



IEER, UET

IEER NEWSLETTER

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DIRECTOR'S MESSAGE



Prof. Dr. Amir Ikhlaq

IEER faculty and staff have worked tirelessly to provide an excellent educational experience for our students. This newsletter will serve as a window through which the academic and co-curricular activities, achievements and progress can be viewed.

We are committed to creating excellence in our students. We aim to prepare the students to be confident and competent. We are providing the students with high quality technical education with appropriate training of the state-of-art practices. Our programmes lay emphasis on personality development and professional ethics that may help our students lead a meaningful life. We hope to keep bringing news of our students and faculty's performances, achievements and activities to you.



PROGRAM COORDINATOR'S MESSAGE

Dr. Mehwish Anis
Program Coordinator B.Sc.
Environmental Engineering



I warmly welcome you to the third issue of the IEER's newsletter. It is a brilliant effort of the Editorial Board to keep you updated with the latest news about the institute, students, alumni, and faculty.

It gives me immense pleasure to share with you that we have maintained our tradition of providing quality education under the umbrella of Outcome Based Education (OBE). Our three sessions (2019-2021) of BSc Environmental Engineering Programs have been accredited this time on OBE, resulting in overall 09 sessions in a row (starting from 2013 session) on level II accreditation. This is an important step in a journey to attain the institute's vision i.e., "make IEER a world class institute and a think tank in the field of environmental engineering". This would not be possible without the tireless efforts, hard work, devotion, and commitment of our highly qualified faculty.

We are devoted to providing contemporary curriculum to our students that encompasses technological as well as behavioral and entrepreneurial skills that have become essential for thriving in this competitive world. A strong liaison with our stakeholders is another key area we have been focusing on in the past few years. We are determined to develop a healthy relationship with our alumni, industry, and peer organizations, for our mutual benefit and the betterment of the environment and 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.

”

EDITORIAL TEAM



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ASSISTANT PROFESSOR
CHIEF EDITOR



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EDITOR



Engr. Azka Tauseef

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2019 SESSION

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Afnan Sajid

2019 SESSION

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2019 SESSION

ASSISTANT EDITOR



Bareera Abdul Rehman

2019 SESSION

ASSISTANT EDITOR

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NEWS AND EVENTS

FACULTY RESEARCH

In the academic year 2022-23, the faculty of IEER published an impressive 41 research papers in reputable International Journals with Impact Factor. These publications have been cited in more than 117 journals and books. Additionally, IEER faculty won a competitive research grant, worth Rs. **3.18 Million**, through Pakistan Science Foundation (PSF) under the implementation of the 18th scientific and technical cooperation protocol between Pakistan and China. The research team consists of Dr. Amir Ikhtlaq from IEER and Dr. Fei-Qi from Environmental Science and Engineering Department, Beijing Forestry University, China. The research will focus on an innovative idea of leachate treatment and energy recovery by the synergic biological and catalytic ozonation process.

PROMOTIONS AND APPOINTMENTS

Dr. Mehwish Anis

Dr. Mehwish Anis has been promoted to Associate Professor Cadre in February 2022.

She has also recently been appointed as the Program Coordinator of B.Sc. Environmental Engineering by the worthy Vice Chancellor. She is managing all the academic matters of the program. Not only is Dr. Mehwish a skilled researcher, she is also a proficient educator in the field of Environmental Engineering.



Engr. Azka Tauseef

A new faculty member, Ms. Azka Tauseef, has been inducted as Lecturer.



These appointments and promotions will indeed bear fruit and play a vital role in the overall performance of the institute in its strive for excellence.

IEER FACULTY CONDUCTS PROFESSIONAL DEVELOPMENT TRAINING

IEER successfully conducted two weeks training workshop on "Water Quality Testing, Wastewater Treatment and Management" in collaboration with Center of Excellence in Water Resources Engineering. The workshop was attended by the officers of Public Health Engineering Department, Government of Baluchistan. In this training workshop, eight resource persons from IEER faculty shared their technical knowledge and professional experience with the workshop participants. Prof. Dr. Amir Ikhtlaq, Dr. Muhammad Umar Farooq, and Dr. Muhammad Irfan Jalees covered the water quality testing, while Dr. Mehwish Anis, Dr. Ghulam Hussain, Engr. Gul e Hina, Engr. Qurat ul Ain, and Engr. Tanveer Ahmed covered the Wastewater Treatment and Management aspects of the workshop.



