

IEEE Student Branch UET Taxila -2016-



IEEE

*Advancing Technology
for Humanity*





IEEE, WIE, PES and CES STUDENT BRANCH UET TAXILA

About IEEE

The IEEE provides learning opportunities within the Engineering, sciences, research and technology. The goal of IEEE education programs is to ensure the growth of skill and knowledge in the electricity-related technical professions and to foster individual commitment to continuing education among IEEE members, the engineering and scientific communities, and the public. Most IEEE members are electrical and electronics engineers, but the organization's wide scope of interests has attracted people in other disciplines as well (e.g., computer science, software engineering, mechanical engineering, civil engineering, telecommunication, biology, physics, and mathematics).





**IEEE UET TAXILA
EVENTS
2016**



IEEE National Workshop on Novel Approach to LCA

Date: 11 Jan 2016 – 14 Jan 2016

IEEE Student Branch UET Taxila in collaboration with IEEE Islamabad Section Student Activities Committee organized 4 days National Level Workshop. A 3 CPD Point Activity, on Linear Circuit Analysis. Purpose was to strengthen the electrical engineering knowledge of students and faculty members. The workshop covered core concepts starting from EM fields and wave theory to electric circuits.



Best Volunteer Award Ceremony

Date: 19 February, 2016

Volunteers are an essential resource for nonprofit organizations. The selfless commitment and efforts of these volunteers should be acknowledged and recognized on a regular basis throughout the year.

IEEE SB, WIE AG, CES & PES Chapter UET Taxila recognized the efforts of the individuals who have played their Volunteer Role.



NERC Session

Date: 10 March, 2016

National Engineering Robotics Competition (NERC) Info session was arranged in UET Taxila in collaboration with the Technical societies including IEEE UET Taxila and others which comprised about the Robotics and NERC'16.



Women Empowerment Week

Date: 16 March, 2016

WIE IEEE UET Taxila in collaboration with An-Nisa celebrated women empowerment week to reflect on progress made, to call for change and to celebrate acts of courage and determination by ordinary women who have played an extraordinary role in the history of their countries and communities. The courage, determination, economic, cultural and political achievements were admired photography, painting and articles in a competition.



IEEE Xplore Challenge

Date: 31 March, 2016 – 1 April, 2016

IEEE *Xplore* is a powerful resource that enables discovery and access to leading scientific and technical content published by the IEEE and IEEE publishing partners.

The IEEE *Xplore* Challenge is an online contest contestants were asked to submit correct answers to a series of questions developed to test how well they can search within IEEE *Xplore*.



The IEEE Xplore Challenge for Researchers in Pakistan is a new initiative designed specifically to promote scientific excellence in research across Pakistan.

Designed to inspire innovation and encourage users to discover new research and cutting edge ideas via the IEEE Xplore Digital Library, the IEEE Xplore Challenge invites you to put your research skills to the test.

IEEE Xplore is a powerful resource that enables discovery and access to leading scientific and technical content published by the IEEE and IEEE publishing partners. The IEEE Xplore Challenge is an online contest in which you are asked to submit correct answers to a series of questions developed to test how well you can search within IEEE Xplore.

IEEE will award five prizes to the top participants who have successfully completed the challenge. Be sure to take the IEEE Xplore Challenge for a chance to win!

IEEE Xplore Challenge Prizes
1st place: Apple iPad Air® 2, 16GB
2nd through 5th place: Apple iPad mini™ 4, 16GB

IEEE Xplore Challenge Dates

31 March 2016 & 1 April 2016

WINNER PRIZE

Engineering Leadership and Ethics

Date: 23 February, 2016

IEEE Consumer Electronics Society, UET Taxila organized a seminar based on Continuing Professional Development (CPD) program under Pakistan Engineering Council (PEC) by-laws with a lecture on “Engineering Leadership and Ethics”.



First Cabinet Talk

Date: 5 April, 2016

After announcement of new cabinet for year 2016-17, a very first cabinet meeting was arranged in which the office bearers from IEEE, WIE, PES and CES were present. Main purpose was formation of new Executive committee. Future plans were defined and events to be organized by IEEE UET Taxila were discussed.



