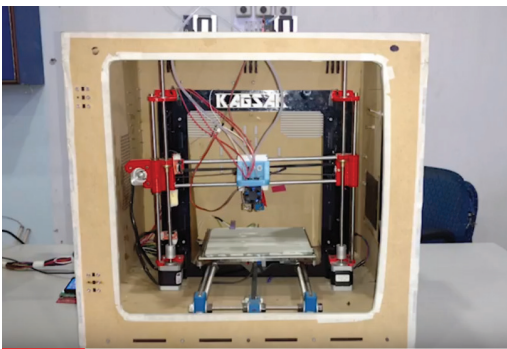
Brand Promotion Committee



Officially founded in 2011, BPC is the youngest UTECHNOS Committee of UIET, Panjab University. BPC help, encourage and coordinate student initiatives in UIET, Panjab University.

The committee's core responsibilities include the full-fledged management of publicity campaigns of prestigious events (like GOONJ, AAVISHKAR, NATIONAL CONCLAVE, etc.) being held in UIET, developing healthy external relations with Media/Companies; mobilizing Alumni Relations. Another cause that has been a major driving force is the need to provide students and its faculty with easily accessible and relevant Information about latest news, events, official announcements, reminders of conference deadlines & notices of upcoming seminars in UIET through innovative online and on-campus platforms in a timely manner.

Design & Innovation Centre



Design and Innovation centre has been setup in UIET by Ministry of Human Resource Development, Government of India and has been endowed with a grant of Rs 1.5 Crore. DIC started in 2015 and is spearheading cutting edge research in the field of Medical and Restorative Devices. Projects under DIC include dental models, implants and aligners using Additive Manufacturing, developing pressure and motion sensing devices for bite-force measurements, devices measuring hand gestures and joint movements, modelling of human mandible and maxilla using 3D-printing, low cost wire-extruding devices and indigenous milling machine for fabrication of dental crowns and implants.

Committees

Entrepreneurship And Development Cell



A pro-active and well-structured ENTREPRENEURSHIP DEVELOPMENT CELL (EDC) has been functioning in UIET since 2011. The E-CELL has now grown to become an authority when it comes to student-run entrepreneurial activities in the entire Chandigarh region. EDC boasts of a robust and adept network of mentors from the industry to its support, which has resulted in a number of entrepreneurial ventures having emerged out of UIET over the years. The cell is pro-active throughout the year & organizes a number of events, including panel discussions, expert lectures & workshops. The annual E-summit, UDYAMI is the flagship event of EDC.

Training And Placement Cell



The training and placement committee of UIET through their concerned and rigorous efforts have been able to get the students placed in one of the best companies of the country. The initiatives taken by the TPC have been remarkable as the percentage of the placed students has gone up ever since the formation of the committee. Sincerity and perseverance shown by both teachers as well as the students have taken the standards of UIET placements to a new level. The training and placement committee has always supported the students in their overall personality development so that the students can handle the pressure not only in academics but also during the time of their placements by instilling confidence and self belief in themselves. Various kinds of workshops and seminars by the students of TPC are regularly held throughout the session giving a lot of exposure to the students about the trends and working knowhow of the professional world. The committee is headed by the training and placement officer, Dr. SARBJEET SINGH whose experience has come to the fore in organising successful placement drives in the recent times, and guidance by him has come of a great benefit for the students to make right choices about their future.

An integral part in building the repute of the college from grass root level to the top is characterised by the representation of students and the hard work that goes in to create that repute. And we do certainly have some of the most excellent student forums and organisations whose support has given a new identity to the institute itself. Not only the seniors but even the faculty members have worked with these committees by devoting their precious time, and their efforts have paid off indeed. It's not only work and only work that we are talking about, once you are into these committees you get to learn and have a wonderful time. A bond between the students and with the teachers that has developed over the years show the mutual sentiments of respect shared by both in the institute. So get ready to learn and have a wonderful time while working.

U-TECHNOS

The primary body that regulates the functioning of all the official committees and student bodies, has done a remarkable work in the recent times to make U.I.E.T respectable name among the colleges in the region

Cultural Committee

Singing, music and stage performance, it's the cultural committee at the helm of getting all their performers ready and organised timely to put up one of the most exhilarating performances and showcase brilliant all round qualities in dance and music by the students of the institute.

The committee has produced some of the best stage performances during farewell, fresher's and GOONJ, which have been highly appreciated by everyone.

