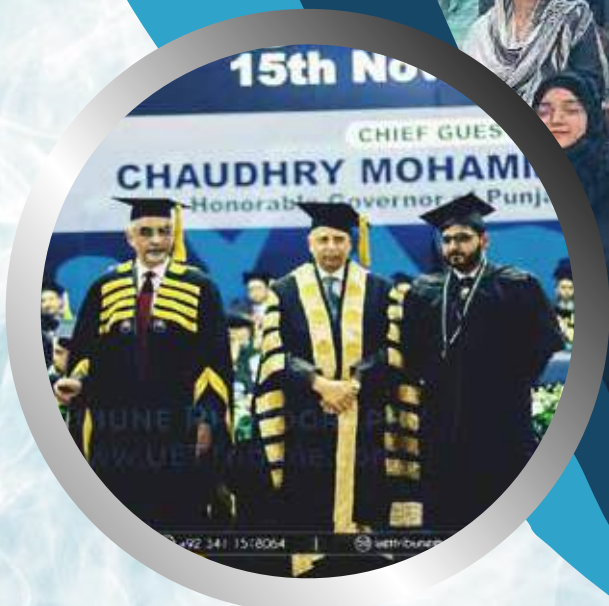




IEER

NEWSLETTER



VOLUME 2
DECEMBER 2021

DIRECTOR'S MESSAGE



Prof. Dr. Sajjad H. Sheikh

INSIDE THIS VOLUME

- Faculty Research **2**
- Community Service Program IEER **3**
- Model Classroom **5**
- Proposed RHW System **6**
- Capacity Building Workshop **6**
- Life Changing Workshops for Students **7**
- Student Achievements **9**
- Extracurricular Activities **12**

"I wish to encourage IEER students to set a goal of their life. A goal to reach the excellence level in their various life's endeavors. Avoid falling a prey to or tune in to the mediocrity cult i.e., to lead a typical average life with very small dreams. Think big, dream big and strive to use your full potential given by your Creator. Whatever your future job is, do it with honesty, give your best maintaining highest level of professional integrity. Life is not a crystal stair for all of us. But we must keep trying. Never accept defeat, always fight back the adversities. And you will see, you will finally stand triumphant. Be the best of what you are."

EDITORIAL TEAM



Dr. Ghulam Hussain
Assistant Professor
(Chief Editor)



Engr. Qurat-ul-Ain
Lecturer
(Editor)



Engr. Rohab Asad
Graduate Assistant
(Joint Editor)



Malik Fateh Khan
Session 2018
(Assistant Editor)



Hira Fatima
Session 2018
(Assistant Editor)



Ume Habiba
Session 2018
(Assistant Editor)

Faculty Research

Despite the Covid-19 pandemic, IEER faculty research continued unabated. Research publication kept flowing in. In academic year **2020-21**, faculty published **25 research papers** in reputable International, Impact Factors Journals. These publications have been cited in more than 193 journals and books.

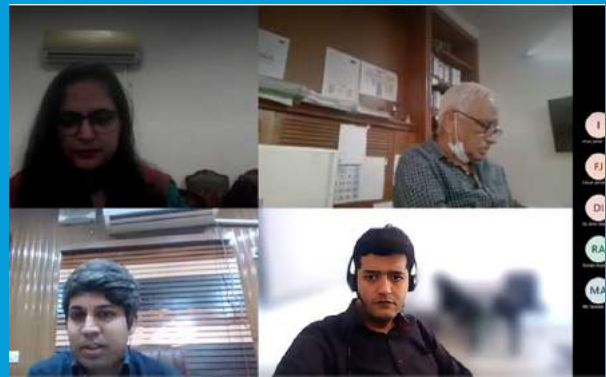
5th and **6th** Meeting of Industrial Advisory Board

