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Annual Report



TENURE DETAILS

IEEE STUDENT BRANCH UET TAXILA

Following are the details mentioned that IEEE went through the TENURE 2020.

REPORT TYPE: ANNUAL

YEAR REPORT: 2020

GENERAL INFORMATION

STUDENT BRANCH NAME		University of Engineering and Technology, Taxila	
STUDENT BRANCH CHAIR		Ahmar ul Haq	
IEEE NUMBER		96957415	
CONTACT NUMBER		+923157798760	
EMAIL ADDRESS		ahmar.haq21@gmail.com	
NAME OF BRANCH COUNSELLOR		PROF. DR. GULISTAN RAJA	
IEEE NUMBER		90703261	
CONTACT NUMBER		+923129552563	
EMAIL ADDRESS		gulistan.raja@uettaxila.edu.pk	
TOTAL STUDENT MEMBER		110	
TOTAL HIGH GRADE MEMBER		70	
TOTAL STUDENT MEMBERS RECRUITED IN THE LAST 3 MONTHS		Nil.	
TOTAL HIGH GRADE MEMBERS RECRUITED IN THE LAST 3 MONTHS		Nil.	

ANNUAL EVENTS REPORT 2020

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 2020.

Events & Activities



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Events Details

WORKSHOP ON ARUDINO BASED EMBEDDED SYSTEMS

To impart basic knowledge of Arduino and embedded system & to show practical demonstration.

IEEE SB UET Taxila organized a hands-on practice workshop on **27th & 29th Jan 2020**. In this workshop students were given basic knowledge about microcontrollers, embedded system, and Arduino boards. Practical demonstration was also delivered. A generic code was taught to them which can be implemented for any sort of analog input and output.

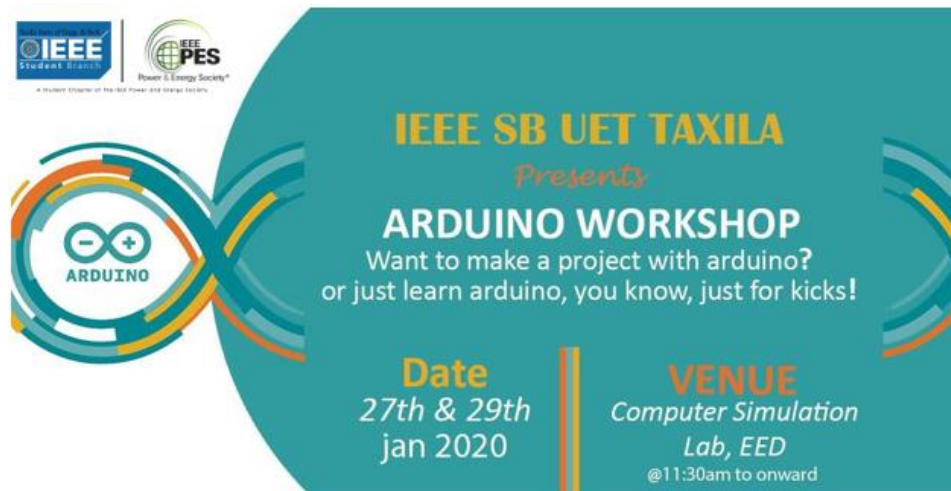


Figure 1: Poster of the Arduino Workshop



Figure 2: Demonstration from Speaker on Arduino Working

CV AND RESUME WRITING

To make the Freshmen aware how to make a good CV, imparting knowledge about types of CV & demonstrating how to make one.

Team IEEE SB UET Taxila organized a session on how to write a Good CV on **3rd February 2020**. Getting grades is important but only grades will never satisfy one's employer. However, a good CV and a comprehensive resume surely does. Therefore, considering the need of the hour, Team IEEE conducted a session on the said topic. Freshmen were instructed about different kinds of CV followed by a practical demonstration on how to make one for themselves.



Figure 3: Picture Showing Speaker imparting knowledge about good CV.

VISIT TO R.I.S.E RESEARCH CENTRE

An Industrial Tour was arranged for the students to learn the practical perspective of the knowledge being taught in their classrooms.

Realizing the importance of practical demonstration for the better understanding of Engineering studies, IEEE SB UET Taxila organized a Robotics Research Centre tour for its member students on **6th February 2020**. The tour helped students to learn the practical perspective of the theoretical knowledge they are being taught in their classrooms. The faculty at ROBOTICS & INTELLIGENT SYSTEMS ENGINEERING (R.I.S.E) RESEARCH CENTER NUST was kind enough to give us their time and cooperate with us. Dr. Yasir Ayyaz (Chairman / Central Project Director of National Center of Artificial Intelligence (NCAI), Pakistan and the Head of Department of Robotics and Artificial Intelligence at National University of Sciences and Technology (NUST), Pakistan.) guided the students about the Artificial Intelligence. At last we were having a question answer session in which students asked queries about the Robotics.



Figure 4 : Robots at Research lab



Figure 5 : Group Photo of the Participants

CONFERENCE ACTIVITY

(ATTENDED)

Team IEEE attended a conference and presented their paper Design & Implementation of IoT Embedded Smart Energy Management System.

A delegate from UET Taxila, members of IEEE participated in 2020 – **International Conference on Engineering & Emerging Technologies (2020 – ICEET)** held at Superior University, Lahore, Pakistan on **22 – 23rd Feb 2020** and presented their paper titled as **Design & Implementation of IoT Embedded Smart Energy Management System**.



Figure 6: Participants Presenting their paper.

WORKSHOP ON MACHINE LEARNING

A workshop was conducted to impart basic knowledge of Machine and Machine learning & to show how machine works on different patterns.

Team IEEE SB UET Taxila conducted a workshop on Machine learning on **10th & 11th Feb** to make its undergraduate Students familiar with the Machines their coding and how they are imparting us in modern day life. The participants were briefed about machines, their working without explicit instructions, relying on different patterns and inference instead. Moreover, the participants were also briefed about different coding techniques as well.



Figure 7 : Figure Showing Participants listening to the speaker.

INDUCTION DRIVE 2020

Induction Drive was conducted to in-take session 2020 into IEEE so that they may get benefited.

An orientation seminar of IEEE was arranged for the freshmen of newly admitted students of UET Taxila on **18th Feb, 2020**. The students were given an insight about IEEE, its benefit, importance of IEEE, its organizational structure and other such things about IEEE. The students were briefed about the process to join the World's Largest Organization and were also motivated to do so.



Figure 8: Group Photo of Participants after the Induction

WEBINAR ON VISION MANAGEMENT AND CAREER COUNSELLING

Webinar was held in order to make the young freshmen, the youth aware of the market needs and to nourish their young minds.

Team IEEE SB UET Taxila in collaboration with other different societies at UET Taxila conducted a session on Vision Management and Career Counselling for the undergraduate students on **24th Feb 2020**. The main motive of the webinar was to make the freshmen aware what is happening in their surroundings and to make them know and understand themselves and the world of work in order to make career, educational, and life decisions. Career development is more than just deciding on a major and what job you want to get when you graduate. Therefore for the very purpose a session was held.



