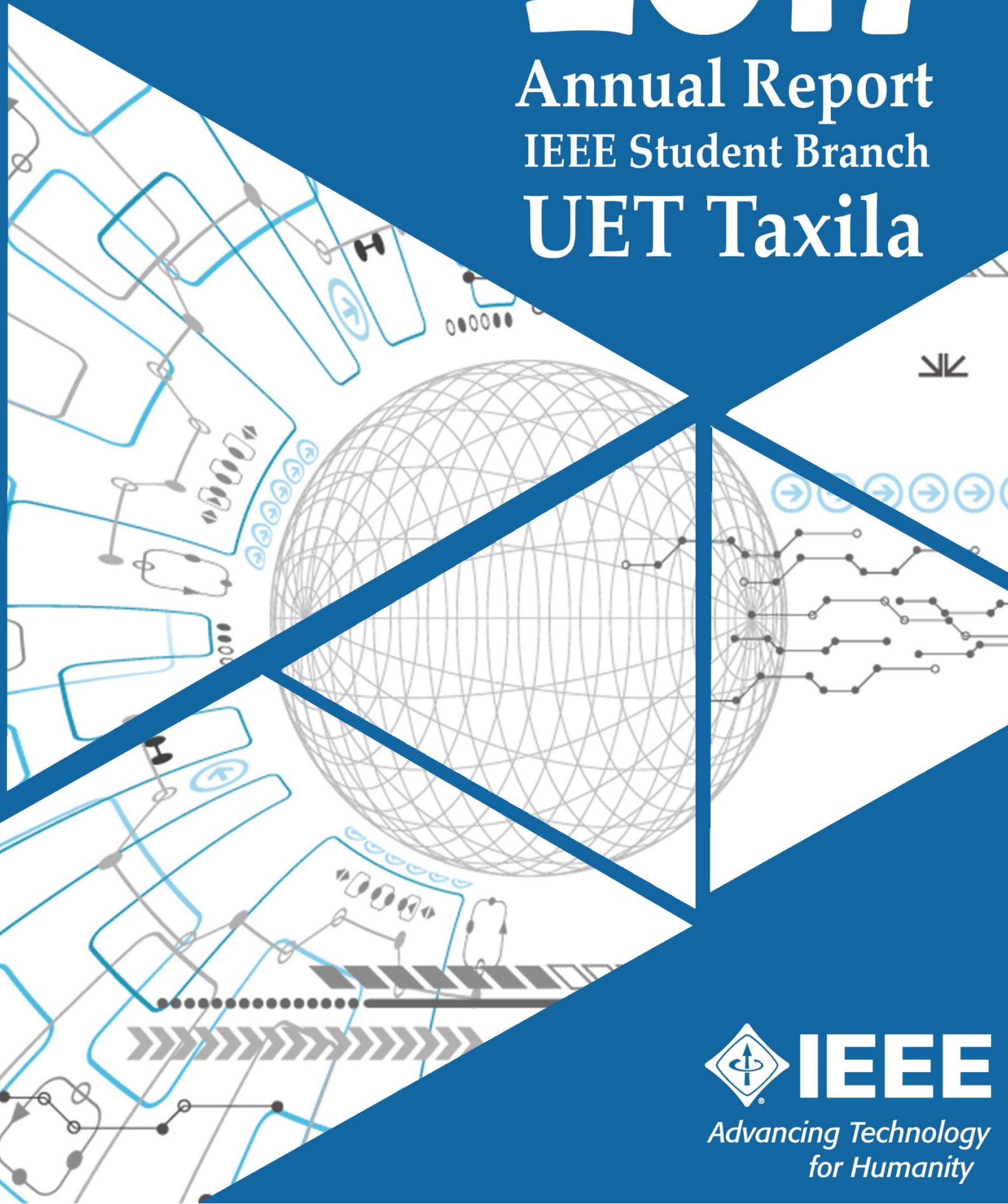




2017

Annual Report IEEE Student Branch UET Taxila



IEEE

*Advancing Technology
for Humanity*



IEEE Student Branch, WIE AG, PES & CES Chapter, UET Taxila.