Earning through Free Lancing

Date: 20 April, 2016

Free Lancing is becoming a very wide way to earn money in new times which provides an opportunity for self-employment. It's a very broad and easy way of earning online throughout the globe. IEEE UET Taxila & "Entrepreneurs of 2k13" organized a seminar on Free Lancing to help students get knowledge about earning through free lancing and setting their life goals.



Open House & Job Fair'16 UET Taxila

Date: 26 April, 2016

UET Taxila organized Open House 2016 in collaboration with IEEE UET Taxila and other societies. All the projects from EED were arranged and displayed by IEEE UET Taxila. Many delegates from different industries visited the open house to provide opportunity to the fresh graduates in their companies. Student were selected and interviewed by these companies. After passing their interview, students were hired for job.



IEEE FYP Exhibition

Date: 27 April, 2016

An event on FYP Demonstration was a chance for junior sessions to know about the productive idea of the winners of Open House. IEEE UET Taxila invited the position holders from Electrical and Electronics Engineering Departments where they shared their valuable ideas about their respective FYP's.



Seminar on Power and Communication

Date: 3 May, 2016

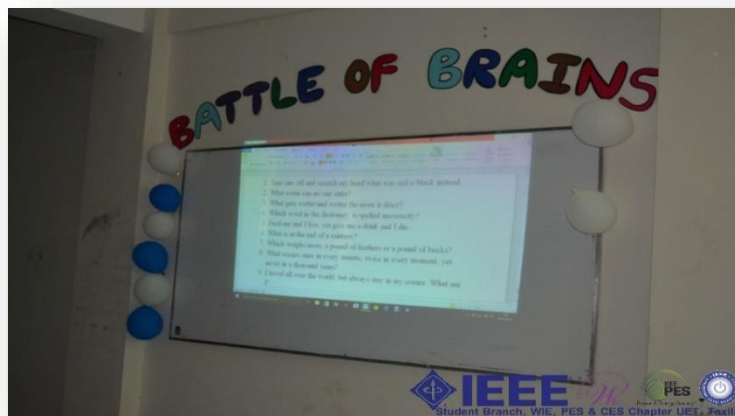
Engineering is the field where technology never ends and keep on rolling with something new each day. Engineers always want to know about these new technologies around the world. Now a days, Power and Communication are most emerging technologies in field of electrical engineering. A seminar was arranged on the importance of power and communication engineering and their future scope.



Battle of Brains

Date: 16 May, 2016

IEEE WIE UET Taxila conducted a quiz competition for engineering students and especially for women in engineering in which they were tested with their engineering knowledge and capabilities. About 40 teams were registered for this event. Each team consisted of two members. The event



comprised of two rounds. In first round, the questions were from basic Engineering and participants were given a limited time for each question. The qualifying teams were tested through video quiz in second round. The winner team was awarded with shield.

Rapid wiring Clash

Date: 17 May, 2016

IEEE UET Taxila provided an open opportunity for engineering students to place their hands-on circuits. It was a two-round event in which the technical skills of the participants were tested. A circuit was given to the participants with some basic components, they had to join the circuit to make it work. The team with minimum time working circuit won the clash.



IEEE Mania

Date: 17 May, 2016

A routine of continuous studies and no entertainment makes student's life bore. In order to take out the students from their rough and tough routine, IEEE & WIE UET Taxila organized a very distinct, unique of its type and full of entertainment event. IEEE mania comprised of different stalls where the participants were asked to complete a given task on spot.

A photo booth of IEEE was also present and every one cheered themselves with their mates at booth.



FIFA Contest

Date: 17 May, 2016

For many gamers, FIFA is the part of their enjoying life. IEEE organized a contest on FIFA E-gamming in which many participants entered to show off their game playing ability and techniques. All of them played to reach at the top in the final round of contest.