Figure 9 : Speaker giving brief about Career Counselling.

WOMEN CAN STEM

Webinar was held to empower the women in engineering, encouraging them to play their part in the activities.

IEEE SB UET Taxila, Women in Power and WIE, on Women day organized a seminar on the topic of 'Women can Stem' on **24th March 2020**. A female speaker was invited who herself actively take part in women empowerment activities. In her presentation she told that how women should take step to participate along men in the society. She encouraged them to take part in engineering field, social activities so that they may also become the future leaders.



Figure 10 : Shield Presented to Guest Speaker

WEBINAR ON HAZARDS OF CONFINED SPACE IN INDUSTRY

Webinar on Hazards of confined space was held that covered details and the ways to protect oneself from the hazardous faced in industry.

This is a topic that catches the attention of every engineer as it is very deeply concerned with working in narrow and confined space in industry. Many workers are injured and killed each year while working in confined spaces. This webinar was delivered by Engr. Farhan on **16th April, 2020**. Ahmed and covers whole details regarding the types and examples of Confined space and the ways to protect oneself from the hazardous environment faced in industry.



Figure 11: Poster of Webinar

WEBINAR ON MODERN INDUSTRY TRENDS

An online webinar on trending technologies and industry trends was organized and delivered by a speaker from SA Section, R8

One of the most important decision one must take comes at the end of our formal education. Knowledge about theories and labs is important but knowing the modern trends in industry is equally important to secure a job and realizing this need an online webinar on Modern Industry was organized by Mr. Abdur Rahman Iqbal, on **23rd April 2020**, who is serving as a senior Technical Engineer at SIDCOM Industrial Services & Supplies, KSA, IEEE SA Section, Region 8.

This webinar started with an overview for the time after graduation, Industry, or academia (field or research), engineering industry and modern trends. Detailed insight was given by speaker on whether to choose academia or industry right after graduation by putting forward all the positive aspects or hurdles, one has to face in a particular field. Industry trends like Maintenance (Building maintenance, E-maintenance), HVAC (Heating, Ventilation & Air Conditioning), Quality Control, Health & Safety, Production and Processing, Operations management, Supply Chain management, Industry 4.0, Industry 5.0, Nanoscience/Nanotechnology, Additive Manufacturing, BME or 3D for Biomedical etc. was discussed. Different sort of certifications was also discussed, some of them are given below.



Figure 12: Poster of Webinar

SCIENTIFIC WRITING FOR IMPACT FACTOR JOURNALS

Webinar was held on the said topic on **25th April 2020** for undergraduates to make them familiar with writing effective Impact Factor Journal.

All professionals including engineers require continuous up-gradation of their knowledge and skills to improve scientific writing. Journal articles, conference papers, and research/funding proposals are the most important forms of scientific writing. Good science and good writing are equally important. In this webinar following topics were discussed:


- Importance of Writing Research Papers
- Pre-Writing: How to make a detailed outline of a research paper.
- Writing: How to tell a coherent and connected story in a research paper.
- Post Writing: Checklist to ensure the quality of your research paper.




IEEE PES DAY 2020
Team Pakistan

WEBINAR # 6

**Scientific Writing for
Impact factor Journals**

SPEAKER:
Dr. Hafiz Abdul Muqet

Date & Time 
Saturday 25th April
3:30pm Pakistan Time
4:00pm Indian Time
4:30pm Bangladesh time
5:00pm Sri Lanka time

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 @ieee pesday



More Power to the Future

Figure 13: Poster of Webinar

INFO GRAPHICS COMPETITION

An online Event was held to make the freshmen realize the importance of Info Graphics Posters in our daily life.

Team IEEE SB UET Taxila in collaboration with IEEE held an Info Graphics Competition. Team was quite well aware that this global scenario has created anxiety and stress amongst all of us so let's have a break from this pandemic frenzy and engage ourselves in some meaningful contest. Team IEEE SB UET Taxila brought to its freshmen an infographics competition 'PICSION' under the theme of 'Corona is impacting the fragility of our social systems'. Competition was open for all so everyone was encouraged to participate.

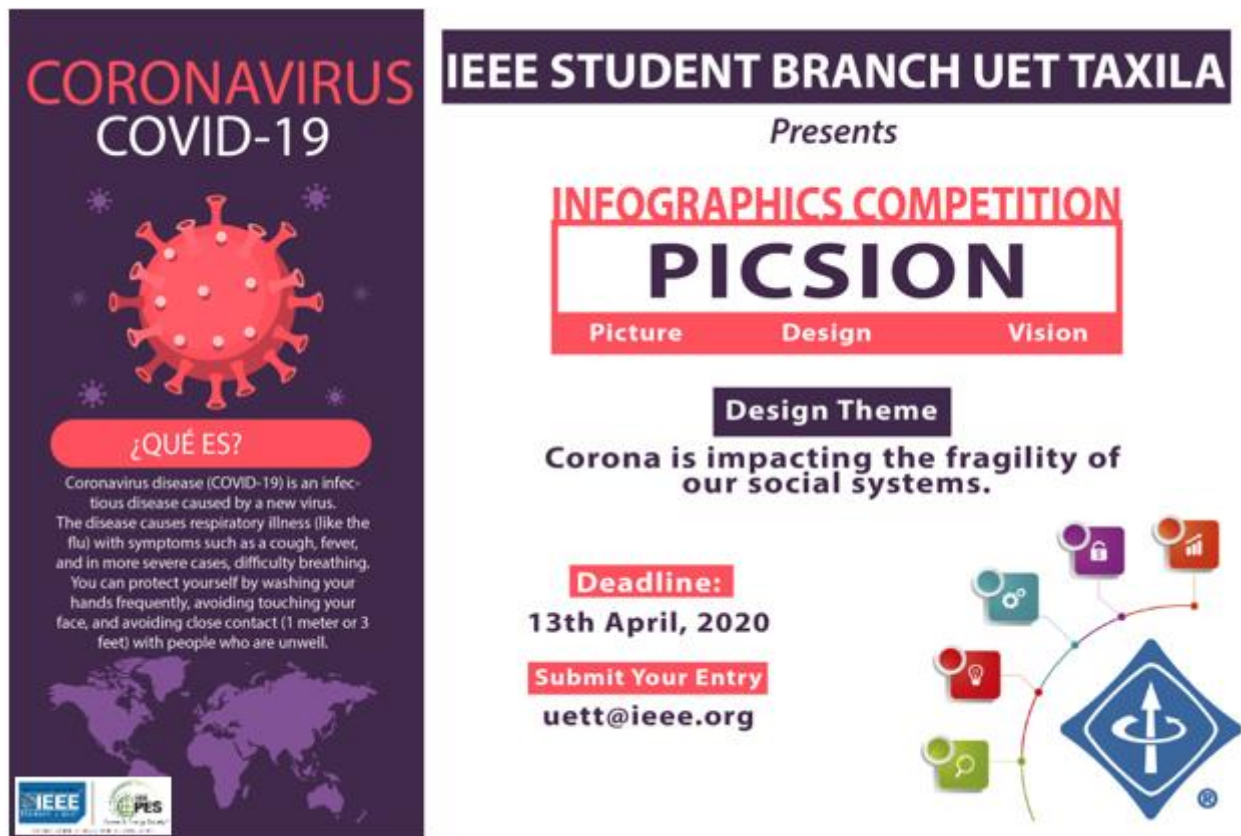


Figure 14: Poster of the Competition

WEBINAR ON POWERFUL STRATEGIES FOR YOUR BEST FUTURE SELF

Webinar on the said topic was held on **7th May 2020** to make the freshmen aware of the powerful strategies for their own selves.

