



Annual Report

IEEE STUDENT BRANCH UET TAXILA

2022

<https://www.ieee.org/>



TENURE DETAILS

IEEE STUDENT BRANCH UET TAXILA

Following are the details mentioned that IEEE went through the TENURE 2022.

REPORT TYPE: ANNUAL

YEAR REPORT: 2022

GENERAL INFORMATION

STUDENT BRANCH NAME	University of Engineering and Technology, Taxila
STUDENT BRANCH CHAIR	SYEDA FIZZA SHOAIB
IEEE NUMBER	97007176
CONTACT NUMBER	+92 333 5132423
EMAIL ADDRESS	fizzashoaib@ieee.org
NAME OF BRANCH COUNSELLOR	DR. SIR FAISAL NADEEM
IEEE NUMBER	97531900
CONTACT NUMBER	+92 334 5342599
EMAIL ADDRESS	faisal.nadeem@uettaxila.edu.pk
TOTAL STUDENT MEMBER	140
TOTAL HIGH GRADE MEMBER	70
TOTAL STUDENT MEMBERS RECRUITED IN THE LAST 3 MONTHS	35.
TOTAL HIGH GRADE MEMBERS RECRUITED IN THE LAST 3 MONTHS	25.

Dr. Muhammad Faisal Nadeem Khan

Syeda Fizza Shoaib

GENERAL BODY MEETING 2022

IEEE SB UET TAXILA arranged a GBM in order to make General members aware about the working of society and encourage them to volunteer on **17 May 2022 11:00 AM**. In this GBM all the different sections working in society were covered and their work was thoroughly explained to general members. In addition to that their queries regarding volunteering were also being addressed. It was a success because it ended up being an encouragement for general members to partake in the working force of society.

IEEE SB UET TAXILA arranged a GBM in order to make General members aware about the working of society and encourage them to volunteer. In this GBM all the different sections working in society were covered and their work was thoroughly explained to general members. In addition to that their queries regarding volunteering were also being addressed. It was a success because it ended up being an encouragement for general members to partake in the working force of society.



Figure: poster of General body meeting

An Insight to GIT and GITHUB

To aware the students of **IEEE, student branch, UET TAXILA** about every aspect of GIT and GITHUB as well as the concept of Cloud Computing.

The Technical workshop was conducted in order to spotlight the importance of **GIT and GITHUB** on **August 20, 2022** of our honorable speaker **Mr. RAHEEL SIDDIQUI**.

Cloud computing offers numerous benefits, including increased scalability and flexibility, cost savings through pay-as-you-go pricing models, improved data backup and disaster recovery capabilities, enhanced collaboration and accessibility, and simplified IT infrastructure management. It enables organizations to quickly scale resources up or down as needed, reduces upfront infrastructure costs, ensures data resilience, promotes collaboration across geographies, and allows businesses to focus on their core competencies while leaving the infrastructure management to cloud service providers.



Figure 1: Poster of an insight to GIT and GITHUB

Stem 2.0

A series of **13 webinars** was conducted consisting of different and a variety of technical modules from 22nd august to 5th September 2022

IEEE PES and IEEE WIE AG, UET TAXILA announced a series of events as "STEM 2.0" to foster young minds with STEM activities and ventures. STEM is important because it penetrates every part of our lives. These activities provide hands-on and minds-on lessons for the students that encompass the whole range of experiences and skills.

MODULES:

- Introduction to Selling Copywriting Services on Fiverr
- Cyber security Innovation as the Backbone of Future Transformation
- Acing at Emotional Intelligence
- Smart Grid: The Future of Electrical Power System
- Dare to Lead



Figure : poster of Stem module

Membership Development Conference

The conference was held to introduce the importance of Membership Development Conference in students on 31 August 2022, of IEEE student branch, UET TAXILA.

These members were presented with **Membership Certificates** by **IEEE Student Branch Counselor Dr. Gulistan Raja** and **Dr. Haroon**.

