



IEER, UET

IEER

NEWSLETTER

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Prof. Dr. Amir Ikhlaq

Director's Message

We at IEER work diligently to provide the best educational resources for our students and this newsletter will allow you to view the progress we have made with regards to academic and co-curricular activities and our achievements. We have been purposefully developing a confident and competent student body by providing them with high quality technical education and appropriate training of modern practices. We hope to keep bringing news of our students and faculty's performances, achievements, and activities in the future as well.



Dr. Mehwish Anis

Program Coordinator's Message

This newsletter is an excellent effort of the Editorial Board to keep you updated with the latest news about the institute, students, alumni, and faculty. I am proud to share with you that we have maintained our tradition of providing quality education under the umbrella of Outcome Based Education (OBE). This would not be possible without the tireless efforts, hard work, devotion, and commitment of our highly qualified faculty.

We provide a contemporary experience to our students that encompasses an updated technological curriculum as well as professional development. We have been focussing on developing a strong liaison with stakeholders like our alumni, industry, and peer organizations, for our mutual benefit and the betterment of the society at large. We look forward to keeping you posted on our progress on each of these vital fronts, and on the remarkable accomplishments of our students, faculty, and alumni.

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Table Of Content

| | |
|--|----|
| Faculty Research | 1 |
| 7 th and 8 th IAB Meetings of IEER | 1 |
| Best Teacher Award | 2 |
| 30 th Convocation | 2 |
| IEER Research Awards | 3 |
| Capacity building of IEER faculty | 3 |
| Alumni Guest Lectures | 4 |
| Plantation drive (US Denim and EPD) | 5 |
| Orientation Ceremony for Session 2023 | 6 |
| Students Achievements & Activities | 7 |
| Innovative FYDPs | 7 |
| Extra-curricular Activities | 14 |
| Faculty of IEER | 15 |

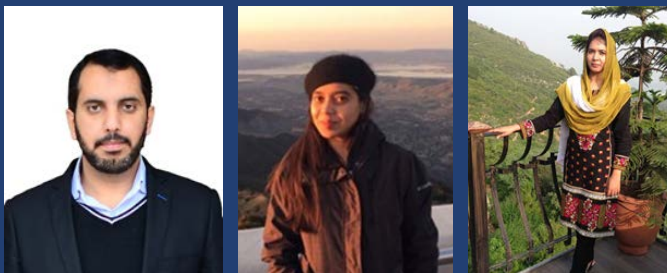
NEWS & EVENTS

1. Faculty Research

In the academic year 2023, the faculty of IEER published 16 research papers in reputable International Journals with Impact Factor. These publications have been cited in more than 126 journals and books.

2. Promotions & Appointment

In June 2023, Dr. Ghulam Hussain was promoted to the position of Associate Professor. Furthermore, IEER welcomes new faculty members, Dr. Fizza Zahid and Engr. Asma Imam, who have joined as Assistant Professor and Lecturer, respectively. These advancements and additions are anticipated to significantly contribute to the overall performance of the Institute as it continues to strive for excellence.



3. 7th and 8th IAB of IEER

IEER effectively organized the 7th and 8th IAB meetings on

May 23rd and December 11th, 2023, respectively. The discussions included exploring opportunities for collaboration and co-advisership in Final Year Design Projects. Additionally, the 8th IAB meeting extensively addressed curriculum revision, capturing valuable suggestions of IAB members for consideration. Esteemed guests from NESPAK, MMP, EPD, WASA, WWF-Pakistan, PCSIR, GCU, and LWMC attended these meetings.



7th IAB meeting of IEER



8th IAB meeting of IEER

4. Best Teacher Award

In May 2023, Prof. Dr. Syed Mansoor Sarwar, the esteemed Vice Chancellor of UET, expressed appreciation for the dedication and hard work exhibited by all faculty members in a ceremony held at VC office. Additionally, he revealed the names of the outstanding teachers from each department, determined through a survey overseen by him and conducted among final-year students. Dr. Ghulam Hussain (Associate Professor), and Prof. Dr. Amir Ikhlaq (Director & Professor), were honored with the joint Best Teacher Award for two consecutive years. Certificates of appreciation were given to them by Worthy Vice-Chancellor.