Clubs

MITRA



MITRA is a self-funded and non-profitable organization which provides inner peace that is greater than any materialistic gain. Basically, MITRA is the social welfare club of our UIET started by the UIETians in 2004. MITRA has actively provided its services in old Age homes, slum schools and blind schools and also fun events that include funsani , kite fest ,roshni.

Mitra organises events to make people aware about the environment like cleanliness drive , tree plantation. MITRA believes that a helping hand of yours can change the life of a person.

Osmium



The theatre group of UIET have given a new meaning to acting and drama, by giving a chance to all those who have a hidden abilities to act and express themselves on a stage. The recent success of the group speaks for itself as they have won many prizes and accolades in the fests of different colleges of the region. Be it freshers or the farewell, the heart warming and enthusiastic performances by the budding artists of the club have drawn a praise on every stage they have performed. All the students who are good at theatrical skills can certainly look forward to joining the club.

CSI

Computer society of India is an organisation which has been encouraging the students of CSE and IT branches to put their imagination into the field of software development and web developments by working on different programming platforms and languages, so that they come up with brilliant programs to excel in their field of interest.

SAE

Society of automotive engineers chapter in UIET is a perfect platform for the budding mechanical engineers, to learn more than what they are taught, and an open the gearbox of their heads to come up with some great ideas in automation. Recently SAE has been associated with the organising of EFFI- CYCLE which brings in participations from whole of the country, showcasing their abilities of making ergonomically stable and a cost effective vehicle which is judged by a top class jury from various colleges of renowned level and some top automotives company officials. Not only this, the team of UIET in the SAE BAJA event, won the first prize for making the most cost efficient vehicle and won a cash prize of rupees 25,000. Also the team was felicitated by Panjab University with a cash prize of rupees 70.000 for bringing laurels to the institute as well as the University.

SBE

SBE-UIET is an AIChE (American Institute of Chemical Engineers Technological) Community. It has the breadth of resources and expertise that one needs for not only their field but also other fields of technology and management. It was established in University Institute of Engineering and Technology, UIET, Panjab University in September 2009. SBE-UIET offers membership to biotechnology undergraduates and postgraduates, B.Sc. graduates and postgraduates and research scholars studying in tri-city of Chandigarh, Mohali and Panchkula, every year. SBE-UIET conducts expert lectures, Industrial and Educational visits and alumni talks to educate the young minds on what biotechnology has to offer them.

IEEE

One of the largest and perhaps one of the oldest existing professional organisations of the world, the IEEE was found in 1884 to promote advancing technological innovations for the benefit of the society. The UIET chapter of IEEE is an exemplary organisation, which connects and spreads the word about all the latest technological developments concerned to electronics and electrical engineering, and gives a platform to the students to put forth their bright ideas and inculcate innovative spirit. Originally associated to the IEEE organisation the IEEE chapter of UIET is well managed by the current students of senior years, as there are competitions and workshops held on regular basis to promote greater awareness and knowledge among the students. So, the students from electrical and electronics branch are encouraged to join this venture and have a professional and an enterprising I experience.

UIET Rankings

NIRF, MHRD



Parameters



Teaching Learning & Resources

These parameters are related to the core activities of any place of learning...



Research and Professional Practice

Excellence in teaching and learning is closely associated with the scholarship...



Graduation Outcome

This parameter forms the ultimate test of the effectiveness of the core teaching/learning...



Outreach & Inclusivity

The Ranking framework lays special emphasis on representation of women...



Perception

The ranking methodology gives a significant importance to the perception of the institution

IR-2-E-OE-U-0064	Indian Institute of Technology Patna	More Details	Patna	Bihar	52.37	24
IR-6-E-OEMLDP-U-0078	Panjab University	More Details	Chandigarh	Chandigarh	42.68	59
IR-1-E-E-U-0080	PEC University of Technology	More Details	Chandigarh	Chandigarh	39.24	73
IR-1-E-E-U-0092	National Institute of Technology Raipur	More Details	Raipur	Chhattisgarh	37.38	81
IR-2-E-OE-U-0098	Delhi Technological University	More Details	New Delhi	Delhi	46.57	41
IR-5-E-OEMAL-U-0099	Guru Gobind Singh Indraprastha University	More Details	New Delhi	Delhi	36.89	85
IR-3-E-OEM-I-1074	Indian Institute of Technology Delhi	More Details	New Delhi	Delhi	82.18	3

The National Institutional Ranking Framework (NIRF) is a methodology adopted by the Ministry of human Resource Development (MHRD), Government of India, to rank institutions of higher education in India.