Industrial Advisory Board (IAB) established under Outcome Based Education (OBE) serve as a bridge between industry-academia. 5th and 6th IAB meetings were held on 27th October 2020 and 20th October 2021, respectively. **These were attended by representatives from renowned industries and organization including Mr. Muhammad Zubair (General Manager, EPHED, NESPAK), Mr. Faisal Jamal (Manager Corporate HSE & Technical Development, Fatima Fertilizer Finishing Mills), Mr. Salman Butt Research & Development Manager, Siddiq Leather Works (Pvt) Ltd), Mr. Muneeb & Ms. Ifrah Kamil (Coordinator, WWF Pakistan), Ms. Sara (Coordinator, DIC), Mr. Tariq Mehmood (General Manager Operations, MMP Pakistan), Mr. Hassan Ilyas (Senior Analyst Environmental, Urban Unit), Ms. Azka Tauseef (Coordinator of Climate Energy Program, WWF Pakistan), Mr. Umair Khalid (Manager, Sapphire Textile Pvt. Ltd), Mr. Irfan Taher (Senior Manager, Maple Leaf Cement Factory), Mr. Mujtaba Abbas (Deputy Director, WASA, Lahore), Mr. Hafiz Abdul Aziz (QC Manager, Barriq Pharmaceutical Pvt. Ltd) and Mr. Raja M. Ahmed (QSE Manager, Coca Cola Pvt. Ltd).**



5th IAB meeting of IEER in progress

The IAB members deliberated on the provision of Problem Based Research/Final Year Projects by industrial collaboration, fixed internship placements, and internship feedback mechanism. IAB members were also invited to hold seminars, tours, and mock interviews for students of IEER.



6th virtual IAB meeting of IEER in progress

Competitive Research Grant Won by IEER Faculty

IEER faculty won a **competitive research grant** through Pakistan Science Foundation (PSF) under implementation of the 18th protocol of scientific and technical cooperation between Pakistan and China. The research team consist of **Dr. Amir IkhlAQ** from IEER, and Dr. Fei-Qi from Environmental Science and Engineering Department, Beijing Forestry University, Beijing China. The research will focus on an innovative idea to treat pharmaceutical wastewater for its reuse in a more efficient manner, bringing economic and environmental benefits. The total approved funding for this project is **Rs 3.74 million**.

27th Convocation

The 27th Convocation for the graduating students of B.Sc, M.Sc and Ph.D was held on the 15th of November 2021, in the university. The institute arranged as Degree Distribution Ceremony for undergraduate and postgraduate students, followed by refreshments. Mr. Umar Fiaz was awarded with a gold medal by Chaudary Muhammad Sarwar, The Governor of Punjab/Chancellor UET, for securing the highest CGPA in the graduating class of B.Sc. Environmental Engineering.



Mr. Umar Fiaz (Session 2016) receiving gold medal



Graduating Class of 2016 with the faculty of IEER

I EER Initiates Community Service Program

IEER is collaborating with FAIDA (Foundation for Awareness and Information Development for All) to develop a sense of volunteerism, civility, and compassion. The aim is to empower students to build their life skills and knowledge, in addition to provide a service to resolve community problems with self-help spirit. Under this collaboration, IEER has introduced **Student Social Responsibility/Community Service (SSR/CS)** as a permanent feature in BSc Environmental Engineering Program. Under SSR/CS, Session 2018 is working on three main community service projects at the moment; plastic free campus, road safety awareness, and stationery drive for schools.





SSR/CS activities: Road safety, plastic free UET and stationary drive in UET primary school

I EER Establishes a Model Classroom

Classrooms with comfortable furniture, pleasant ambiance, and modern gadgets make the teaching-learning process more fulfilling. Renovation of Classroom No. 04 was initiated with the intent to make it a model classroom.



Dr. Usman (Architect) prepared the design and Dr. M. Umar Farooq and Mr. Tanveer Ahmad oversaw the construction work. The renovation work was completed on 09/11/2021. The classroom is air conditioned and equipped with various modern gadgets of teaching. The financial support of Rs. 1.3 million, for the entire renovation work, was provided by Mr. Abid Wazir Khan (CEO, FAIDA Foundation and KIPS). Mr. Abid has always been generous to support infrastructural improvements and student's grooming in IEER.