5. Upgradation of computer lab

New state of the art computer systems have been added in the computer lab. These new machines are equipped with the latest technology to elevate the computing experience for students. These additions will establish a more efficient and advanced environment for all users, empowering them to explore and maximize these resources in their academic and research endeavors.



6. 30th Convocation

The 30th Convocation of UET took place on November 20, 2023, honoring the graduating students of B.Sc., M.Sc., and Ph.D. Governor of Punjab and UET Chancellor, Muhammad Baligh ur Rehman, presented a gold medal to Ms. Aliza Kanwal for securing 1st position in the graduating class of B.Sc. Environmental Engineering, session 2019. Additionally, Ms. Aliza Kanwal received commendation for her

outstanding accomplishments, as a certificate of excellence from IEER management. A delightful degree distribution ceremony was organized for all undergraduate and postgraduate students of IEER.

- Azka Tariq
- Osama Shaheen Rizvi
- Hira Khalid
- Reeja Nawaz
- Warda Raheem
- Zafar Masood
- Zarafshan Ali
- Iqra



7. IEER Research Awards

IEER management has introduced Research awards for the outstanding research students of IEER for their recognition. Certificates were awarded to the selected ones on 30th Convocation ceremony. The students were selected based on their research quality, publication impact factor and citations. The following students were recognized for their outstanding research work:

- Qurat ul Ain
- Azka Tauseef
- Arfa Iqbal

8. Capacity building of IEER faculty

IEER has initiated a transformative journey for faculty members by commencing the Leadership Program designed by Maxwell Foundation. This training program aims to cultivate and enhance leadership skills among the faculty members. IEER believes that investing in leadership development is essential for the continued growth and success of our department.

In the first workshop of this transformation table series, Mr. Abid Wazir Khan (CEO FAIDA Foundation), was the facilitator.



experiences with the current students.



Seminar on wastewater treatment projects in Pakistan by Mr. M. Atiq Farooqi (Session 2006)



Seminar on ISWM implementation and sustainability (constraints & way forward) by Mr. Ahmad Hassan (Session 2007)

9. Alumni Guest Lectures

IEER has initiated a series of alumni guest lectures aimed at enriching students with practical insights from the industry relevant to their coursework. Alumni of IEER actively returned to IEER, graciously sharing their



Seminar on selection of most feasible wastewater treatment technology for Lahore City by Mr. Sohaib Anwar (Session 2008)



Seminar on Sustainable Development by Ms. Shahooda Anwar (Session 2008)



11. Community Service Program by Session 2020

IEER continues to instill a sense of social responsibility in its students through the SSR program. The Social Responsibilities projects of final year students are currently in progress, spearheaded by Salleh Faisal, Salma Rani, and Farah Iftikhar from the 2020 session, with the full support of the IEER community. The campaign encompasses initiatives such as fundraising for underprivileged school children, promoting road safety awareness, and combating plastic pollution within the university premises.

12. Students' Life Changing Workshops

IEER introduced a series of transformative workshops, known as Life-Changing Workshops (LCW), initially tailored for final-year students of the 2020 session. Given the positive responses received, IEER has extended this program to encompass all sessions,



Seminar on design & operation of WWTP at textile industry by Mr. M. Hamza Afzal (Session 2012)

10. Plantation drive in collaboration with US Denim and EPD

IEER Faculty participated a tree-planting initiative orchestrated by US Denim and EPD Punjab, fostering a sense of environmental responsibility and ownership. US Denim donated 100 plants for this drive. This endeavor contributed to revitalizing the surroundings of IEER and generated awareness among students. In addition to this, 6,000 plants were donated to UET Main and sub-campuses by various industries through EPD. This generous donation of plants, to make UET green was possible with efforts of M. Imran Mayo (Deputy Director of EPD), an alumnus of IEER.

recognizing the importance of imparting essential skills to students for effective competition in both local and international job markets.