Designing with LED

Date: 18 May, 2016

A very interesting and exclusive event was organized by IEEE UET Taxila. Art work is a skill which requires professionalism. IEEE provided the artists an opportunity to display their skills by designing a model with LED. In this event, participants were provided LED & a frame. They had to do art work on it and then make a design using LEDs on the frame in a given time.



Fly Copter

Date: 19 May, 2016

Quad Copters are being used widely now a days for many various purposes. IEEE UET Taxila, for the first time in its history organized a mega event where participants were given a chance to show their capabilities, expertise and competence about quad copters. Participants had to follow a specific path with hurdles in it and they were asked to complete provided path with their quad copter. The design of copter, participant's proficiency and their skills were judged. Winning team was awarded cash prize.



Women Empowerment Seminar

Date: 19 May, 2016

Women Empowerment refers to the creation of an environment for women where they can make decisions of their own for their personal benefits as well as for the society. IEEE WIE UET Taxila conducted a seminar on women empowerment to make them confident enough to claim their rights and improving the social, economic, political and legal strength of the women. Special guest speaker was a Lady Army Officer.



Closing Ceremony of Electro-Frenzy'16

Date: 20 May, 2016

After all the efforts and struggle of whole IEEE team during IEEE student week 2016, finally the closing ceremony was held. The closing ceremony meant for awarding the winners of the events with shields and appreciating the participants with certificate of participation. A very huge week full of technical as well as some non-technical came to an end with great success.



Annual General Meeting (AGM) 2016

Date: 20 May, 2016

IEEE UET Taxila hosted its Annual General Meeting. The ex-cabinet and ex-com were presented shields and certificates in recognition of their yearlong contribution to the branch.

New office bearers were officially appointed. They took oath under the supervision of IEEE UET Taxila Counsellor.

PES cabinet was also announced and officially initiated. With this, a new tenure of IEEE UET Taxila was started.



Farewell Party

Date: 20 May, 2016

In order to honor the services and contribution to IEEE UET Taxila by the session 2k12 and to bid them a happy and memorable good bye, a Farewell party was arranged for them. This farewell party was organized by the members of student branch for respected seniors. The ex-cabinet and ex-com members shared their valuable experience of volunteering in IEEE.

Motivational speeches were delivered by ex-cabinet members. Many happy ending moments were exchanged between departing seniors and rest of the members.



2nd CEO Talk

Date: 22 May, 2016

IEEE Consumer Electronics Society (CES) conducted an Entrepreneurship Seminar (2nd CEO Talk of the series) at UET Taxila. IEEE CES was honored to have Engr. Zafar Mahmood (CEO InterSES) as chief guest to share his valuable ideas and experiences about Entrepreneurship and his struggles to glorious career.



Mentoring Session at Pakistan International School Riyadh, Saudi Arabia (Region-8)

Date: 26 July, 2016

The Chairperson IEEE UET Taxila held a meeting with honorable Principal of Pakistan International School Riyadh, KSA. The delegate was given introduction about IEEE society working for the advancing technology at global level. The benefits that IEEE provide to its members were also



discussed. Many problems were raised which are faced by students in their academics and a solution to them was also suggested through IEEE.

IEEE Day'16 Meeting

Date: 27 September, 2016

IEEE UET Taxila celebrates IEEE Day every year. A meeting was hosted by Chair IEEE UET Taxila with general members in order to discuss about the celebration of IEEE Day 2016. A brief introduction about it and last year's celebrations were mentioned. Suggestions from junior members were considered to make this celebration more memorable.