ESTABLISHMENT OF ANOTHER MODEL CLASSROOM

Classrooms with comfortable furniture, pleasant ambiance, and modern gadgets make the teaching-learning process more fulfilling.

Renovation of classroom No. 03 was initiated to convert it into 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 for teaching. The financial support of Rs. 2.5 million for the entire renovation work was provided by Mr. Abid Wazir Khan (CEO, FAIDA Foundation and KIPS). The classroom is named after his mother Mohtarma Karam Bibi (late). Mr. Abid has always been generous in supporting infrastructural improvements and student grooming in IEER. Additionally, IEER enhanced the computer lab capacity to provide much needed computing resources for students.



Mohtrma Karam Bibi Classroom



Dr. Javed Anwar Aziz Computer Lab

BEST TEACHER'S AWARD

Worthy Vice Chancellor of UET, Prof. Dr. Syed Mansoor Sarwar, on the occasion of 29th Convocation of UET Lahore, appreciated the hard work and efforts of all faculty members in his address. The Vice Chancellor also announced names of best teachers of each department, based on a survey conducted under his supervision from final year students. He announced that, for IEER's best teacher, there was a close tie between the names of Dr. Ghulam Hussain (Assistant Professor) and Prof. Dr. Amir Ikhtlaq (Director & Professor).



CAPACITY BUILDING OF IEER FACULTY

Continual capacity building of the faculty is a way to improve education quality. A certified instructor from the Franklin Covey Foundation conducted a seminar on "7 Habits of Highly Effective People". The motivation taken from Stephen R Covey's book is a Gold Standard of leadership. It thus provides the best tips and toolkits for better teaching methods.



COMMUNITY SERVICE PROGRAM BY SESSION 2019

After successfully implementing the SSR-CS program (Zero Credit Hour) for session-2018, the program has been adopted as permanent feature for IEER students. Thus, continuing the legacy set by the previous session, motivational sessions were organized by FAIDA foundation and IEER for the session 2019 on character building and the importance of community service. Under this program, students completed three community service projects;

- Plastic free campus
- road safety awareness
- uniform and shoes drive for Government Primary School, UET.





LAUNCH OF IEER BOOK CLUB

Book reading habit influences the promotion of one's personal development and social progress. It allows the reader to expand their horizons and explore new worlds based on their imagination, making them insightful and providing inspiration. Hence, to cultivate this habit in IEER students, Book Club was constituted in collaboration with FAIDA (An NGO) for session 2020. An opening ceremony was arranged for the initiation of the Book Club, where the following books were distributed:

- 7 Habits of Highly Effective People by Stephen Covey
- Think and Grow Rich by Napoleon Hill
- How to Win Friends & Influence People by Dale Carnegie
- Rich Dad, Poor Dad by Robert Kiyosaki
- Why "A" Students Work For "C" Students by Robert Kiyosaki



4TH ALUMNI REUNION

IEER held its 4th Alumni Reunion with the objective of strengthening the ties between alumni and institute as well as providing an opportunity for alumni to relive their memories. It was a fun-filled event having many attractive segments including skit by final year students, performance by music society, walk through the past, and comedy mushaira by '07 session. Alumni, Faculty and Honorable Guests enjoyed every bit of the event followed by a delicious dinner.

Prof. Dr. Waris Ali, Prof. Abdul Jabbar Bari, Dr. Javed Iqbal, and Lt. Col (R) Aziz ur Rehman were the guests of honor of the event.