- Emotional Intelligence
- How to handle long documents
- Moral Values
- Self motivational strategies
- Interpersonal skills
- Non technical writing skills

13. Orientation Ceremony for Session 2023

The newly inducted session (2023) of B.Sc. Environmental Engineering and B.Sc. Environmental Science was given a welcome and orientation session. The students were informed about the rules and regulations of the Institute, the Outcome Based Education (OBE system), Learning Management System (LMS), and the scope of the programs. The department also set up a student information desk during the orientation ceremony specifically for newly enrolled students. This desk was designed to

offer information regarding university facilities, academic opportunities, scholarships, and extracurricular activities



Students Achievements & Activities

1. Highest CGPA Achievers

Showcasing the keenest and most accomplished students of IEER.

- Farah Iftikhar (Session 2020)



- Hassan Ali (Session 2021)



- Arooj Fayyaz (Session 2022)



2. The Innovative FYDPs

Pakistan Engineering Council (PEC) conducted the 2nd All Punjab Universities Innovation Expo-2023 in which the following five FYDPs from IEER were nominated for the exhibition:

- Water conservation in textile industry through treatment plant modification and rain water harvesting supervised by Dr. Mehwish Anis
- Implementation of multicriteria decision-making methods (MCDM) for selection of municipal solid waste management (MSWM) strategy in the city of Lahore to maximize sustainability supervised by Engr. Gul e Hina
- Removal of dyes from textile dyeing wastewater using adsorption process supervised by Engr. Sahar Aurangzeb
- Fabrication of Ultrafiltration Membrane Blending with ZnO Nanoparticles for Accelerated Degradation of Tetracycline Using an Advanced Oxidation Process supervised by Engr. Qurat ul Ain

- Retrofitting of the existing industrial building to improve its sustainability and energy performance supervised by Engr. Azka Tauseef



3. Launch of IEER Climate Action Forum (CAF)

IEER students established a departmental society, named the IEER Climate Action Forum (CAF). The vision of this forum is to stimulate awareness and offer sustainable solutions for addressing and mitigating the impacts of climate change.



CAF UET arranged an induction and promotional desk, extending an opportunity for IEER students to join the induction. The desk garnered considerable success, attracting visits from the Vice Chancellor and DSA UET, both commending the team for their efforts in promoting environmental awareness among the community.



• CAF Smog Awareness Campaign 2023

CAF organized the Smog Awareness Campaign 2023 across various schools. All CAF members actively participated in the successful execution of this campaign, which aimed to educate young children about the processes leading to smog formation, its health impacts, and effective control measures. The campaign yielded significant positive outcomes, earning commendation from school heads and faculty members for its impactful spirit.

14. Industrial Tours

To expose students to a professional working environment, Dr. Mehwish Anis, Dr. Ghulam Hussain, and Engr. M. Tanveer accompanied the 2021 session on a visit to the Lakhodair Landfill site. Mr. Ali Saleem (Senior Management Landfill, and Alumnus of 07 Session) facilitated the visit. The students were provided with an overview of the site, and live operations were telecasted for them to witness. Subsequently, the group visited a composting plant where students observed the ongoing composting process and the utilization of different equipment.



Engr. M. Tanveer accompanied the 2021 session on a trip to the water supply tubewells and sewage pumping stations administered by WASA Lahore. Mr. Tayyab Malik, Deputy Director at WASA, guided the visit. The students received an introduction to the site, and live operations were broadcasted for their firsthand experience. Additionally, the organizational structure of WASA was explained to the students.





4. Intra-Departmental Seminar on the International Water Day

Engr. Talha Aleem, an alumnus of UET, IEER and Assistant Engineer at Punjab Rural Municipal Services Company (Local Government Punjab), spoke at a seminar conducted at IEER in collaboration with the CAF to spread awareness about the importance of the water and sanitation crisis. He enlightened the attendees on Indus Water Treaty, its impacts and role of stake holders in combating water scarcity.



5. Series of Transformation Tables for IEER Students

Building upon the success of the Maxwell Foundation Leadership Programme with the faculty, Prof. Dr. Sajjad Haider extended the program to students. The objective is to instill essential leadership qualities, empowering them to represent IEER with enhanced capabilities. IEER has planned to extend this workshop series for other sessions as well.



6. IEER showcasing Talent at Different Platforms

- **Winners of PolHack 2023**

Students of 2020 session, namely Laiba Bashir, Warda Fatima, Shireen Qasim,

Taha Baloch, and Sharjeel Rashid, won first place in POLHACK'2023, an idea based hackathon competition arranged by IET UET and IET ITU. The topic of hackathon was environment and sustainability. The winning teams' idea consisted of modifications in the traditional solar based irrigation system. It's worth noting that the student who secured the second place is also from the 2021 session of environmental engineering.