Membership development provides a sustainable revenue source, fosters a sense of belonging and community, enables networking and collaboration, and offers exclusive resources and educational programs. It ensures organizational stability, encourages member engagement and retention, and facilitates professional development.

1. Selling Copywriting Services on Fiverr.
2. Cyber security Innovation as the Backbone of Future Transformation
3. Emotional Intelligence
4. Application Development and Freelance Opportunities
5. An Introduction to the Paradigm of Machine Learning



Figure 2. Poster of membership development conference

STUDY ABROAD SERIES

Chapter 1: A ROADMAP TO GERMANY

The webinar was conducted on September 06, 2022 in order to track the road map to study in Germany for students of **Electrical and Electronics engineer** of **UET TAXILA**.

The session started with a short introduction of our honorable speaker **Mr. Tallal Farooq** is an alumnus of IEEE UET TAXILA. He is also an alumni of **UET TAXILA** and

FAU Erlangen-Nurnberg University.

Pakistani students pursuing master's studies in Germany can benefit in several ways. Firstly, German universities offer a wide range of scholarships specifically designed for international students, including those from Pakistan. Secondly, studying in Germany provides access to world-class education and research opportunities, enhancing academic and professional development. Thirdly, Germany has a welcoming and multicultural environment, fostering cultural exchange and integration. Additionally, earning a degree from a German university enhances employability both in Pakistan and internationally, opening doors to diverse career opportunities.



Figure 3: Poster of study abroad series

STUDY ABROAD SERIES

Chapter 2: ERASMUS MUNDAS

For students **IEEE, Student Branch, UET TAXILA**, the seminar was conducted on 9th September 2022 by **IEEE, Student Branch** and this was very helpful for our student.

The session started with a short introduction of our honorable speaker **Mr. Muhammad Shoaib** is an alumnus of **Erasmus Mundus scholarship** and sustainability consultant. He is also an alumni of NUST.

Erasmus Mundus scholarships offer Pakistani students the chance to study at renowned European universities, with benefits including prestigious education, cultural exchange, financial support, global networking, language skills enhancement, and improved career prospects through an internationally recognized degree.

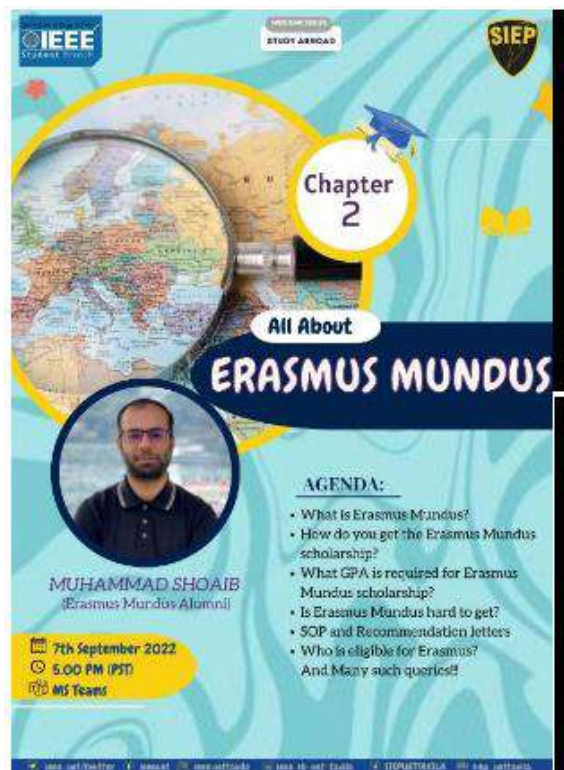


Figure 4: Poster of study abroad series

Do's and Don'ts of Interview

IEEE WIE AG, IEEE PES SC and ASME **UET Taxila** in association with **ASCE, NYA, SIEP, Softdesk** and **IISE** join hands with **Amal Academy** conducted the eleventh module of STEM 2.0 on the topic " Do's and Don'ts if interviews " on September 02, 2022

Interviews are an essential component of your professional life whether you wish to secure your dream job or plan to study overseas.