I EER faculty proposes RWH system for UET Main Campus

During monsoon, excessive ponding hits UET main campus. In 2020, rainwater resulted in severe damage to residential areas inside the campus. On the directive of Worthy Vice Chancellor, Dr. Ghulam Hussain, Assistant Professor IEER, with his team designed a rainwater harvesting system for the entire campus.



A detailed design report was presented to Worthy Vice Chancellor including comparative analysis of various solutions with their detailed designs, drawings, and cost. This input from IEER faculty was much appreciated by Worthy Vice Chancellor.

C apacity building of IEER faculty

Continual capacity building of the faculty is a way to improve the quality of education. Regular training workshops are held to enhance faculty's soft & technical skills. Thirty-two (32) such workshops were conducted during 2020-21.

In addition, IEER faculty embraced the culture of professional development by engaging in various online courses, seminars, and workshops within and outside the department. Few are listed below.

1. **Webinar offered by IEEE** to enhance the learning experience for students in virtual systems.
2. One-week off campus training on “**Gender Equality Social Services & Leadership Skills**” for young faculty arranged by Pakistan Academy for Rural Development Peshawar in collaboration with UET, Lahore.
3. Online training courses by **International Institute of Online Education (IIOE)**.
4. A fruitful seminar on “**University Teaching and Worship**” was delivered by Prof. Dr. Waris Ali (Former Director, IEER) for the faculty of IEER.

Strategies for Effective Delivery of Online Engineering Courses: Best Practices, Tips, and Toolkits

FREE
ON-DEMAND

Presented by: Babak Beheshti, Ph.D.



WATCH NOW



Students' life changing workshops via virtual platform: COVID-19 won't stop us.

The struggle to attain our vision and mission must continue, despite the pandemic.

IEER launched a regular program of life changing workshops (LCW) for final year students. These workshops have been designed keeping in view the most important skills required for students to compete in local and international job market.

During the COVID pandemic, the diligent faculty of IEER continued delivering the workshops online using Microsoft Teams.



LCW-1
Time management strategies
 Speaker: Dr. Sajjad



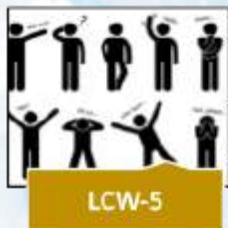
LCW-2
 How to write effective email
 Speaker: Engr. Sahar



LCW-3
Communication Skills
 Speaker: Engr. Sahar



LCW-4
Effective Presentation Skills
 Speaker: Engr. Sahar & Engr. Qurat



LCW-5
Rock your presentation with your body language
 Speaker: Dr. Sajjad



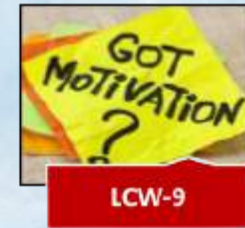
LCW-6
Emotional intelligence
 Speaker: Engr. Sahar



LCW-7
CV & Resume writing
 Speaker: Engr. Sahar & Engr. Qurat



LCW-8
How to give a job winning interview
 Speaker: Engr. Sahar & Engr. Qurat



LCW-9
Self-motivation strategies
 Speaker: Engr. Sahar

List of LCW arranged at IEER for final year students

Promotions & Appointments

Two of the IEER faculty members, **Dr. Amir Ikhlq** and **Dr. Muhammad Irfan Jalees**, were promoted to the designation of Professor and Associate Professor, respectively. In addition, two new faculty members, Mr. Tanveer Ahmad, and Ms. Qurat ul Ain, were inducted as Lecturers in the institute. These promotions and appointments will surely bear the fruits and play a key role in the overall performance of the institute.

Welcome to Session 2020

Newly inducted session (2020) was given a welcome cum orientation session. The students were also informed about the rules and regulations of the Institute, the OBE system, and the scope of Environmental Engineering degree.