Panjab University (PU) has been ranked 20th among universities and 33rd in overall category. Last year, it was ranked 33rd among universities and 54th in overall category.

UIET has been ranked as 59th best engineering college from a list of 904 participating institutions of the country.

Times Higher Education

Times Higher Education World University Rankings is an annual publication of university rankings by Times Higher Education (THE) magazine.

Panjab University has improved its ranking in the Times Higher Education Asia University Rankings 2018 as it has been placed at 10th rank in the country. Last year, it was at 12th rank.

Institute	Ranking in India	Overall Marks
Indian Institute of Science (IISc), Bengaluru	1	49.7
Indian Institute of Technology (IIT) Bombay	2	44.6
IIT-Kharagpur	3	39.5
IIT-Roorkee	4	38.6
IIT-Kanpur	5	36.5
IIT-Delhi	6	36.1
Tezpur University, Assam	7	33.5
IIT-Madras	8	33.2
IIT-Guwahati	9	32
Panjab University, Chandigarh	10	31.5
National Institute of Technology, Rourkela	11	30.6
Jadavpur University, West Bengal	12	30.5
Indian School of Mines, Dhanbad, Jharkhand	13	28.8
University of Delhi	14	28.4
Aligarh Muslim University	15	26.6

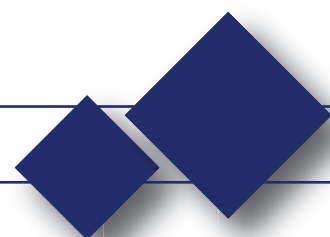
Past Rankings

- ❑ UIET ranked at position 17 among top engineering colleges of North India: THE WEEK 2013.
- ❑ UIET ranked at position 29 among top engineering colleges of India : Outlook professional colleges handbook 2013.
- ❑ UIET ranked at position 10 among top engineering colleges of north India: Go Education Engineering Colleges Survey 2012.
- ❑ UIET ranked at position 31 among top engineering colleges of India: OUTLOOK survey 2012

Past Internships



NTPC	Kirloskar	Persistent Systems Ltd.
Philips	CCMB, Hyderabad	Escorts
DRDO	Air India	Bharti Airtel
Havells India Ltd.	IGIB, New Delhi	Honda Siel
BSNL	UOP Honeywell	HCL
Bulls Eye	NIHFW, New Delhi	Lowenbrau Brewery, Germany
BEL	Delhi Metro	Oceaneering
CSIO, Chandigarh	IVRI, Palampur	Atlanta University, USA
Amtek	JCB	Winshuttle
ONGC	Nectar Lifesciences	Johnsons and Johnsons
Swaraj Mazda	CERN	BHEL
Indian Railways	Effectual Services	Nestle
General Motors	Geneva	DRDO Centre for Airborne Systems
Samsung Engineering	Quarks	Click Lab
Maruti Suzuki	GSOC	DRDO Solid State Physics
Power Grid	SNA Powers	Philips India Ltd.
Toyota	PwC	DRDO Terminal Research and Ballistic Centre
Deloitte	ZS Associates	CopperPod IP
Canindia	GreyB	Grail Research





Past

Recruitments

Bioxcel	Panacea Biotech	UB group
Agile Media Labs	Essar Steels	Samsung Engineering
BSNL	Perkin-Elmer	Unisys
Agilent	Evalueserve	Schneider Electric
Chic Mic	Pernod Ricard	Uno Solutions
Already	Mindtree	Siemens Information systems Ltd
Code Brew Labs	Philips India Ltd.	Volvo Eicher
Ambuja Group	Mu Sigma	SymStream
CodeBibber	Playbuff	Winshuttle
Amtek	Naggaro	Syntel
Dalkia	Power Grid	Wipro Technologies
Aricent	Net Solutions	Tech Mahindra
Deloitte	Procter & Gamble	Z Scaler
Bechtel	Newgen	Technip
DRDO	Quark Media Labs	ZS Associates
BEL	NTPC	TT Consultants
Escorts	Roots Analysis	Face
BHEL	ON Career	U Trade
Gemini Solutions	Grail Research	Grape City
Grey B	HCL Technologies	Hughes Systique
Megastar	Infogain	Larsen & Toubro
Havells India Ltd.	HMEL	IBI Biosolutions
	Infosys	