Our honourable guest speaker Umme Hania Saleem highlighted many Important points that how Interviews are an essential component of your professional life whether you wish to secure your dream job or plan to study overseas. Our guest speaker guided us about how to prepare ourselves for an interview, its do's and don'ts & how to present our positive image infront of professionals.

In the end she informed about major preparation steps for an interview. This was followed by an interactive Q&A Session.

The event went quite informative and successful and students showed great interest

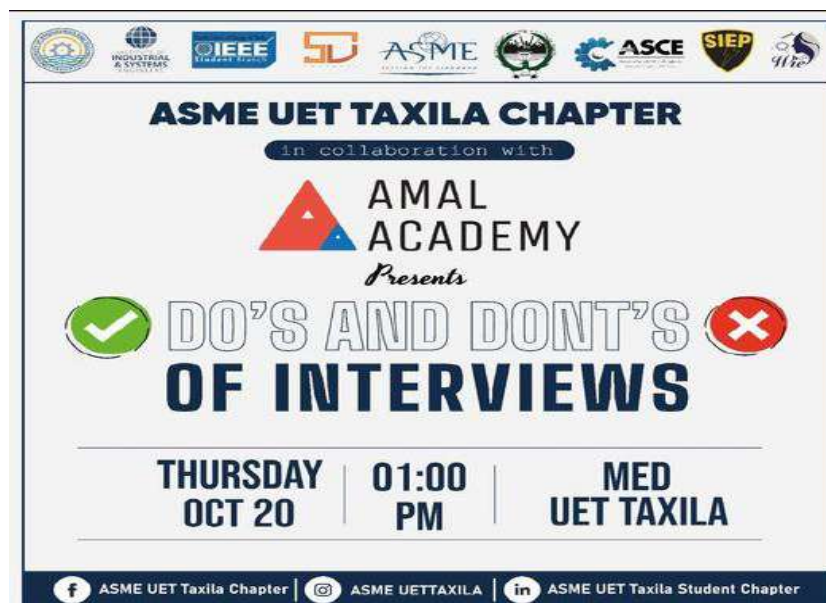


Figure: Poster of Do's and Don'ts if interviews

Hosting of IEEE Islamabad Section JOINT VENTURE

IEEE Student Branch UET TAXILA was selected as the host for IEEE Islamabad Section JOINT VENTURE.

IEEE Student Branch UET Taxila hosted Islamabad Section event named Joint Venture on 19th September, 2022.. Team IEEE UET TAXILA cordially welcomed all Student Branch Cabinets of Islamabad Section to join and be a part of this event.

The efforts of all Volunteers and the support of all Cabinet members played a great role to make this event memorial and successful.



Figure: Poster for Joint Venture

Recruitment Drive for Directors and Deputy Directors

IEEE UET Taxila opened its Recruitment Drive for Directors and Deputy Directors for the academic year 2022-2023 from September 22 to October 1, 2022.

Every member was encouraged to take this opportunity and apply for it. General members from 2k21 applied for Deputy Directors, whereas Deputy Directors from 2k20 applied for Directors. Portfolio was must for 2k20 session, although 2k21 session was encouraged if they submit their portfolio for required post.



Figure: Poster for Recruitment Drive

SOFT SKILLS COLLOQUIUM

IEEE UET TAXILA along with SIEP UET TAXILA started it's mega event "Soft skills Colloquium" from September 24, 2022.

This event comprised of different webinars as well as different seminars. It consisted of seven modules:

1. Growth Mindset
2. How to handle a graduate interview
3. Stress and Time management
4. The art of effective writing
5. Choosing the right dress code
6. Professional Development
7. Fear of Public speaking

Both the Cake cutting ceremony and Closing Ceremony of the event were held on Monday, 10 October 2022.

The event proved to be a true success based on the feedback of students who attended and found it both insightful and engaging.