The session focused on the Personal Development during The Crisis. Speaker highlighted the strong reason, the strategies, and tools to implement.

The scope of the Session is as under.

- Introduction
- Winner or Loser?
- The Time Machine approach
- The Three Rules
- The Power Hour
- Social Connectivity
- Goals Clarity
- Discussion

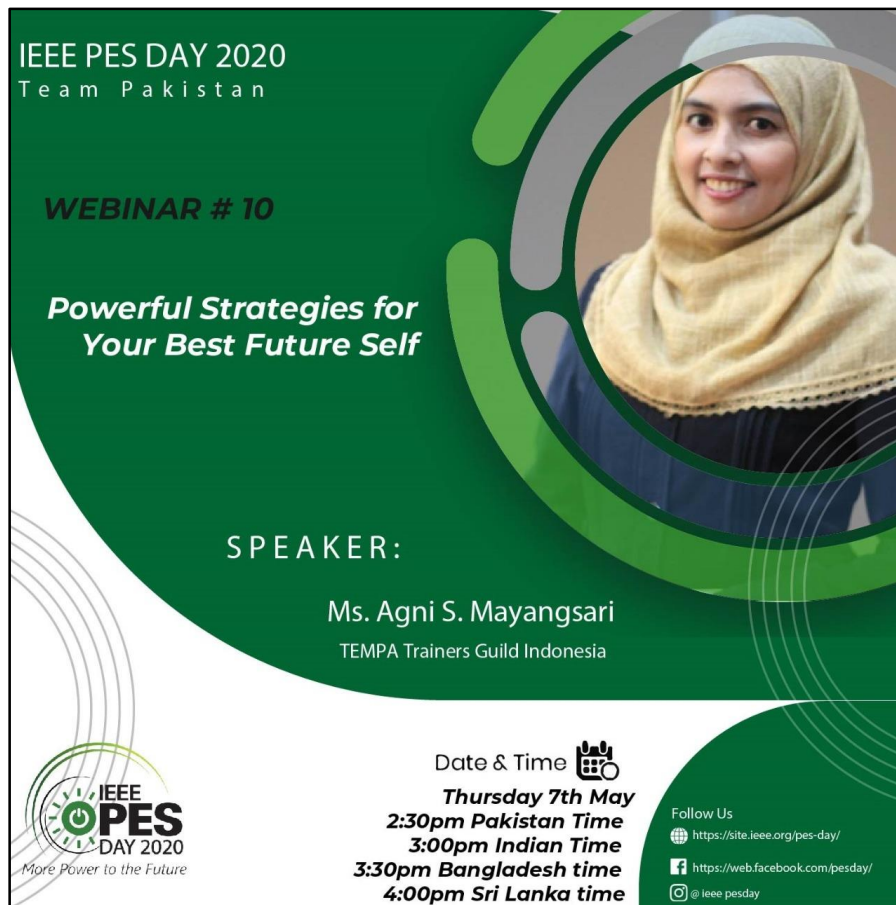


Figure 15: Poster of the Webinar

ESSAY WRITING COMPETITION

Essay Writing Competition was held on **19th May 2020** to divert the young freshmen minds from the chaos and to engage them in some productive activity.

Amidst this pandemic frenzy and growing chaos to divert our minds and get engage in some productive stuff, IEEE SB UET Taxila organized an essay writing competition on the topic Impact of Renewable Energy Resources in Power System of Pakistan. A shield was awarded to the winner and certificate for the participants.

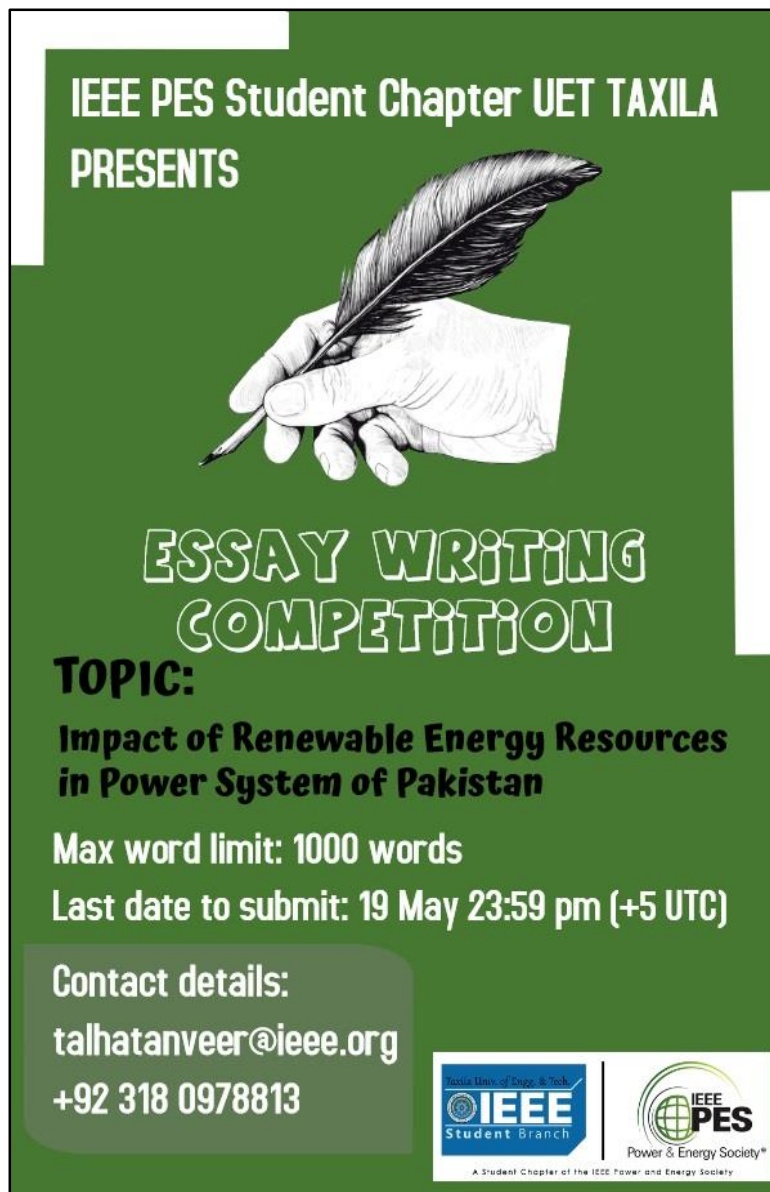


Figure 16: Poster of the Competition

WEBINAR ON THE SCIENCE OF WELL BEING: HOW TO BE HAPPY

Webinar was held to make the young freshmen aware of the happiness and satisfaction in one's life.