Annual Events Report, 2017

- **About IEEE:**

The **Institute of Electrical and Electronics Engineers (IEEE)** is a professional association with its corporate office in New York City and its operations centre in Piscataway, New Jersey. It was formed in 1963 from the amalgamation of the **American Institute of Electrical Engineers** and the **Institute of Radio Engineers**. Today, it is the world's largest association of technical professionals with more than 420,000 members in over 160 countries around the world. Its objectives are the educational and technical advancement of electrical engineering, electronics engineering and allied disciplines. IEEE is composed of professional engineers, scientists, researchers and students. A chained network at different level is observed in IEEE, to which IEEE Student Branch at the local universities, is the most basic level.

- **About IEEE UET Taxila:**

IEEE Student Branch UET Taxila is one of the most well-reputed and most successful student branch of IEEE Islamabad Section. The student branch exhibits excellent performance, volunteerism and passion towards IEEE at each level.

We have two technical chapters namely IEEE Power and Energy Society (PES) and Consumer Electronics Society (CES) and Women in Engineering (WIE) Affinity Group at our student branch. Over 150 students are a part of the society as branch/university member and about 100 international members are included in the society. These include student members (graduates and undergraduates), faculty members and senior members.

IEEE UET Taxila arranged a bunch of events on branch, section, council and even regional level to help the students advance in the technology and keep pace with it. Students were engaged and empowered in the field of Science & Technology through various activities like seminars and technical workshops. This report encloses the details of the events in 2017.

EVENTS AND ACTIVITIES



2017

- **IEEE Induction Drive'17:**

Date: January 2, 2017

IEEE UET Taxila conducted interviews for general members for session 2k16, 2k15 and 2k14. Candidates from Department of Electrical Engineering, Electronics Engineering, Computer and Programming, Software Engineering, Computer Sciences, Telecom Engineering & Computer Engineering appeared for interviews. The interviewing committee comprised of the cabinet members as well as the members from the executive committee of the student branch. A huge number of the students appeared in the interview who were short-listed by the committee later.



- **Oath Taking Ceremony:**

Date: February 24, 2017

IEEE UET Taxila arranged oath taking ceremony for the new inductees of the branch. Every participant took the oath to volunteer for the betterment of the society. The newly added members were briefed about the society, its hierarchy, student branch, its standings, achievements and the overall duties and responsibilities of the students as the member IEEE UET Taxila Student Branch



- **Welcome Party for the New Inductees:**

Date: February 24, 2017

IEEE UET Taxila arranged a welcome party for the new inductees of the branch. All the new members were invited to attend the party. A refreshment was also arranged on this occasion. The senior society member also joined the junior member to interact and have some words to let know each other. A get to know activity was also included in this regard.



- **Two-day Workshop on Circuit Designing with Proteus:**

Date: March 9, 2017

IEEE UET Taxila arranged two-day hand on workshop on circuit designing with Proteus. The main target of the workshop was to familiarize the students especially the junior members with the latest software. Proteus is a software tools of latest technology which is used to test the circuit feasibility on computer, instead of implementing it directly on the hardware.



- **IEEE Volunteers Awards Ceremony:**

Date: March 9, 2017

IEEE UET Taxila continued the legacy to appreciate the volunteer and their services to the student branch. In this regard, an awards ceremony was arranged by IEEE UET Taxila to honour the volunteer work of the members of the society on branch level for the previous calendar year. The certificates of appreciation were distributed among the volunteers. Some special awards like Best IEEE Student Member, Best WIE Student Member, Pride of the Performance Awards, etc. were also distributed. All this end up with a mentoring session from the Chairperson, to motivate other students to volunteer even more to get themselves nominated.



- **Workshop on PCB Modelling with Proteus:**

Date: March 16, 2017

IEEE UET Taxila arranged a practical workshop on PCB Modelling using the latest software tools, keeping in view the importance of the simulation software in modern world. Around 40 students participated in the workshop. A sample circuit was implemented on the spot to let the student learn. Proteus ARES was used to implement the circuit. The participants were also briefed about ExpressPCB, another software tool for the same purpose.