Figure: Posters for Soft Skill

IEEE Day celebration

IEEE Day 2022 Cake Cutting ceremony was held on 07 October 2022 by IEEE UET Taxila . on behalf of *IEEE DAY 2022 Ambassadors* from Asia pacific region.

1. Mr. Azeem Ahmad Ch.
2. Ms. Syeda Fizza Shoaib Zaidi

it was the good way for members and students to learn more about IEEE and IEEE Day and it's benefits along with enjoy. There was a delicious treat at end too.



Figure: Poster IEEE day 2022

Roadmap to Huawei ICT

IEEE UET Taxila Chapter in collaboration with SIEP organized a seminar on Roadmap to Huawei ICT Competition on October 12, 2022 in EED.

This event was a huge success and many students got themselves registered for Huawei ICT Competition. It was our immense pleasure to announce that two students from EED are selected as Ambassadors of Huawei ICT Competition 2022-23.

1. Syeda Fizza Shoaib Zaidi

2. Ali Asad

The ambassadors invited Mr. Zeeshan Iqbal as our guest speaker for the seminar.

The event proved to be a true success based on the feedback of students who attended and found it both insightful and engaging.



Figure: Poster of Roadmap to Huawei ICT Competition

Orientation 2k22

IEEE UET TAXILA in collaboration with SIEP and Electrical Engineering Department arranged an orientation session for the freshmen on October 13,2022.

The event included the guidance about OBE education system, departmental tour, Labs overview, Ice breaking activities followed by introduction to EED societies and their importance. The event was concluded by a group photo illustrating the sign 22.

The event proved to be a true success based on the feedback of students who attended and found it both insightful and engaging.



Figure: Poster of Group photo illustrating the sign 22

Induction Drive for General members

Team IEEE Student Branch UET Taxila conducted Induction Drive'22 for the recruitment of new batch from 20 to 21 october,2022 at EED

This induction drive provided the platform for being a part of the world's largest technology community, to shape career and to help acquire new skills.

In this induction drive, all those who had registered were requested to give their interviews After the interviews, shortlisted candidates were notified through email/phone to start serving as general members of the society.

Such a massive and enthusiastic response from the new batch was overwhelming for IEEE UET Taxila.



Figure: Poster of Induction Drive'22

A ROADMAP TO AUSTRALIA

IEEE Student Branch organized the chapter three of study abroad. 'Roadmap to Australia' on 2nd December, 2022

Event began with the introduction of our great speaker **DR. MAMOONA KHALID**. She is a complete master at Curtin university Australia. She was a founder of photonics research group and is currently serving as a lecturer at the University of engineering and technology, Taxila.

The session was overwhelming and informative. She began with an embassy procedure and appointment system to Australia. She clearly elaborated the whole roadmap by saying that IELTS is important as well as Language learning plays an important role in studying in Australia. Finally, she mentioned the basic requirements of Letter of Motivation and Recommendation Letter.

There were about 70 participants, and their all queries were cleared by our speaker. The event was very successful.



Figure: Poster of Roadmap to Australia

ELECTRA '22

IEEE Student Branch, UET TAXILA conducted Electra-22 in the Sports Week from 5th to 9th December 2022.

The event was hosted by **IEEE Student Branch, UET TAXILA**. Many fantastic games including Ludo, Chess, Cards, Spelling Bee, Scavenger Hunt, Say It/ Act It, Minute to Win it were played during the Sports Week. The main motive of this event was to provide a platform for the students to release the academic stress of the year. Finally, the event ended on 9th December 2022. The prize distribution ceremony was held **on 22nd December 2022**.



Figure: Poster of Electra'22

Design Of Solar Ground-Mounted and Rooftop System and Its Performance.

IEEE Student Branch, UET Taxila hosted a webinar on **Design of Solar Ground-Mounted and Rooftop Systems, Performance Analysis Method** by using **PVSYST Simulation Software** was conducted on **Microsoft Teams**, **9th December 2022 at 6:00 PM**.