IEEE SB UET Taxila held a webinar on The Science of Well-being: How to be Happy on **23rd May 2020**. It was an interactive session to address listener's problems and queries. Audience learned about the art of achieving satisfaction and happiness in your life. The Webinar focused on things people think will make them happy but don't and, more importantly, things that do bring lasting life satisfaction.



Figure 17: Poster of the Webinar

CABINET ELECTIONS

Cabinet Elections were held in order to appoint new officials of IEEE SB UET Taxila.

Yearly elections were held on **6th July 2020** to appoint the new cabinet for the tenure **2020-2021**. Cabinet Interviews were conducted and elections were held among the candidates for the seat of the chairperson. The rest of the cabinet interviews were conducted afterwards.



IEEE STUDENT BRANCH, UET TAXILA
STB-60871
E-mail: uett@ieee.org

IEEE Student Branch UET Taxila announces Office Bearers for the tenure 2020-21.

IEEE MENTOR

Designation	Name	Department
Mentor	Muhammad Saif Raza	16-Electrical

IEEE CABINET

Designation	Name	Department
Chairperson	Ahmar ul Haq	17-Electrical
Vice-Chairperson	Noman Ahmad	17-Electrical
General Secretary	Waqas Shahzad	17-Electrical
Treasurer	Abdullah Akmal	17-Electrical
Joint Secretary	Abdullah Faisal	17-Electronics
Academics Co-Ordinator	Rana Abdullah	17-Electrical
Additional Joint Secretary	Majid Ali	17- Telecom

WIE CABINET

Designation	Name	Department
Chairperson	Farrah Ilayas	17-Electrical
Vice-Chairperson	Hira kiran	17-Electrical
General Secretary	Farwa Zulfiqar Ali	17-Electrical
Treasurer	Sidra usman	17-Electrical
Joint Secretary	Minahil khan	17-Telecom
Academics Co-Ordinator	Rifshan ijaz	17-Electrical

PES CABINET

Designation	Name	Department
Chairperson	Saad Anwar	17-Electrical
Vice-Chairperson	Suffian Zaman	17-Electrical
General Secretary	Zeeshan Ahmad	17-Electrical
Treasurer	Moiz Ahmad	17-Electrical
Joint Secretary	Usama tariq	17-Electrical
Academic coordinator	Husnain yousuf	17-Electrical

CES CABINET

Designation	Name	Department
Chairperson	Awais Abbas	17-Electronics
Vice-Chairperson	Muhammad Furqan	17-Electronics
General Secretary	Sonia kiran	17-Electronics
Treasurer	Eamin Ch	17-Electronics
Joint Secretary	Hamza Shiekh	17-Electronics
Academic coordinator	Fahad Ali	17-Electronics


M. SAIF RAZA
Ex-Chair, IEEE UETT


UMAR KHAN
Advisor, IEEE CES UETT


INTISAR ALI SAJJAD
Advisor, IEEE PES UETT



GULISTAN RAJA
Counsellor, IEEE UETT

Figure 18: Cabinet Officials 2020-2021

EXECUTIVE BODY INTERVIEWS

Executive Body Interviews were held in order to include them into IEEE.

Team IEEE SB UET Taxila held an interview session for the session 17 on **12th July 2020** to give them important cabinet portfolio. Interviews were held to get an idea whose capable of the afore mentioned seat or not, followed by different candidates appearing for different positions.



IEEE STUDENT BRANCH
UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA

NOTICE

It is informed you all that the following mentioned students have been appointed for the mentioned post as part of Executive Committee for the Tenure **2020-21** of IEEE WIE Affinity Group, UET Taxila.

TEAMS	HEADS	CO-HEADS
COMMUNICATION/LIAISON	Suman Zahoor Sabahat Gul	Syeda Fizza shoiab Zaidi
ADMIN EVENTS	Noor e Fatima Abida Iqbal	Bakhtawar Nawal
REGISTRATIONS	Ayesha Asghar Areeba Safdar	Zoya Jamil
CREATIVITY	Javeria Noor Zainab Chaudhary	Afshan Tariq Kiran Zaman Syeda Fizza shoiab Zaidi Noor Us sabah Siddiqui
DOCUMENTATION	Sabahat Tabassum Mehreen	Zoya Jamil
DESIGN	Aansa Batool Kainat Gul	Aisha Kasuri
PHOTOGRAPHY	Asma Malik Sidra Zafar	Isra Jan
HUMAN RESOURCE	Zarka Sana Nayab Ahmad	Kiran Zaman
PROMOTION/SOCIALS	Eman Gul Kanwal Nawaz	Asma Bibi

IEEE WIE Affinity Group, UET Taxila, congratulates to the newly appointed members and hope they will work with great zest and zeal to make this society progress by leaps and bounds.



FARAH ILYAS
Chairperson IEEE WIE Affinity Group
UET Taxila



AHMAR UL HAQ
Chairperson IEEE Student Branch,
UET Taxila

Figure 19: Newly Appointed IEEE Main Branch Officials

ANNUAL GENERAL BODY MEETING (GBM)

Annual GBM was held to entertain the queries of juniors regarding webinars and to discuss the future plans.

Annual GBM was held on **July 19th, 2020** at 3:00 pm (GMT+5). This meeting was held to discuss the routine events. All the queries of the juniors were entertained at the end. It was done through Teams. This was mandatory for every member of IEEE. Furthermore, they were introduced to different teams that they will be working in.