- **Elections for Chairperson 2017-18:**

Date: March 22, 2017

IEEE UET Taxila organized elections in the student branch to allow the members of the society select the chairperson for the tenure 2017-18. The elections were organized under the team from the cabinet. As the result of the elections, Furqan Farooq was elected as the Chairperson IEEE UET Taxila for next year i.e. 2017-18. Huzaifa Rizwan was selected as the Chairperson of IEEE PES UET Taxila Chapter, whereas Nabeel Liaqat was selected as the Vice-Chairperson IEEE UET Taxila Student Branch.



- **Cabinet 2017-18 Meeting:**

Date: April 10, 2017

A cabinet meeting was called by the new chairperson IEEE UET Taxila. The main agenda of the meeting included the management and organization of pre-planned events in the student branch, the to-be-improved qualities of the cabinet, some issues and their proposed solution. Everyone was advised to duly and responsibly complete their duties.



- **General Body Meeting for Executive Committee Selection:**

Date: April 11, 2017

IEEE UET Taxila arranged a general meeting for the selection of the Executive Committee for the next whole year. The students were guided for the teams and the duties of each member of Executive Committee. Afterwards, the students were allowed to choose their preferred field. The final year students were selected as the Heads of each volunteering team, whereas the students from third year were to take the responsibilities of Co-Head.



- **Open House and Job Fair'2017:**

Date: April 15, 2017

Open house and Job Fair is arranged every in UET Taxila. The event is composed of the exhibition of the final year project by the final year students. Different multi-national companies were invited on this event. They offer and recruit students from the universities according to their requirement. This year, IEEE UET Taxila volunteered for the organization of the event.



- **Seminar on S.C.I.T:**

Date: April 28, 2017

IEEE UET Taxila arranged a seminar on Scholarships, Internships, Counselling and Training for abroad. Personality from MINZ organization was invited to speak on these topics. Students got to know about the chances of scholarships and how to apply for scholarships and internships. They were guided about how to get training sessions abroad.



- **Cabinet Mentoring Session:**

Date: April 26, 2017

A mentoring session was arranged by IEEE UET Taxila SB for the newly formed cabinet. They were guided how to manage the things at branch, section, national and regional level. In this regard, a meeting of the newly formed cabinet was arranged with Muhammad Talha Bilal, former Chairperson IEEE UET Taxila.



- **Career Management through Personal Development:**

Date: July 24, 2017

IEEE WIE UET Taxila in collaboration with COMPTECH hosted "Career management through personal leadership" seminar by Source Code under SPAA activity. The participants get a chance to train themselves as future professionals that can make their chances brighter for getting a good internship or job.



- **IEEE Islamabad Industrial Biennale:**

Date: May 7, 2017

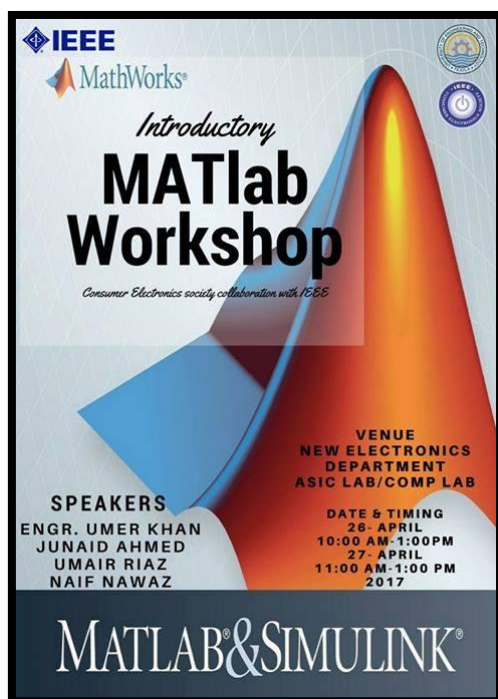
IEEE PIEAS SB in collaboration with IEEE UET Taxila SB arranged IEEE Islamabad Industrial Biennale'17 on the last day of PION'17. It was a collaborative event, in which IEEE UET Taxila managed to invite industries to the event. It was an academia-industry meetup, which include seminars by different industry representatives. They briefed students about the latest requirements of the industry and how one can quickly excel in respective field.



- **Workshop on Introduction to MATLAB:**

Date: April 26, 2017

IEEE CES UET Taxila organized a workshop on MATLAB. The students were familiarized by the basic things and concepts of MATLAB. Certificates of the participation were also distributed among the students.