A welcome address to students of session 2020 by Director IEER

STUDENTS' ACCOMPLISHMENTS



B.Sc. Student gets US Exchange Scholarship

Hijab Khan (Session 2018) was shortlisted from thousands of students in Pakistan to study in the University of California, Davis through the Sister2Sister Cultural Exchange Program. Due to her caliber and performance during the exchange program, she is expected to go and study in the US next year.



B.Sc. Student starts massive Environmental Awareness Campaign

Umrah Mubarak Ali (Session 2017) organized the 'Plantation' and 'Save Water Awareness' Drive among many government schools in collaboration with a private non-profit organization called CARE Foundation Pakistan. She was the main speaker of numerous seminars consisting of thousands of audience members in many government schools; her topic was to save every drop of water from getting wasted and ideas on how to grow plants at small places.



M.Phil. Student sets a National Record

Tooba Kanwal (M.Phil Session 2020) set a national record by travelling 280 km on foot from Gilgit to Khunjerab in eight days sponsored by FCNA Gilgit Baltistan.





Amna Saeed (Session 2018) won the 2nd position in the Industrial Mock Test arranged by ASHRAE UET Lahore in their flagship event KAIZEN 2021.



Faiza Hanif (Session 2019) received an honorable mention in two consecutive sessions organized by UET Model United Nations. Faiza attended international conferences and discussed issues of global importance, trying to bring solutions to them



Muhammad Naqi (Session 2018) helped in the installation of a Water Filtration Plant for the supply of clean drinking water for the residents of his village and completed it with a time span of 3 months.



Sharjeel Rashid (Session 2020) was selected as the President of Model Organization of Islamic Cooperation as a representative from UET Lahore in 2021.

IEER students hold prestigious positions in university societies



Hira Fatima (2018)
General Secretary
ASHRAE, UET

Mubarra Jabbar (2018)
Vice President (Technical)
ASHRAE, UET



Hijab Khan (2018)
Director Documentation
ASHRAE, UET

Anusha Imran (2018)
Director General
ICE, UET



Khadija Arif (2017)
Former Vice President
EFE, UET (2020-21)



Tehreem Akhter (2017)
Former Director
Environmental Wing
ASHRAE, UET (2020-21)



EXTRACURRICULAR ACTIVITIES



Tour to Kalar Kahar - Session 2017



Tour to Thandiani, Abbottabad - Session 2017



2018 Session as the runner-up team in the annual Departmental Cricket Tournament



White Theme Day- Session 2017



Cultural Theme Day - Session 2017



Yellow and White Theme Day - Session 2018

IEER AT A GLANCE



Model Classrooms



Girls Common Room



State of the Art Labs



IEER Library



Modern Equipment

IEER FACULTY



Dr. Sajjad H. Sheikh
Professor & Director
(Ph.D. Env. Engg.)



Dr. Aamir Iklag
Professor
(Ph.D. Env. Sci.)



Dr. Umar Farooq
Associate Professor
(Ph.D. Anal. Chem.)



Dr. M. Irfan Jalees
Associate Professor
(Ph.D. Chemistry)



Dr. Mehwish Anis
Assistant Professor
(Ph.D. Env. Engg.)



Dr. Ghulam Hussain
Assistant Professor
(Ph.D. Env. Engg.)



Ms. Gul-e-Hina
Lecturer
(M.Sc. Env. Engg.)



Mr. Haroon Rashid
Lecturer
(M.Sc. Env. Engg.)



Ms. Sahar Aurangzeb
Lecturer
(M.Sc. Env. Engg.)



Ms. Sana Saleem
Lecturer
(M.Sc. Env. Engg.)



Mr. Tanveer Ahmed
Lecturer
(M.Sc. Env. Engg.)



Ms. Qurat-ul-Ain
Lecturer
(M.Sc. Env. Engg.)



Ms. Rohab Asad
Graduate Assistant
(B.Sc. Env. Engg.)

IEER NEWSLETTER



CONTACT US:



@ieer.uet



admin.ieer@uet.edu.pk



ieer.uet.edu.pk



(042) 99029248



Institute of Environmental
Engineering UET Lahore