Event on S.I.T Abroad

Date: 7 October, 2016

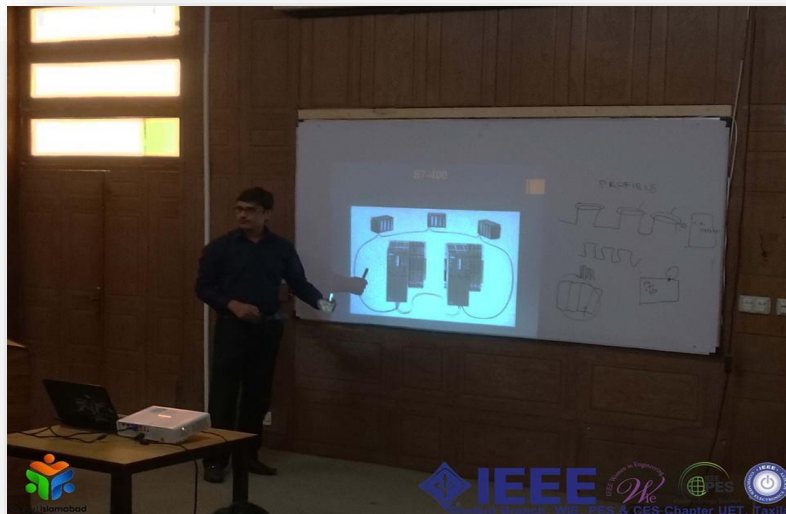
IEEE UET Taxila in collaboration with STEP UET Taxila organized a seminar on S.I.T Abroad. MINZ executive members were invited for an intro session to guide the students for applying abroad for internships, scholarships and training programs.



Industrial Automation & PLCs

Date: 18 October, 2016

A seminar was arranged on Industrial Automation & PLCs by IEEE UET Taxila in a series of "Learn from those who know" led by IEEE Young Professionals Islamabad. The seminar focused on the automation process of industries, their working and use of PLCs, HMI and SCADA in industries for automating machines.



Open Source Summit 2016

Date: 27 October, 2016

Open Source Summit (OSS) was in UET Taxila with the collaboration of IEEE as a media partner. Open Source Foundation of Pakistan sponsored OSS which was continued for two days in UET Taxila with series of workshops, seminars and other activities.



Series of Workshop on Emerging Technologies - R10 WIE Project

IEEE WIE AG UET Taxila got an opportunity to arrange a “Series of Workshop on Emerging Technologies”. This event consisted of 3 days with 3 workshops. In this regard, IEEE WIE AG UET Taxila arranged the following events:

- Robotics and Artificial Intelligence
- 3D Printing
- Virtual Reality

Robotics and Artificial Intelligence

Date: 8 November, 2016

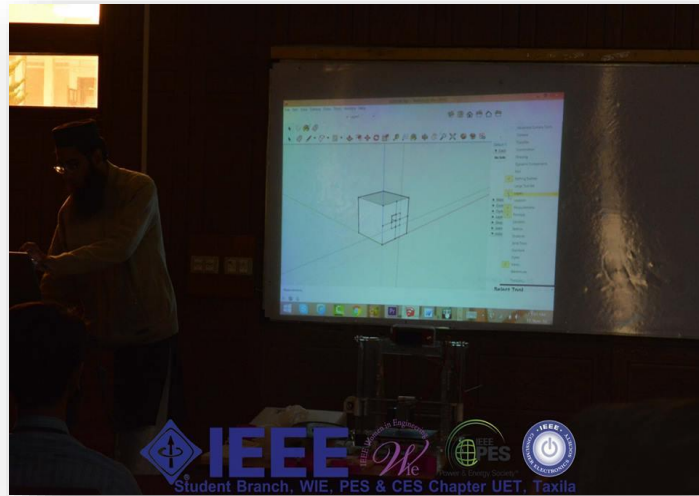
IEEE WIE AG UET Taxila arranged a workshop on robotics and artificial intelligence. Artificial Intelligence (AI) implies the use of a computer to replicate intelligent behaviour. These techniques have been and continue to be applied to a broad range of problems that arise in robotics, e-commerce, medical diagnosis, gaming, mathematics, and military planning and logistics etc.



3D Printing

Date: 11 November, 2016

IEEE WIE AG UET Taxila arranged a workshop on 3D printing. 3D technology stands for 3-D technology. The use of 3d technology in TVs, laptops and other products is growing because the basic content required to support such products includes sports and entertainment.