- **Annual General Meeting:**

Date: May 12, 2017

Annual General Meeting at the Branch level was arranged by IEEE UET Taxila. The counsellor of IEEE UET Taxila Dr. Gulistan Raja along with fellow faculty members also attended the meeting. The cabinet 2017-18 for IEEE Student Branch was announced. Chairperson along with the other cabinet members took the oath. Shields and certificates were distributed among the members of the former cabinet.



- **Farewell 2k13 session:**

Date: May 12, 2017

IEEE UET Taxila Student Branch arranged a farewell party for the passing out member of the student branch. The contributions of the cabinet and other members of the society will always be appreciated and no one can replace such hard working and dedicated volunteer. The event included different tasks, performances and refreshment in the end.



- **Pakistan Independence Day Photographic Competition:**

Date: August 7, 2017

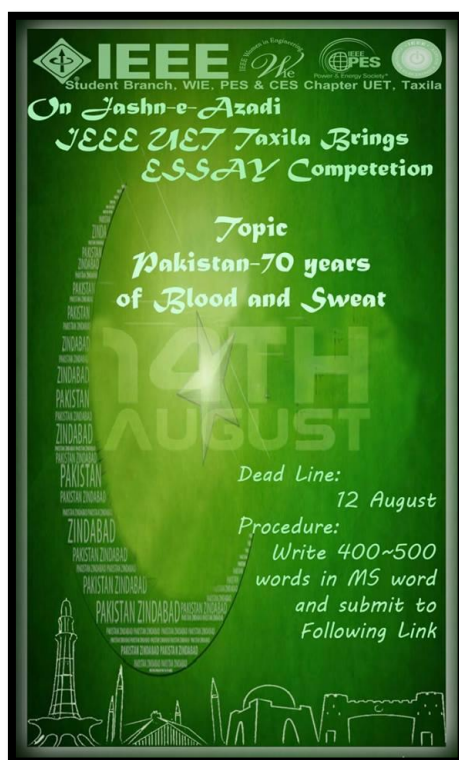
IEEE UET Taxila arranged an Independence Day Photographic Competition to make the celebration of the day more enthusiastic and enjoyable. Students from different batch took part in the competition. The winner was awarded with certificate and a free ticket to the IEEE event at the section level.



- **Pakistan Independence Day Essay Writing Competition:**

Date: August 7, 2017

IEEE UET Taxila also arranged an Independence Day Essay Writing Competition. Students from different batch took part in the competition. The winner was awarded with certificate and a free ticket to the IEEE event at the section level.



- **Pakistan Independence Day Celebrations:**

Date: August 17, 2017

IEEE SB UET Taxila celebrated Pakistan's 70th Independence Day with zeal and zest. Event started with the recitation, following with the speech on Independence. The celebration also included result announcement of Pakistan Independence Photographic and Essay Writing competitions. IEEE SB UET Taxila mentor distributed certificates among the winners. More than 30 students participated in the event. Certificates were distributed as the token of appreciation among the winners and runners-up of the two competitions.



- **IEEE WIE Impromptu Activity-Communication Strategies:**

Date: September 26, 2017

IEEE WIE AG UET Taxila organized an impromptu activity that provides a ground for the students to broaden their thinking capabilities. Encouraging them to think in diverse directions and be quick and efficient in their responses according to the given scenario.



- **IEEE PES Seminar on Hybrid and Electric Cars:**

Date: September 27, 2017

IEEE PES Chapter UET Taxila organized a seminar on hybrid and electric cars. The participants were briefed about the advanced technologies used in deploying the cars and the future aspects of the technology.



- **Seminar on Student Branch Leadership Training Activity:**

Date: September 28, 2017

IEEE SB UET Taxila organized a training event exclusively for the branch members. The event targeted to volunteers who have a true desire to learn about the broader IEEE and are considering taking leadership positions within their local units and future IEEE committee roles. The training aimed to accelerate volunteer's knowledge of the IEEE organization, products & services, and resources available to them, helping volunteers to understand their role within their local units and within the larger IEEE and to create a succession tool that develops and prepares future IEEE volunteer leaders.



