



IEEE STUDENT BRANCH

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY
Panjab University, Chandigarh
www.ieeeuiet.in



ABOUT US

Nestled in the foothills of the picturesque Shivaliks, Panjab University, with its rich tradition of providing education of the highest quality for the past 130 years in fields as varied as the Arts, Letters, Science, and now Engineering, is rightly regarded as one of the premier universities of the world. It has provided the country with illustrious luminaries and many renowned and respected individuals of the society. It's engineering department is called University Institute of Engineering & Technology, a.k.a. UIET.

Within a mere decade, University Institute of Engineering and Technology (UIET) has managed to carve a name for itself amongst the top engineering institutions of the country. An on campus engineering department of the world renowned Panjab University, UIET was recently ranked the 31st best engineering college in the country by Outlook magazine. UIET has consistently matched, and often times surpassed, the high standards expected from Panjab University in its mission to provide a quality and well-rounded education programme for its students. 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 the respected and glorious Alumni in the progress of the institute has further strengthened its fundamentals in a short span of time. The atmosphere of creativity and enterprising attitude of the students has promoted a spirit of innovation. The recent achievements of the students in the myriad fields like computer sciences, information technology, electronics and communication, mechanical and electrical and electronics has set a new trend in the road to establishing a brand name for UIET, Panjab University. Apart from a healthy academic atmosphere and renowned faculty, the institute also provides ample amount of exposure to students to discover their abilities. Today UIET stands tall among the Titans of educational institutions in our country, making a mark in every field and horizon touching our lives.

IEEE UIET Student Branch

IEEE, the pioneer behind some of the greatest innovations and inventions worldwide, one voice for engineering, computing and technological innovation has also taken its place in the heart of UIETians.

IEEE Student Branch of University Institute of Engineering and Technology, Panjab University, Chandigarh is a part of region R-10 SAC of IEEE society. This student branch is responsible for organizing events, creative awareness about IEEE society. The executive committee of this section is responsible for representing this student section in various annual general meetings in various sections. Inspired by more than 40 bright and enlightening young UIET'ians, who are striving hard for the betterment of humanity and UIET. We are inspiring a new generation of innovation through our highly cited publications, conferences, technology standards, and professional and educational activities.

IEEE UIET 2015 Activities

1. 26th IEEE Delhi Section Quarterly Meet:

IEEE UIET Student Branch successfully conducted the 26th Delhi Section Quarterly Meet on 22nd March, 2015 at the Mathematics Department Auditorium, Panjab University. Different speakers were invited to deliver speech on various topics related to their specialization-

Dr. H.K. Sardana, a scientist at Central Scientific Institute Organisation and a PhD from University of Nottingham, UK delivered an expert talk on : Engineering Infinitude.



Dr. Rohit Y Sharma from the department of Electrical Engineering at IIT Ropar interacted with the students and made them aware about the benefits at our disposal after becoming an IEEE member.

Dr Manjit Kaur who has been a member of the Large Hadron Collider Project's CMS Detector team of world class scientists and physicists also delivered an informative lecture about the same.

Ms .Renu Bhardwaj conducted an interactive Networking and Problem Solving session, which primarily focused on the internal workings of an IEEE Student Branch.

Amidst this stream of speeches and lectures an interesting icebreaker was also included so that the students could gel in the crowd easily. The students enjoyed the ice breaker activities thoroughly and eagerly awaited for the interesting sessions that were to follow.



2. Industrial Visit To Bhakra Nangal Dam

An industrial visit was conducted on 24th april 2015, co-ordinated by Dr. YP Verma, branch counsellor of IEEE UIET. Many students took part in the same and enjoyed the fun and informative trip.

The visit was very fruitful as it improved the students' knowledge of operation of hydro power plant. The students got full cooperation from all the concerned Instructors available at the site of power plant who explained each and every section very interestingly and deeply.

Total expenditure for the industrial visit= 7,428 INR.



3. Embedded System & Home Automation Workshop

Wingfotech Excellence is a leading Training/Workshop provider firm, that has been making a name for itself with its systematic & scientific approach in the field of latest technology covering Electronics/Electrical, CS/ IT, Mechanical, Mechatronics and other Engineering branches.

The workshop comprised of practical exposure for students. It encouraged the students to make their own line follower robots under the guidance of eminent personalities in the field of science & technology. Students from ECE and EEE departments took part in the workshop in good number.



4. IEEE Week Celebration (6th Oct-13th Oct '15)

➤ **Adroit [7th oct]**

Adroit, the annual Inter- College quiz competition of IEEE UIET is an initiative that not only helps test the brain power of the students through mind boggling questions, but also helps in improving their aptitudes for the after graduation examinations like GATE. A number of students from various colleges take part with much zeal and gusto which motivates the student fraternity to organize this event every year with high spirits. This year also a huge turnout was witnessed in the event as was expected.