- **Winners of 'Beat Plastic Pollution' Competition**

Two teams of IEER students participated in a poster and idea competition titled as 'Beat Plastic Pollution' at GCU, Lahore. One team consisting of students from environmental engineering 21 session, namely Eman Waris, Sawera Akhtar, Ayesha Akram, Noor and Rida Anwar, won the idea competition, and the other team consisting of students from environmental sciences 22 session, namely Abdul Monam, Aleesha

Munir, Deena Afzal, Natasha Waheed, and Laiba Hameed won the poster competition. The competition was in collaboration with WWF-Pakistan and both of the IEER teams won first prize in their respective domains.



- **Excellence of IEER Students in Debating and Declamation**

Mahnoor Khalique from session 2020, continues to excel in debating. She won the team trophy and 1st Best Speaker at FC College, runner up at the UOL 9th All Pakistan Parliamentary Championship, 3rd Best Speaker and Consolation at Zaboor e Ajam, Quarter Break at FMH College, and the Semi Finalist at ICLS.



Sharjeel Rashid from 2020 session secured Third position at the All Pakistan Declamation Contest organized by the Khalifa Debating Society.

• **Wall Painting at the Annual Street Art Event**

Nimra Ahad, Fatima Tanveer and Tooba Farhan participated in the Annual Street Art event of UET. Their mural had environmental themes and focused on water scarcity in Pakistan, how it affected the surroundings, and the pain and trauma that comes with it.



• **Second Position at the Planet Forward Pitch Fest**

Komal Jehangir and Qurat ul Ain competed in the online Planet Forward Pitch Fest organized by the Society of Environmental Engineers UET Taxila. They presented an idea on the **“Mitigating the Effects of Global Warming by Seeking Alternatives Solutions to Lower Indoor Temperatures in Buildings and Homes, Reducing Reliance on AC Systems”** and won second position.



- **Representation at the COP In My City Event**

Three students from the session 2020, Huba Binte Aslam, Qurat Ul Ain and Ayesha Abdul Jabbar, participated in the annual COP In My City Event. They qualified for the regional stage of the competition and served as representatives for the Global North.

- **7. IEER students spearheading university organizations**

IEER students actively engage not only in academic pursuits but also take the lead in extracurricular activities, participating in various societies at UET.

- Laiba Bashir - President CAF, Vice President Uraan



- Sharjeel Rashid - Vice President CAF



- Mahnoor Khalique - Girls Coordinator & Treasurer DS, Chief Coordinator IET, Head Outreach Uraan



- Hiba Zulfiqar - Director Sponsorship AKS, Director Planning & Co Head Sponsorship IET



- Sawleha Mobeen - Head of Environmental Chapter IET



- Amna Hanif - Director Content Zimal



- Ulliya Khokhar - Director HR Wasaib



- Junaid Shah - Director Media BDS



Extra-Curricular Activities



- Visit to Water Supply Scheme Haro River- Session 2019



- Sharan Trip - Session 2020

IEER FACULTY



Dr. Amir Ikhlaq

Director & Professor
(Ph.D. Env. Sciences)



Dr. Mehwish Anis

Program Coordinator &
Associate Professor
(Ph.D. Env. Engg.)



Prof. Dr. Sajjad H. Sheikh

Professor
(Ph.D. Env. Engg.)



Dr. Umar Farooq

Associate Professor
(Ph.D. Analytical Chem.)



Dr. Irfan Jalees

Associate Professor
(Ph.D. Chemistry)



Dr. Ghulam Hussain

Associate Professor
(Ph.D. Env. Engg.)



Dr. Fizza Zahid

Assistant Professor
(Ph.D. Env. Engg.)



Engr. Gul e Hina

Lecturer
(M.Sc. Env. Engg)



**Engr. Sahar
Aurangzeb**

Lecturer
(M.Sc. Env. Engg)



Engr. Qurat ul Ain

Lecturer
(M.Sc. Env. Engg)



**Engr. Tanveer
Ahmed**

Lecturer
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**Engr. Azka
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Thank You



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