- **Seminar on Application of Electronics in Auto-mobile and Oil & Gas**

Industry:

Date: September 29, 2017

An electronic engineering degree appears to lead in some fairly obvious directions IEEE CES UET Taxila arranged a seminar on application of Electronics in Auto-mobile and Oil & Gas Industry. The students were briefed about the importance of electronics and engineers in the industry and how can they increase their chances of excel in the field.



- **Seminar on Neurolinguistics:**

Date: October 6, 2017

IEEE SB UET Taxila in collaboration with COMPTECH organized an event which comprised of Neuro-Linguistics, relation of the environment and our perception of brain. Seminar consisted of exciting scientific knowledge of genetics and genes that are controlled by the environment and our perception of the environment. Speaker of the event was Muhammad Anees, an Aero-Space Engineer, an Ex-NASAian. The seminar also focused on the character building along with the education of our upcoming generations.



- **Seminar on Outcome Based Education:**

Date: October 6, 2017

IEEE CES UET Taxila arranged a seminar on outcome-based education, which is an essential part of HEC these days. The students came to know about the system and its pros and cons. Outcome-based education (OBE) is an educational theory that bases each part of an educational system around goals (outcomes). By the end of the educational experience, each student should have achieved the goal. There is no single specified style of teaching or assessment in OBE; instead, classes, opportunities, and assessments should all help students achieve the specified outcomes. The role of the faculty adapts into instructor, trainer, facilitator, and/or mentor based on the outcomes targeted.



- **IEEE Day'17 Celebrations:**

Date: October 17, 2017

IEEE SB UET Taxila celebrated IEEE Day 2017 with full passion. The members of the student branch were given insight about the IEEE Day and its importance. The main theme of all the gathering and the mentorship was “Leveraging Technology for a Better Tomorrow”. A cake cutting ceremony was also a part of the event. In the end, a photo session was arranged to participate in the worldwide competition.



- **IEEE Membership Retention Drive:**

Date: October 23, 2017

IEEE SB UET Taxila conducted an international membership renewal drive. International membership of IEEE was promoted, and information desks were set up for guidance and promotion of IEEE International membership renewal. The drive consisted of series of 1 week focused on renewing as many international memberships as possible.



- **Workshop on Latex:**

Date: October 26, 2017

The need to write has grown ever since, writing paper in Microsoft Word do not suffice, as the formatting is very time taking and difficult, hence the software MikTex and Latex are very commonly used to format the research papers. IEEE CES UET Taxila conducted a basic workshop on Latex for writing research paper. Participants were introduced to the user interface and the basic tools of the software. A template was written at the spot as the practice.



- **IEEE Orientation and Mentoring Session:**

Date: October 30, 2017

IEEE SB UET Taxila was invited by IEEE SB IST (Institute of Space Technology) to deliver an orientation & mentoring session on IEEE. Members of IST were given a complete insight about the society and were guided regarding future events, reporting and other technicalities at section level.



- **IEEE Seminar on Career Planning:**

Date: November 23, 2017

A collaborative event of IEEE WIE UET Taxila and IEEE WIE COMSATS Wah. The event started with an ice-breaking session following with the seminar by speaker, Mr. Ateeq. Career planning was based on Training on mind sciences, neuro-linguistics, personality development and stress management. Honourable guests were Dr. Intisar Ali (Advisor IEEE PES UET Taxila) and Miss Tasneem (Lecturer BSD).



- **IEEE Seminar on Cyber-Security(Cyberthon):**

Date: November 23, 2017

A collaborative event of IEEE SB UET Taxila and IEEE SB COMSATS Wah. The seminar was based on Cyber security that was attended by large number of students. The purpose of this seminar was to help the students to understand the potential computer security issues and to give advice and steps that can be taken to protect their computers, mobile devices, information etc. which was delivered by Mr. Shafqat from EZxpert. Honourable guests were Dr. Intisar Ali (Advisor IEEE PES UET Taxila) and Miss Tasneem (Lecturer BSD).



- **Ice Breaking Session for batch 2k17:**

Date: November 27, 2017

An ice breaking session was arranged by IEEE UET Taxila to interact with the freshmen and introduce them to the IEEE UET Taxila Student Branch. The session included some fun activities and different sorts of the tasks were performed by the students. At the end, prize hampers were distributed among the winners by Chairperson IEEE Student Branch UET Taxila.