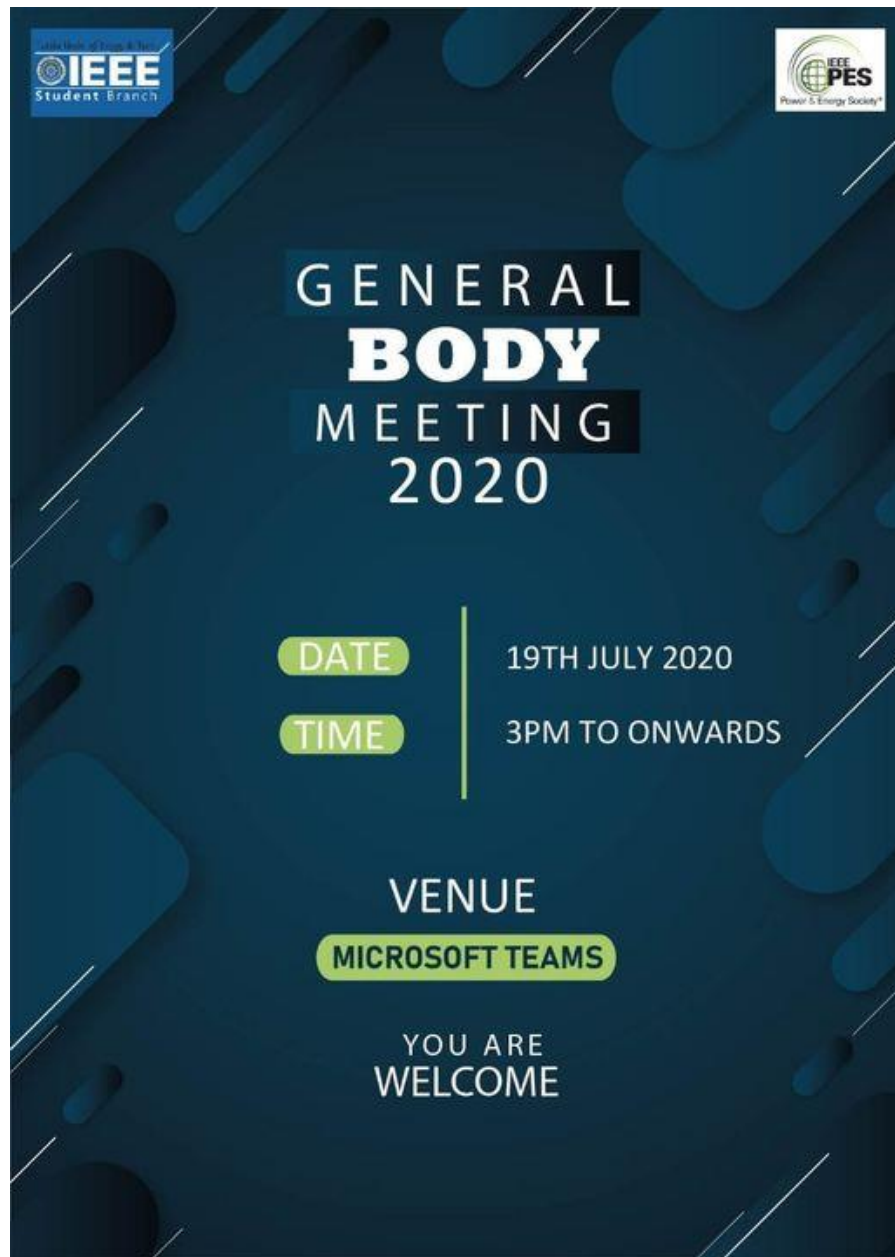


Figure 20: Poster of the GBM

WEBINAR ON HOW TO FYP

A webinar was held on the topic How to FYP, basically for the final year graduates, how to ace that.

Team IEEE SB UET Taxila hosted a webinar on How to FYP on **25th July 2020**, basically for the final year graduates. Final Year Project is one of the most important component of engineering program and requires extreme compassion and hard work.

In this webinar following points were briefly discussed.

1. Project's Topic Selection
2. Selection of Advisor
3. How to do your Project.



Figure 21: Poster of the Webinar

DIGITAL DESIGN ROADSHOW

A series of 7 webinars were conducted in order to propagate design culture.

Team IEEE SB UET Taxila in partnership with Telenor and MSP Islamabad hosted a Digital Design Roadshow which consisted of 7 events running from **6th to 15th August**. The event series aims to propagate the design culture in Pakistan where the industry is not very visible. Microsoft Student Partners - Islamabad has strategically planned these events with several national and international speakers to bring you the most valuable experience. Basics of UX and UI design was covered in the workshop.



Figure 22: Poster of Digital Design Roadshow

WEBINAR ON INTERNET OF THINGS

Webinar was held on the said topic, to make the undergraduate student aware of the market demands and trends.

Team IEEE SB UET Taxila held a joint session on **31st August 2020** on Internet of Things (IoT). Since it has become a new big thing after the industrial revolution. Sensors and embedded devices are used in many applications these days, ranging from domestic to Industrial. This new technology has empowered us in many ways, and this webinar aims at helping the students understand the importance of embedded systems and other communication hardware, therefore Team IEEE considered it to be the need of the hour to have such a session.

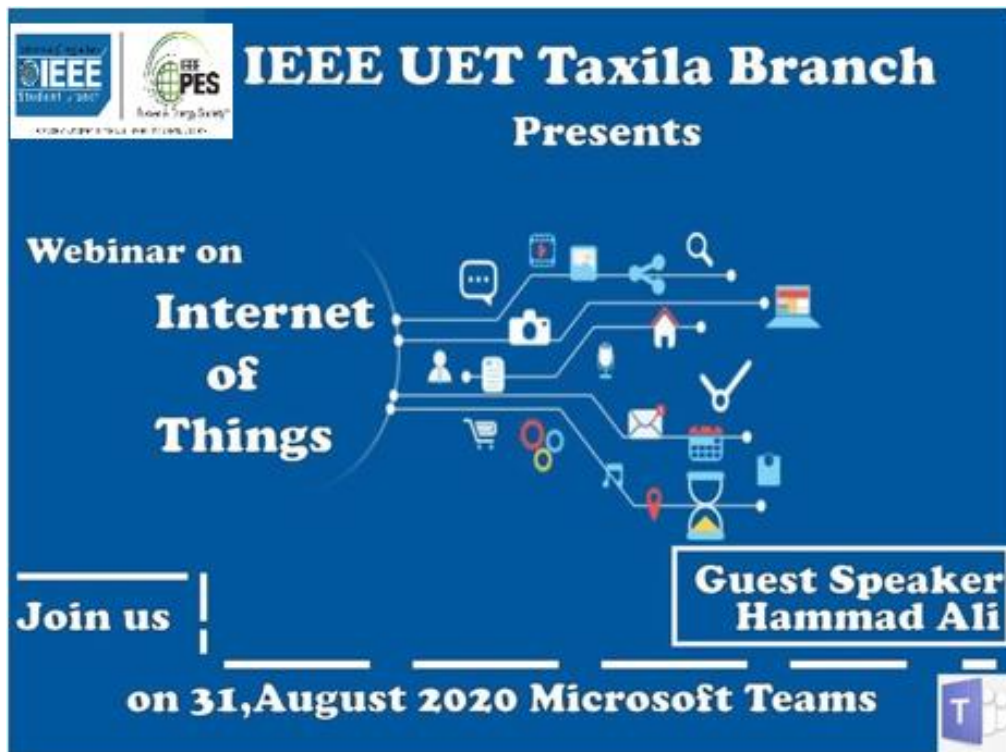


Figure 21: Poster of the Webinar

PLC AND HMI TRAINING FOR BEGINNERS

A 3-day free course on PLC and HMI was conducted in order to provide basic training to the beginners.

IEEE SB UET Taxila in collaboration with Mind-storm Engineering and Automation Play provided the special training of PLC and HMI to all the students of the University from **3rd Sep – 9th Sep, 2020**. PLC system is the major key in the technology and industrial sector today. It makes machinery and systems work automatically. Human Machine Interface (HMIs) is equally important and is used in industry to control and monitor machines. After the final announcement, students had time of one month to complete the course and claim a certificate.