Alumni 07 Session presenting Mushaira



29TH CONVOCATION

The university held its 29th Convocation for the graduating students of B.Sc., M.Sc., and Ph.D. on 15th of November 2022. Muhammad Baligh ur Rehman, Governor of Punjab and Chancellor UET, awarded Ms. Ume Habiba a gold medal for securing the 4 CGPA in the graduating class of B.Sc. Environmental Engineering, session 2018. Furthermore, the department also appreciated Ms. Ume Habiba's outstanding achievement by awarding her a gold medal and certificate of excellence in a degree distribution ceremony arranged for all undergraduate and postgraduate students.



Gold medalist Ume Habiba receives certificate of excellence

After receiving positive feedback, IEER has continued it for session 2019, considering the essential skills required for students to compete in the local and international job market.

WELCOME TO SESSION 2022

The newly inducted session (2022) of B.Sc. Environmental Engineering and B.Sc. Environmental Science was given a welcome and orientation session. The students were also informed about the rules and regulations of the Institute, the Outcome Based Education (OBE) system, Learning Management System (LMS), and the scope of the Environmental Engineering degree.



Session 2022 B.Sc. Env Engg.



STUDENTS' LIFE CHANGING WORKSHOPS

IEER launched a regular program of life-changing workshops (LCW) for final-year students of session 2019.



Session 2022 B.Sc. Env Sci.

IEER ALUMNI ASSOCIATION (GOVERNING BODY)

Governing Body (2023-2024) notified. A step taken to foster the relationship and cooperation between IEER and its Alumni



Mr. Wasif Ali
President
CEO, Engineering Contrivers

Mr. Syed Ali Abdullah
VP Overseas
Principal Engineer,
PARSONS, Abu Dhabi

Mr. Ghayas Ahmed
VP Finance
Senior Engineer, EPHEd
NESPAK

Ms. Saba Guli
VP Finance
Senior Engineer, EPHEd
NESPAK

Mr. Atiq Farooqi
VP Alumni
Engagement
Senior Design
Engineer, JERS

Mr. M. Imran Mayo
General Secretary
Deputy Director
(Admin & Monitoring)
EPA, Punjab



Ms. Samra Sajjad
Secretary Overseas
Graduate Assistant,
College of
Engineering, Qatar,
University

Mr. Syed Mujtaba Abbas
Social Secretary
Deputy Director,
WASA, LDA

Mr. Hamza Abbas
Joint Secretary
Assistant
Commissioner, PAS

Mr. Ali Saleem
Executive Member
Senior Manager,
Landfill LWMC

Mr. Sohaib Anwar
Executive Member
Specialist
Environmental
Engineer, Hangler
Bailly Pakistan

Mr. Zeeshan Abbas
Executive Member
Senior Engineer,
EPHEd NESPAK



Mr. Abid Saleemi
Executive Member
Senior Engineer,
GT&GED NESPAK

Ms. Shama Nazir
Executive member
Assistant
Infrastructure
Engineer, PMRSC,
Lahore.

Mr. Hamza Afzal
Executive Member
Director Operations,
MACE Engineering
Consultants

**Mr. Abdullah
Liaquat**
Executive Member
Lead Auditor, ELEVATE
Ltd. Lahore.

Ms. Rida Tahir
Executive Member
Freelancer
Environmental
Engineer

Mr. Talha Ikram
Executive Member
Assistant Director,
WASA, LDA



Mr. M. Haseeb
Executive Member
Assistant Manager,
Sustainability Sapphire
Diamond Fabrics Ltd.

Ms. Tehreem Awais
Executive member
Postgraduate Student

Mr. Saifullah Qazi
**Executive
Member**
Trainee Engineer,
MMP

Ms. Nimra Nawaz
Executive Member
Deputy Manager
Operations, Asian
Environmental
Services, Ltd.



STUDENTS ACCOMPLISHMENTS

HIGHEST GPA HOLDERS - THE FINE MINDS OF IEER

- Session 2019
- Aleeza Kanwal



- Session 2020
- Farah Iftikhar



- Session 2021
- Attiqah Ali



VOICE OF IEER STUDENTS RECOGNIZED AT NATIONAL LEVEL

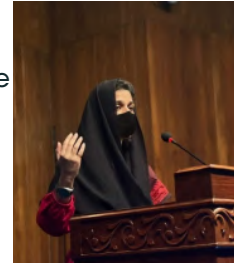
Mahnoor Khalique from the 2020 session participated in various well-recognized national declamation contests and secured 1st best English Declamation speaker at Buraq All Pakistan Declamation competition.