Virtual Reality

Date: 14 November, 2016

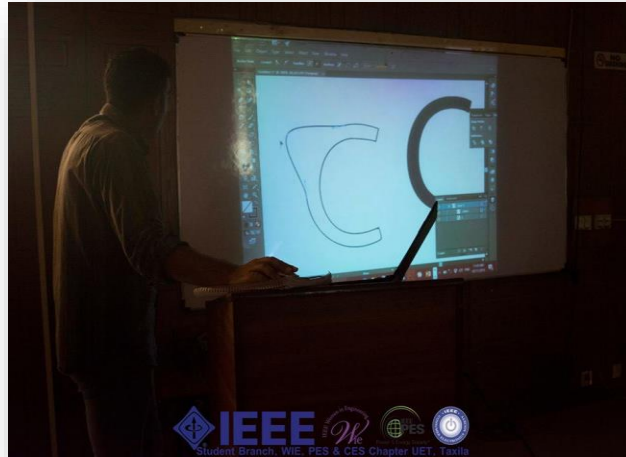
IEEE WIE AG UET Taxila arranged a workshop on Virtual Reality. Virtual reality entails presenting human senses with a computer generated virtual environment that we can explore in some fashion. There are vast number of applications for virtual reality which include Architecture, Sports, Medicine, Arts and Entertainment. Virtual reality can lead to new and exciting discoveries in these areas which impact upon our day to day lives.



Graphics Designing

Date: 7 November, 2016

IEEE UET Taxila organized a one day workshop on graphic designing. Members were trained on Adobe Illustrator. A complete demonstration on poster designing and logo designing was given with all the basic designing tools used in graphics.



Welcome 2k16

Date: 10 November, 2016

IEEE & WIE UET Taxila organized a welcome activity for students of 2k16 in EED. An interactive session was held with freshers in which juniors introduced themselves and some interesting tasks were also performed by them.

They were also introduced to IEEE UET Taxila in this session.



IEEE CES Orientation in ENC Department

Date: 11 November, 2016

IEEE CES conducted an orientation session for the students of 2k16. The new entrants of Electronics department were introduced to IEEE and its chapter CES. The benefits of IEEE and international membership were explained to the students and were motivated to join IEEE CES.



Get to Know Activity

Date: 16 November, 2016

An interactive and fun activity was held in order for the interaction among members of IEEE and to know about the benefits of IEEE.

Some non-members also participated and they became aware of benefits provided by IEEE to its members.





IEEE Orientation of Session 2k16

Date: 21 November, 2016

IEEE UET Taxila organized an orientation session for fresh students of 2k16 in Electrical Department.

Students were informed about IEEE as an international and world's largest organization with its functionality all around the globe.

The benefits of IEEE international membership were shared. Students were motivated with brief history of IEEE SB UET Taxila and the major events arranged in 2016 with all the achievements. IEEE WIE orientation was also a part of this session.



Twin Branch Project Event - Psychology and Artificial Intelligence

Date: 29 November, 2016

A collaborative event by IEEE WIE AG UET Taxila and IEEE NUST College of Electrical and Mechanical Engineering was arranged on "Psychology and Artificial Intelligence". People got to know about their lives being getting effected by the most modern and revolutionized technologies.



Circuit Analysis using MATLAB & SIMULINK

Date: 2 December, 2016

IEEE CES arranged a two day workshop on MATLAB and Arduino. The workshop covered following programs

1. MATLAB-Arduino interface
2. Signal generation in MATLAB
3. Signal manipulation in MATLAB.



Seminar on Internet of Things (IoT)

Date: 21 December, 2016

IEEE CES organized a seminar on Internet of Things. IoT is relatively a latest technology which has evolved from the convergence of wireless technologies, micro-electromechanical systems (MEMS), micro services and the internet.



CONTACT DETAILS

Prof. Dr. Gulistan Raja	gulistan.raja@uettaxila.edu.pk , (Chairman ENC UET Taxila)
Abdur Rahman Iqbal	abdurrahman.iqbal.1994@ieee.org , (+92-320-6686608)
Maha Hassan	mahahassan1950@gmail.com
Saifullah Rao	saifullahrao96@gmail.com
Zeshan Murtaza	zeshanmurtaza16@gmail.com

Compiled by:

Furqan Farooq

Edited by:

M. Huzaifa Rizwan