EXCLUSIVE OFFER
for
IEEE UET TAXILA Students!

MINDSTORM ENGINEERING
IDEAS THAT MATTER

*is launching Pakistan's first LMS for
PLC and IIoT*

AUTOMATION PLAY

First course on
"PLC & HMI Basic Training for Beginners"
is available for UET Taxila Students from
3rd September - 9th September for

FREE!!

Link: automationplay.com

Figure 22: Poster of the Webinar

LEADERS HACKATHON

Leaders Hackathon was organized by IEEE Islamabad Section SAC under R10 SAC Membership Development & Leadership Training Fund.

Leaders Hackathon was conducted on **17 September on MS teams**. 2 speakers were invited in the event, Dr. Noshewan Shoaib & Mr. Muhammad Shabbir Hassan. Dr. Noshewan has worked as a post-doctoral research fellow at National Institute of Metrological Research (INRIM), Italy. His current research interests include design & development of 5G MIMO antennas, RF energy harvesting, IoT and microwave active circuits. He gave the Introduction to IEEE RF Societies and RF Energy Harvesting. RF power harvesting begins with an antenna, this antenna can efficiently harvest power radiated from a close bank of frequencies. The webinar gave more insight into low-power devices and Radio Frequency Energy Harvesting. Mr. Muhammad Shabbir is a Senior Lecturer at Riphah International University.



Figure 23: Poster of the Webinar

INTRODUCTION TO IEEE RF SOCIETIES AND RF ENERGY HARVESTING

This webinar was conducted by Dr. Noshewan Shoaib in collaboration with IEEE Islamabad section in which energy harvesting through Radio frequency was elaborated. Different types of design of antennas, and how harvested energy could be utilized in turning on the low power devices was briefly explained, which also included radio frequencies.

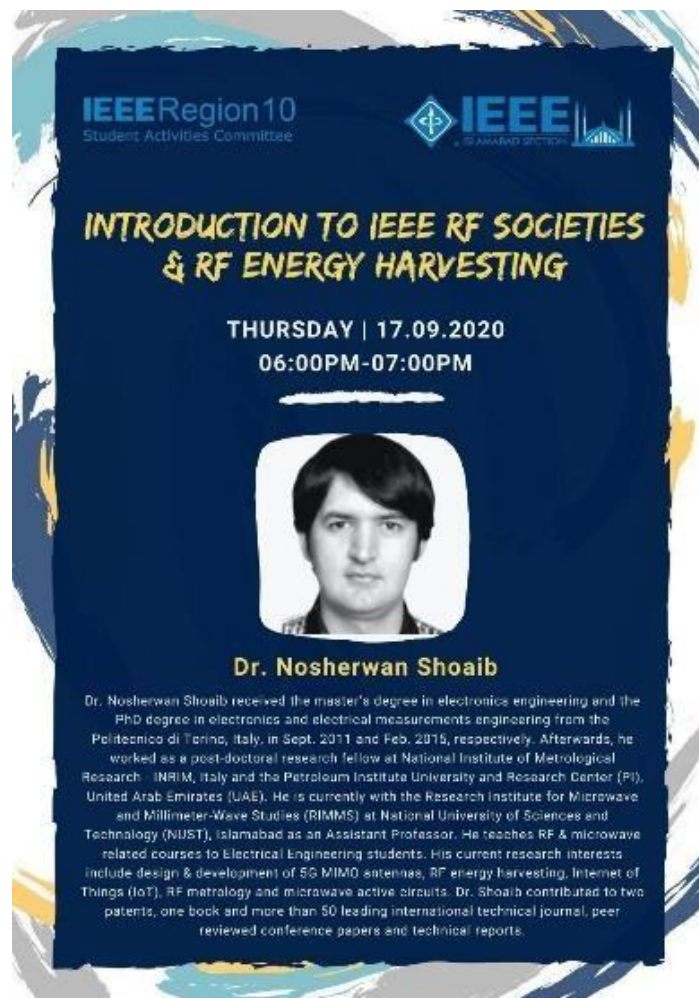


Figure 24: Poster of the Webina

FUNDING FOR FINAL YEAR PROJECT

This webinar was conducted on **17th September 2020** by Mr. Muhammad Shabbir, who talked about the different opportunities present with the final year students for achieving the requisite funds for their projects. He also shared his experience of his work in software and IT project industry. Ignite, a project funding organization essential points about applying for funds were elaborated briefly.

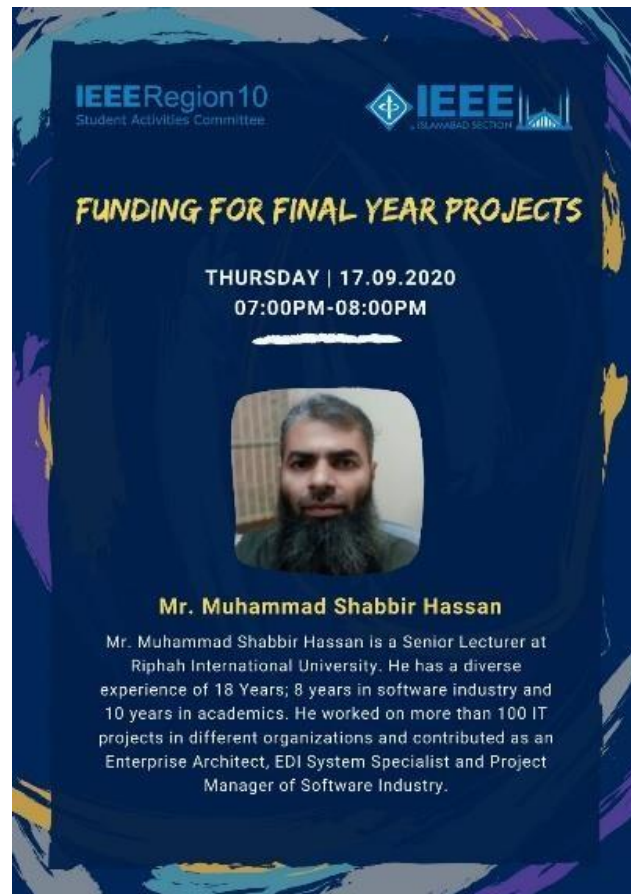


Figure 25: Poster of the Webinar

WEBINAR ON DEEP LEARNING

This webinar was conducted online on **20 September 2020** by Ali Waqas MS scholar at SS-CASE institute. In this webinar, the basics of Deep learning were demonstrated to the participants. The fear of tough mathematical concepts and anxiety of using python was made easy by Ali waqas. He also provided the insight of applying deep learning in the projects, which may play essential role in projects.