The webinar starts with the introduction of our guest speaker **SARAVANAN SP**. He is a **Ph.D. in Electrical Engineering** and **Specialization in Energy Systems, Microgrids, Smart Grids, Energy Economics, Control Applications etc.** He is currently serving as a Deputy General Manager in **ARCVERA RENEWABLES**.

The speaker provided insightful knowledge about the energy generation and performances of rooftop and ground-mounted systems. He also describes the residential and commercial working of the system. The speakers also describe the working of solar in ground-mounted and rooftop.

There was an overwhelmed response from attendees. In the end, the speaker answered the queries of the attendees.



Figure: Poster of Design Of Solar Ground-Mounted and Rooftop System and Its Performance

Welcoming the FFC Team

On 12 December, 2022 IEEE UET Taxila welcomed the team of Fauji fertilizer Company, They interacted with the final year students and also explained the procedure and benefits for applying in FFC which will be beneficial for all of the students. After the session interviews were held.



Figure: Poster of Welcoming the FFC Team

Seminar on Impact of Electric Vehicle Charging Load On Low-Voltage Distribution Systems.

On 12 Dec, 2022 IEEE Uet Taxila in collaboration with IEEE PES and IEEE WIE AFFINITY GROUP conducted the seminar on Impact of Electric Vehicle Charging Load on Low-Voltage Distribution Systems.

Our honorable guest speaker was Dr. Irfan Khan Assistant Professor, Texas A&M University, Texas, USA who was there to share his experience in this field. The faculty members also joined the session along with undergraduate and postgraduate students.



Figure: Poster of Seminar on Impact of Electric Vehicle Charging Load On Low-Voltage Distribution Systems.

POF Wah Industrial tour

On 20th of December, 2022 an Industrial tour was arranged by IEEE UET Taxila to POF Wah Power House. The main motive of this industrial tour was to familiarize the IEEE volunteers with the professional and practical environment of their respective field of studies. The IEEE volunteers got a chance to explore and learn new techniques and gained much information regarding various topics.

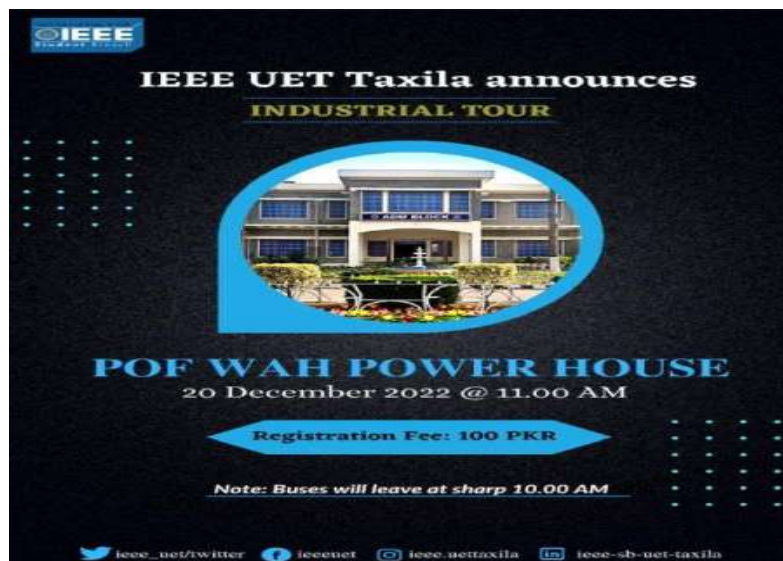


Figure: Poster of POF Wah Industrial tour

Demystifying The Arduino

On 4th of January, 2023 IEEE UET Taxila held a webinar on one of the most hot topics in technology, “ Arduino”

Arduino is a software application for engineers. It is a platform for open source electronics and coding. It enables you to program various devices and create gadgets, well-suited to your requirements & desires. IEEE SB UET Taxila provided an opportunity to the students to become acquainted with this innovative application by hosting a webinar on Arduino and its applications.