Huba Bint E Aslam from the 2020 session also participated in a debating competition held at GCU to spread the voice of UET among all other universities. She was recognized as second best speaker and was awarded a cash prize by the GCU (as announced by Govt.) and was declared as Winner in the Urdu Category and awarded a shield and cash prize in the Declamation competition held in UET on Independence Day.



Sawleha Mobeen, from session 2021 has won various debating competitions, including Kashmir day, Independence Day in University of Engineering and Technology, and Buraq online art competition.



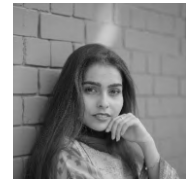
Faiza Hanif from session 2019 won 3 consecutive mock sessions in UETMUN society.

THE ACCLAIMED TALENT IN VARIOUS COMPETITIONS

Bareera Abdur Rehman, from session 2019, secured 1st position in the illustration competition held at the annual AKS UET Photography Society event.



Anosha Tanveer from session 2019 was also the winner in content writing competition of Safarnama 1.0 held by AKS UET Photography Society.



Laiba Bashir from session 2020 won 1st position in 'Pen it Down' domain of annual event of UET Tribune i.e., SyFY 2023. The competition was held online.



Maryam Abid from session 2019 has won positions in both Safarnama Content writing competition and Photo walk landscape photography competition at AKS UET Photography Society.





STUDENTS' ACCOMPLISHMENTS

IEER STUDENTS LEADING ACROSS THE CAMPUS THE KNOWLEDGE

Ahmed Ibrahim
Azeem
President
AKS-UET



Bareera Abdul
Rehman
Head of Deign
AKS-UET



Zoya Shahid
Director Creativity
UET-Tribune



Hiba Malik
Director
Management
UET Music Society



Maryam Abid
Head of Content
Writing
AKS-UET



M. Sohaib
Coordinator
UET Dramatic
Society



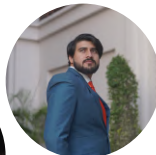
Hafsa Khan
Vice
President
UET-Tribune



Anosha Tanweer
Head of
Documentation
EPS



Raheel Nawaz Khan
President
EPS



Shahroz Khalid
VP Non Technical
EPS



Salman Ahmed
Director Social
Media
AKS-UET



Faiza Hanif
Director
Documentation
UET-Tribune



Mahnoor Khalique
Girls Co ordinator
UET Debating Society



Atiqah-Binte-Fayyaz
Head of Management
EPS



Abdullah Mohsin
Head of
Sponsorship
EPS



Rimsha Hamid
Director
Environmental
Wing

Maryam Gull
VP Technical
EPS



Maham Hanif
Head Of Media
EPS



Afnan Sajid
Director General
AKS- UET



WORKSHOPS BY IEER STUDENTS - SHARING THE KNOWLEDGE

1. Photo editing workshop in SPID & Mechaclub delivered by Afnan Sajid from session 2019.
2. Graphic designing workshop to SOMAME delivered by Bareera Abdur Rehman.

CONFERENCES PARTICIPATION BY IEER STUDENTS

- **Afnan Sajid** (session 2019) arranged National Youth Development Seminar (NYDS) and attended the conferences of Rising Leader Summit (RLS), , National Planning Summit (NPS), National Leadership Conference (NLC) and National Emerging Leader Summit (NELS)
- Engr. Sahar Aurengzeb (Lecturer IEER) accompanied by **Afnan Sajid & Maryam Gull** (Students session 2019) attended the World Bank Conference on Environmental and Social Framework.



INNOVATIVE FYDPS

1. Pakistan Engineering Council (PEC) annual award of Final Year Design Project (FYDP) for outstanding projects was granted to two of the projects of IEER students of session 2019. The selected projects are as follows:

- Design and Fabrication of Lab Scale treatment of pharmaceutical wastewater based on an Advanced Oxidation Process supervised by Dr. Amir Ikhtlaq.
- Design of sustainable water distribution system for urban areas in developing countries supervised by Engr. Tanveer Ahmed.