- **IEEE Orientation for batch 2k17:**

Date: November 30, 2017

IEEE UET Taxila arranged an orientation seminar for freshmen to introduce them to the society, brief them about its domain, scope and motivate them to join the World's Largest Technical Professional Group for the Advancement of the Technology. The Counsellor IEEE UET Taxila Prof. Dr. Gulistan Raja and the Patron Dr. Aftab Ahmed (Chairman EED) were the chief guest invited to the orientation.



- **IEEE ElectroWeek'17:**

Date: December 6-8, 2017

IEEE Student Branch, UET Taxila arranged IEEE Electroweek, which was a week full of activities including technical seminars, workshops and competitions along with the non-technical fun activities, challenges and competitions. The modules included Wiring Wizards, Trouble Shooter, MATLAB Wars, Lab View Workshop, COD competition, IEEE Mania, etc.

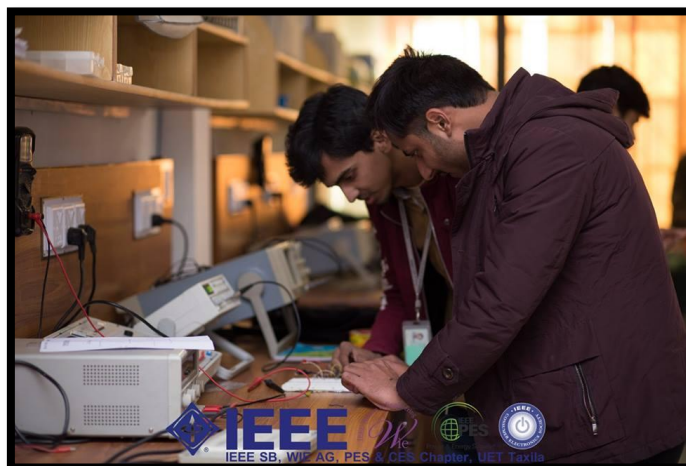
WIRING WIZARD

IEEE ElectroWeek'17 started with a bang of technical activities. IEEE PES UET Taxila arranged a rapid wiring competition, which provided a chance to showcase the circuit speed and skills as a team of three, going through a quiz and a hardware implementation afterwards.



TROUBLE SHOOTER

IEEE UET Taxila arranged a competition to test the analytical skills in a circuit of the participating students. In this competition, the participating group of two, were provided with a faulty circuit. They were required to highlight the fault, correct it and implement the circuit on the breadboard. At the end, the judging committee evaluated the circuit on the basis of cleanliness, optimization and working.



MATLAB WARS

With all the technical events going on in IEEE ElectroWeek'17, a workshop on MATLAB was also arranged for the interested students. The workshop started from beginning level, basic command leading it to image processing.



IEEE MANIA

IEEE ElectroWeek'17 was not only about technical events but non-technical fun activities were also a part of the week-long activities. IEEE Mania was a full day event for the student of UET Taxila, which included a treasure hunt game (EE Explorer), COD Competitions, Ludo, Find the city, Minute to win it and other such activities.



- **IEEE ElectroWeek'17 Closing Ceremony:**

Date: December 12, 2017

IEEE UET Taxila arranged a closing ceremony for the previously held IEEE ElectroWeek'17. The closing ceremony started off with recitation of Quran Majeed. After on, Dr. Intisar (Advisor, IEEE PES Chapter UET Taxila) announced the position holders. He also distributed the certificates and cash prizes to the winners and runners-up. The volunteers were awarded with the certificate as the token of appreciation.



- **IEEE Induction Drive'17:**

Date: December 15-19, 2017

IEEE UET Taxila arranged a three-day drive for conducting interviews for the university student to give them a chance to be a part of the society at branch level. A panel from the cabinet and executive committee interviewed the interested student and short-listed them to select the future members of the society.



- **IEEE CES UET Taxila TechDay'17:**

Date: December 20, 2017

IEEE UET Taxila arranged a full activity day comprising of a lot of technical and non-technical module for the students including arm wrestling, code hunting, ludo, chess, etc. A huge number of the students participated in the event. At the end, the winners and the runners-up were awarded with certificates and cash prizes at the closing ceremony event hosted by IEEE CES UET Taxila Chapter.



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