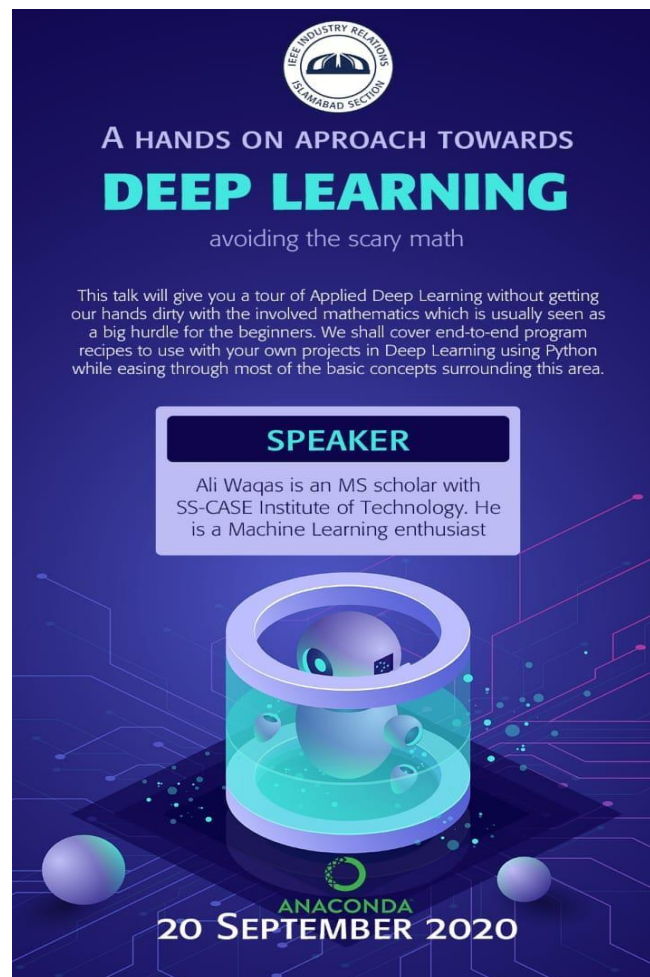


Figure 26: Poster of the Webina

IEEE DAY PHOTO CONTEST

The IEEE day photo contest was conducted on **17th October, 2020**. In this contest, the participant shared the caught pictures and videos and uploaded it on IEEE day website. The best picture and video receive the first position in the contest. It is conducted as a fun activity for IEEE day.



Figure 27: Poster of the Webi

INTRODUCTION TO TiE AND CAREER OPPORTUNITIES FOR IEEE MEMBERS

This event was conducted on **8th October 2020** in partnership with IEEE and TiE a non-profit organization. The webinar was conducted to provide IEEE member the information about Tie. The basic working area of TiE such as mentoring, networking, education, and funding were demonstrated to the IEEE members.



Figure 28: Poster of the Webinar

IEEE DAY GAME MANIA

This event held from **6th to 7th October 2020** as a refresher to IEEE members. As the classes had begun on campus, and to refresh the mind of the IEEE members different small games were conducted online. The games that were included: Ludo, PubG, re-arrange the words, show me, memory game, guess the song, guess the dialogue, and random trivia generator, and are you smarter than grade 5.



Figure 29: Poster of the Webinar

HOW TO STUDY FREE IN GERMANY

For the students seeking higher education in Germany, this webinar was conducted on **17th October 2020**. To guide the students, how they can avail the Germany scholarships and pursue their higher studies in Germany. This webinar was conducted in collaboration with IEEE and step.



Figure 30: Poster of the Webinar

ICE BREAKING SESSION 2020

New batch of 2020 session was welcomed by IEEE in an ice breaking session. IEEE Day was also observed that day.

IEEE Day was observed in the university on **8th October 2020** along with the Cake Cutting Ceremony. Newcomers were also welcomed to the IEEE Family. It was concluded at this group photo of session 2k20.



Figure 31: Group photo of 2020 Session

MENTORING THE MENTEE

This webinar on Mentoring the Mentee was held on **11th October 2020**
at 07:00 pm GMT+5

IEEE Student Branch UET Taxila organized a unique webinar to target graduate and undergraduate students. Mr. Adnan Rafique was invited as the speaker for this webinar. The goal of the event was to give the students an idea of some emerging technologies in the world, and generally what a student should keep in mind while preparing for job applications and interviews.

The session gave a detailed and thorough assistance in making the right career choices after graduation. Mr. Adnan also shared his personal experience in the practical industry regarding different platforms. Final years students as well as those who are in their first years attended the event.



Figure 32: Poster of the Speaker

WEBINAR ON RESET TO RISE

This webinar was held for the empowerment of women in the Tech Fields.

IEEE SB UET Taxila collaborated with ASME UET Taxila Chapter for this webinar 'RESET TO RISE' on **18th October 2020**. The webinar was organized for all the Women in STEM out there. Girls might not believe they can turn their interest in STEM subjects into a career as men do in those fields. It's the job of those of us who work in these fields to show them that women have contributed significantly to STEM fields throughout history despite the odds—and they can too. It was arranged in the pursuit of equipping and allowing women to make life-changing decisions by overcoming the different problems they face in society. The webinar was open for all students especially female students of our campus. In the webinar, our worthy guest speaker Ma'am Faiza Yousuf told us about the role and positions of women in tech and then after entertaining some questions from the audience we got the session ended. After the session, the speaker also shared some freelancing platforms and her e-mail address for further assistance.

The poster is for a 'LIVE WEBINAR' titled 'RESET TO RISE'. It features a photograph of Faiza Yousuf, a woman wearing a hijab and glasses, speaking into a microphone. The text on the poster includes the hashtag #GirlsInTech #YesSheCan #DiscoverYourself #GoBeyondYourself, the date and time 'October 18, 2020 | 4 PM - 5 PM', and a list of agenda points. A 'REGISTER NOW' button is prominently displayed. Logos for various organizations like SIEP, SD, STEP, ASCE, WIE, and TRAC are shown at the bottom.

LIVE WEBINAR

RESET TO RISE

#GirlsInTech #YesSheCan #DiscoverYourself #GoBeyondYourself

October 18, 2020 | 4 PM - 5 PM

Agenda Points:

- Gender imbalance in STEM/Tech
- Workplace Equity
- Reasons behind less confidence in STEM/Tech women and ways to overcome those
- Opportunities for Women in STEM/Tech
- Reasons behind more men winning nobles in science and how to bring women at par.

REGISTER NOW

FAIZA YOUSUF
Founder of WomenInTechPk | Co-Founder of CodeGirls

Logos at the bottom: SIEP, SD, STEP, ASCE, WIE, TRAC.

Figure 33: Agenda of the session

IEEE DAY CELEBRATIONS

IEEE Day was celebrated on **24th October, 2020**.

All the volunteers and members were gathered to celebrate IEEE Day. IEEE Day 2020 focused on “Affordable and Clean Energy” and the “Online Educational & Technical Activities to educate the community.” The celebrations included a brief overview of the year-long IEEE activities followed by a cake-cutting ceremony. The ceremony was also attended by the Counsellor of the Student Branch, UET Taxila.



Figure 34: Cake cutting ceremony

IEEE ORIENTATION

IEEE Orientation was held on **28th October**.