Figure: poster of Demystifying The Arduino

FFFL MTO PROGRAM 23'

Fauji Fresh and Freeze Limited(FFFL) came up with Management Trainee Officer (MTO) Program on 15th March,2023 which onboards and develops young talent to become future leaders.

FFFL is wholly owned subsidiary of the Fauji Fertilizer Company (FFC) which held a recruitment drive at UET TAXILA. They gave a brief introduction about their manufactures, the eligibility criteria and employment policy. After that, the students were asked to reach for the interviews.

It was mandatory for Students of 8th semester and 6th semester to apply for this as opportunities of employment knock the door once.

The event went quite informative and successful and students showed great interest

IEEE Student Branch **SIEP**

FFFL MANAGEMENT TRAINEE PROGRAM 2023

Position Title: Management Trainee Officer (1 position against each discipline)

1. Engineering/Technical (Agri, QA, Mechanical & Electrical)
2. Management (Supply Chain, Sales, Marketing, HR, Finance)

DURATION & PLAN

2-3 Hours (1 hour for Company introduction & QA + 1 Hour for written Tests)
March 15, 2023 Time : 10AM - 12PM

ASSESSMENT PROGRAM FOR MTOS :

Step 1:
Initial Screening (For recruitment drive the min. CGPA should be 2.8 and the discipline to apply should be relevant to the position, should be graduating in May/Jun'23)

Step 2:
Written Tests (to be conducted at the venue)

Step 3:
Presentations Round (After the written tests, virtual interviews will take place and subsequently the qualifying students will be called in for a physical presentation round at the nearest office)

Step 4:
Final Interview (with the leadership)

Figure: Poster for FFFL MTO Program

Hosting Visit of DESCON

On 3rd April, 2023 IEEE UET Taxila welcomed the team of Descon. In which they interacted with the final year students and guided them about the job opportunities. They also explained the procedure and benefits for applying in Descon.



Figure: Poster of visit of descon

CABINET INTERVIEWS

IEEE STUDENTS BRANCH UET TAXILA conducted interviews on 13th April 2023 for cabinet shift on Microsoft teams.

In this interviews cabinet is transferred and all new members are appointed on the basis of working, specialty and who deserve. All the ex-cabinet members were present in interviews, and they decided a final decision.



Figure : Poster of Cabinet interviews

Handing Over Ceremony

This handing over ceremony is arranged on 26th may 2023 for those seniors who had services for **IEEE SB, PES, WEI and handing** over all cabinet seats to juniors.

The session started with a short introduction of our honorable speaker **Dr. Farzana Kausar** .

The Handing Over ceremony of an IEEE student branch society offers numerous benefits. Firstly, it ensures a smooth transition of leadership, allowing for the continuity of the society's activities and initiatives. Secondly, it provides an opportunity for knowledge transfer and mentorship, enabling outgoing leaders to share their experiences and guide incoming leaders. Additionally, the ceremony promotes networking and collaboration among society members, fostering a sense of community and engagement. Moreover, it recognizes and celebrates the achievements of outgoing leaders, motivating and inspiring future leaders to actively participate in the society.



Figure 5: Poster of Cabinet Handing over ceremony

FAREWELL

IEEE UET Taxila was delighted to open up the curtain for the much anticipated event of every tenure Farewell Cabinet for the tenure 2022-23. A farewell ceremony was held for Cabinet 19 on June 5th, 2023, at Adventure Resort, Khanpoor.

All IEEE members and students came together to bid farewell to the outgoing 2019 batch. The guests were welcomed by the stage organized with a promise for making the day memorable. Thus, an environment of enthusiasm was experienced and it was a memorable event. Everyone took the opportunity to get them clicked.

The ceremony was concluded with goodbyes and wishes that their paths would cross again in the near future. The glorious example set by them as student leaders would continue to live on in the hearts of their juniors. The event was ended at a group photo session and refreshment.



Figure: Poster of Farewell Cabinet