➤ **Technical Talk - “Thermal Power Plants: Unveiled” [8-9 oct]**

Knowledge is power. In order to celebrate the power of knowledge and commemorate the IEEE day, we conducted a technical talk on the topic of Electricity Generation. This talk lasted 4 hours and covered the following topics: present scenario of electricity generation and distribution in India, process diagram of electricity generation in thermal power plant, fuel system and many others. This workshop was conducted by Mr. J R Rupania, who has had 34 years of unmatched industrial experience. The talk was extremely helpful for people from all disciplines.

➤ **SCADA Workshop [10-11 oct]**

SCADA is the acronym for Supervisory Control and Data Acquisition and is a computer-based system for gathering and analyzing real-time data to monitor and control equipment that deals with critical and time-sensitive materials or events. Being an extremely helpful automation technology in today's world, there lies extreme importance in educating the students about the sea of opportunities that come with learning this software. To make this possible, we propose to conduct an extensive workshop on Schneider SCADA and thus empowering students with the knowledge of this tool.



➤ Self Defense Workshop [13 oct]

All women live with a certain level of risk of violent crime. Statistics show that a woman now 21 years old has a 1 in 4 chance of experiencing a violent crime in her lifetime. The WIE (Women In Engineering) affinity group of UIET strives to groom as many women as possible into self-empowered, zealous and motivated contributors to the society. As a major contribution towards empowering women, not only within our own fraternity but also the rest, we held a self-defense workshop in the college premises. This workshop aimed at boosting the confidence, increasing mental as well as physical strength, improving mental balance, developing a warrior spirit as well as increasing reflexes of a woman or a man, among many other benefits.

Plan of Action (November'15- March'16)

1. Orientation for newly joined IEEE members (Month of November'15)

Purpose of conducting orientation every year for newly joined IEEE members, is to make them aware about the organisation IEEE, its worldwide network along with its benefits we can avail being a student member. Introduce them with IEEE UIET's present execom team and finalising the event calendar with their inputs as well, and work as a team strength towards successful event organisation and management. Keynote words by the Branch counsellor **Dr. YP Verma** sir and Chairperson **Bharat Thakur** to encourage students and share the successful journey of this committee for past years. Event will be followed by ice breaker session.

2. ICAER'15 (14th November'15)

IEEE Student Conference on Cognizance of Applied Engineering and Research- a dynamic platform of annual national conference initiated in 2010. Organised with the purpose of bringing together researchers, scientist, academics and practitioners working in the field of electrical, electronics,

computer science and information technology. We here at IEEE-UIET envision bringing about awareness among the students and encouraging them to participate in research activities of their field of interest.

Website: www.icaer.org.in

3. RAECS (December'15)

RAECS-2015 is the next event, in a series of highly successful International Conference on Recent Advances in Engineering and Computational Sciences-2014 held at UIET, Panjab University, Chandigarh. It is to bring together the scientists, industrialists, and researchers to discuss and exchange experimental and theoretical results, novel designs, work-in-progress, experience, case studies and trending ideas. Key speakers for this event are: Prof. D T Shahani, IIT Delhi, Anu A. Gokhale, Illinois State University.

4. Workshop on Photoshop (Month of December'15)

Photoshop has become the *de facto* industry standard in raster graphics editing. It is used to edit and compose raster images in multiple layers and several color models. Because of its vast support for graphic file format we are looking forward to conduct a workshop on Photoshop for the students to add up new skill to their profile.

5. STAR event (January'16- April'16)

IEEE-UIET WIE Affinity Group aims to impart enthusiasm in school students towards practical knowledge, technical aspects and experimentation of the various concepts. It will include conducting interactive workshops with the students. The various domains to cover will be engineering and technology, time management and self-motivation. The course aims to provide the glimpse of the various aspects related to the computer fields as well. These initiatives will be done in collaboration with govt. schools and NGO's like- Choti si asha & Teach a Child.

6. Industrial visit to thermal power plant (Month of January'16)

PSPCL is the electricity generating company of Govt. of Punjab, India was given the responsibility of operating and maintenance of State's own generating projects. We will be visiting the Guru Gobind Singh Super Thermal Power Plant, Ropar which is a 1260MW (6*210) coal based thermal power plant along with students of EEE department. Having a practical aspect of the engineering subjects gives us the opportunity to analyse the thing practically and such industrial visits are worth for same.

7. Women Entrepreneurship talk by- Aditi Sharma presently working in KPMG (Month of February'16)

As women are now overtaking their male peers when it comes to education degrees is one of the significant characteristics that many successful entrepreneur have in common. The number of self employed women has steadily increased over the decades and begins to emerge into the public eye. With this vision talk will be organised for giving women a new rising career opportunity for them.

8. Technical events in GOONJ'16 (Month of February'16)

GOONJ'16- is an annual techno-cultural fest of UIET, Panjab University wherein IEEE UIET organises its technical flagship events

- Robo wars

- Submerged
- Pick' n place and more..

9. **Seminar on How to write a research paper** by- Dr. YP Verma, branch counsellor, IEEE UIET
(Month of March'16)