2. PEC conducted the 1st Engineering Capstone Expo (2022) in which the following four FYDPs from IEER were nominated for the exhibition:

1

Design and Comparative Evaluation of Water Supply Scheme for North-Eastern Lahore considering Surface Water and Groundwater Sources supervised by Dr. Ghulam Hussain



2

Design of Effluent Treatment Plant for Paper and Pulp Industry supervised by Dr. Mehwish Anis



INNOVATIVE FYDPS

3

Treatment of Textile industry wastewater by modified rapids and filters using copper-coated glass supervised by Dr. Muhammad Irfan Jalees



4

Designing an incineration plant for the hospital waste of Lahore supervised by Engr. Gul e Hina

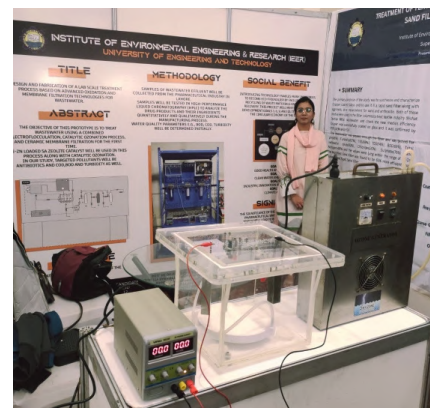


Two FYPs of session 2019 qualified in the top 12 startup ideas in Brainiac Competition held by Technology Incubation Center, KICS (TICK), which include:

1. Design and Fabrication of Lab Scale treatment of pharmaceutical wastewater based on an Advanced Oxidation Process supervised by Prof. Dr. Amir Ikhtlaq
2. Design and Fabrication of Lab Scale treatment of leachate by coagulation, flocculation, and catalytic ozonation supervised by Prof. Dr. Amir Ikhtlaq

IEER also made its presence known at the All Punjab Universities Innovation Expo conducted by the Punjab Higher Education Commission (PHEC), where three projects were selected for their innovation among 70+ universities of Punjab. The projects are as follows:

1. Design and fabrication of a lab-scale treatment process based on advanced oxidation and membrane filtration technologies for pharmaceutical wastewater supervised by Prof. Dr. Amir Ikhtlaq
2. Treatment of textile industry wastewater by modified rapid sand filter using copper-coated glass supervised by Dr. Muhammad Irfan Jalees
3. Design of effluent treatment plant for paper and pulp industry supervised by Dr. Mehwish Anis



EXTRA-CURRICULAR ACTIVITIES



Sangeet Day



Character Day by 18



Recreational tour to Rana Resort



Cultural Day in IEER



Sports Week Closing Ceremony

EXTRA-CURRICULAR ACTIVITIES



Session-22 secured 1st position in Cricket



Session-21 secured 1st position in Cricket (Girls)



Hassan (Session-21) received award for
Player of the Tournament Cricket



2021 Session secured 1st Position in
Football



Salleh (Session-20) secured 1st position
in Badminton



Afnan (Session-19) Secured 1st position
in Chess

EXTRA-CURRICULAR ACTIVITIES



White day by 18



Recreational tour at Kalar Kahr



School Day by 18



Vintage Day by 18

IEER FACULTY



Dr. Amir Ikhtlaq

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



Prof. Dr. Sajjad H. Sheikh

Professor
(Ph.D. Env. Engg.)



Dr. Mehwish Anis

Program Coordinator &
Associate 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

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



Engr. Gul e Hina

Lecturer
(M.Sc. Env. Engg.)



**Engr. Sahar
Aurangzeb**

Lecturer
(M.Sc. Env. Engg.)



**Engr. Sana
Saleem**

Lecturer
(M.Sc. Env. Engg.)



Engr. Qurat ul Ain

Lecturer
(M.Sc. Env. Engg.)



**Engr. Tanveer
Ahmed**

Lecturer
(M.Sc. Env. Engg.)



**Engr. Azka
Tauseef**

Lecturer
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