IEEE Student Branch UET Taxila arranged an orientation seminar for the freshmen of newly admitted students of UET Taxila. The students were given an insight about IEEE, its benefit, importance of IEEE, its organizational structure and other such things about IEEE. The students were described how to join the World's Largest Organization and were also motivated to do so.



Figure 35: Presentation by Chairperson IEEE

WEBINAR ON IOT

This webinar on Internet of Things was held on **19th November 2020** at **07:00 pm GMT+5**

IEEE Student Branch UET Taxila in collaboration with TRAC (Taxilian Robotics and Automation Club) arranged a webinar on 'Internet of Things'. IoT is the driving force behind the plethora of innovations and new applications. There were 2 speakers for this event, Dr. Hassan Nazeer and Mr. Bilal Riaz.

The goal of the event was, to understand the basics of the wireless Industrial Internet of Things (IIoT) using wireless technologies from Bluetooth to 5G for industrial environments.

The webinar also offered information on important challenges of IoT such as low and deterministic latency, as well as ways to master them. Additionally, it demonstrated how dedicated measurement solutions can help to understand and optimize key performance characteristics. In the end, the speakers answered all the queries students had regarding IoT and its applications in Pakistan and worldwide.

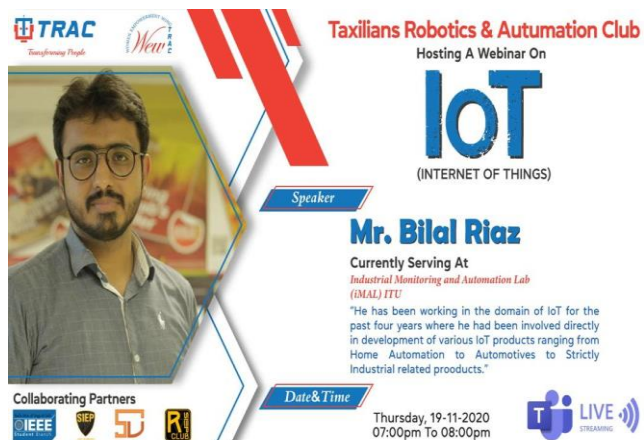


Figure 36 : Poster of 1st speaker

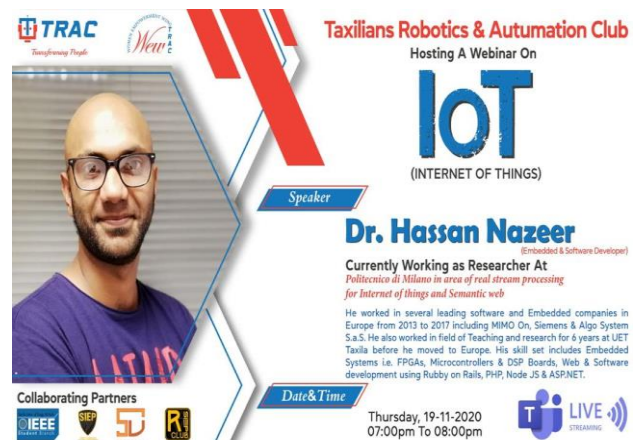


Figure 37 : Poster of 2nd speaker

INDUCTION DRIVE 2020

Induction drive was observed to give a chance to freshman to be part of IEEE.

IEEE SB UET Taxila arranged an induction drive for the sessions 2k20 and 2k19 on **3rd Sep 2020**. This induction drive will have provided freshmen the platform to be a part of the world's largest technology community, to shape their career and to help them acquire new skills. All of them were highly encouraged to grab this opportunity and join hands with us to make the world a better place.



Figure 38: Poster of Induction Drive

INTERVIEWS SESSION 2020

Interviews were conducted for 4 consecutive days in order to induct freshmen in IEEE.

An immense response from juniors was observed in registrations. To ensure a smooth induction process, interviews were divided into four days (4th, 5th, 6th, & 7th Dec 2020) 4:00 pm to 7:00 pm daily. All registered ones were informed about their interview timeslots before the interview day, to make them prepare mentally. Team IEEE, UET Taxila was divided into different panels to observe applicants and grade them based on their skills to make sure a fair induction process.

IEEE SB UET TAXILA

GENERAL MEMBERS INTERVIEWS 2K20

Date
4th, 5th, 6th & 7th of December

Time
04:00PM to 07:00PM

Platform
Microsoft Teams

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Figure 39: Poster of Interviews of 2020 Session

GRADUATE MENTORING PROGRAM

For one-to-one career counselling of students, especially final year students, Graduate Mentoring Program was initiated.

Mentoring is an important aspect of education and realizing this, team IEEE has decided to launch the Graduate Mentoring Program (GMP) for the first time in the history of UET Taxila. To guide students and help them face future challenges we have contacted more than 30 Alumni of UET Taxila from the batch of 1999. These professionals are working in different sectors all across the globe. This session covered these points: Higher education, Ways to improve the prospects of getting jobs, Advice on choosing the career path and Skill and Personality development.

For this purpose, the orientation of all the registered candidates was arranged for **21st December 2020**. Every candidate was directed to a mentor according to his/her needs. There were individual meetings between the mentors and their mentees throughout the semesters for proper guidance and counselling.



Figure 40: Poster of Session

WEBINAR ON INDUSTRIAL AUTOMATION

The webinar on was held to aware the audience about different aspects and algorithms of Industrial Automation.

IEEE Student Branch UET Taxila in collaboration with Electrical Engineering Solution International (EESINT) presented a webinar on Industrial Automation. The webinar was held on **December 24th,2020** at 03:00 pm(GMT+5). Industrial Automation has become an undeniable truth. All the industries, manufacturing lines, and services have automated. After the industrial revolution 4.0, automation has become an integral part of all the processes ranging from small scale applications to complex operations performed in heavy industries.

It is becoming increasingly important for manufacturers to adopt industrial automation and smart manufacturing capabilities to streamline production and boost profit margins. Manufacturers can benefit largely through industrial automation processes to reduce downtime. To enlighten about the various aspects of industrial automation and give a deep insight into the algorithms involved in this technology, IEEE SB UET Taxila provided a platform titled as “Webinar on Industrial Automation”.

IEEE Student Branch UET Taxila
In Collaboration With
Electrical Engineering Solution International (EESINT)
Brings to you a WEBINAR on Industrial Automation.

To enlighten you about the various aspects of industrial automation and give you a deep insight into the algorithms involved in this technology.

IEEE SB UET Taxila invites you to register for this webinar titled, 'Industrial Automation'.

INDUSTRIAL AUTOMATION WEBINAR

24/12/2020
03:00 PM
MS TEAMS

Joining details will be shared with you via the contact details that you'll provide in the registration form. Certificates will also be provided to all the attendees.

f ieeeuett | @ ieee_uettaxila | web.uettaxila.edu.pk/ieee

Figure 41 : Poster of Session

Contact Us

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6. Facebook Pages

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7. Instagram Page

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