



# IEER NEWSLETTER

VOLUME I, OCTOBER 2020



**INSTITUTE OF ENVIRONMENTAL ENGINEERING AND RESEARCH**  
**UNIVERSITY OF ENGINEERING AND TECHNOLOGY, LAHORE**

# INSTITUTE OF ENVIRONMENTAL ENGINEERING & RESEARCH (WHO COLLABORATING CENTRE)

## DIRECTOR'S MESSAGE



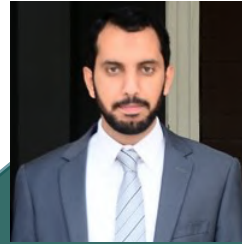
Our **dream** is to produce world class graduates in the field of Environmental Engineering. We **believe** “The function of education is to teach one to think intensively and to think critically. **Knowledge + Character**—that is the goal of **true education**”. Inshallah we will keep moving in this direction, with the active support of the top management of UET, our competent faculty, and the brilliant students.

*Prof. Dr. Sajjad H. Sheikh*

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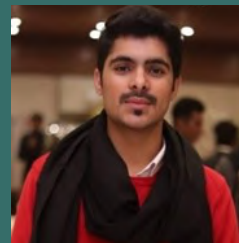
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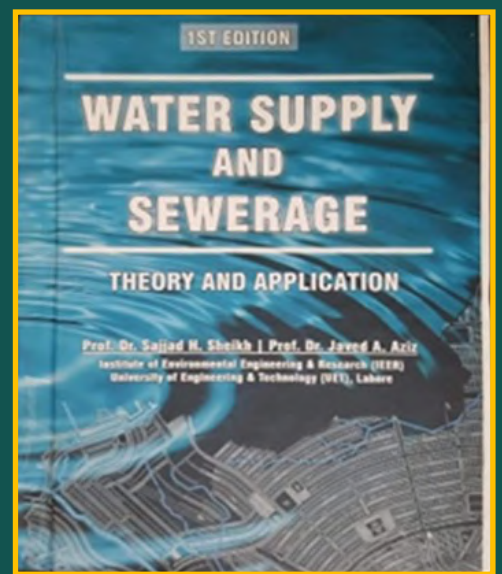
## 1. OUTCOME BASED EDUCATION AT IEER

IEER has switched to Outcome Based Education (OBE) system in 2016. Batches up to 2018 are accredited. Full implementation of OBE is our dream. Under OBE system, the B.Sc. degree is now recognized in 18 members of Washington Accord including USA, UK, Australia, Canada, Japan and China.

## 2. PUBLICATIONS BY IEER FACULTY

Faculty of IEER published 27 research papers in reputable International Impact Factor Journals in the year 2019-20, making total faculty publications of 153 in National and International Journals. These publications have been cited in more than 1500 international journals and books.

Prof. Dr. Sajjad H. Sheikh, Director IEER, authored his second book titled “Water Supply and Sewerage: Theory and Application” in 2020. The book is co-authored by Prof. Dr. Javed Anwar Aziz (Ex- Dean Faculty of Civil Engineering and Ex-Director IEER). The book will serve as a resource for designers and practitioners in the field of water supply and sewerage.



## 3. 48<sup>TH</sup> MEETING OF THE MANAGING COMMITTEE

48<sup>th</sup> meeting of the Managing Committee (MC) of IEER was held on the 9<sup>th</sup> of December 2019. Worthy Vice Chancellor of UET, Prof. Dr. Mansoor Sarwar, chaired the meeting. The external members who participated include Mr. Zubair Ahmad (GM/ Head EPHED, NESPAK), Mr. Asif Munir (Director, Punjab HEC), Mr. Tanzeer-ur-Rehman



*Director IEER briefing the attendees of 48<sup>th</sup> Managing Committee Meeting*

(DS Universities, HED), Mr. Abdul Raheem Khan (Senior Manager, Sapphire Finishing Mills), Prof. Dr. Iqbal (HOD, Medical Facility, IPH Lahore), Mr. Wasif Ali (CEO, Engineering Contrivers), Mr. Zafar

Masood (Deputy Project Manager, LWMC), Mr. Syed Yasir (Deputy Manager P&D, WASA Lahore), and Mr. Farhan Ahmed (Assistant Director, Industries Department).

Director IEER presented the annual progress report of the Institute. Budget of the fiscal year 2020-21 for the Institute was approved.

#### 4. 4<sup>TH</sup> MEETING OF INDUSTRIAL ADVISORY BOARD

Industrial Advisory Board (IAB), established under OBE, serves as a bridge between industry and academia. 4<sup>th</sup> biannual meeting of IAB was held on the 16<sup>th</sup> of December 2019. Meeting was attended by representatives from renowned industries and organizations including Mr. Khurram Afzal Malik (Senior Specialist Economics, The Urban Unit), Mr. Mushtaq Ahmed (General Manager EPHED, NESPAK), Mr.



*4<sup>th</sup> IAB meeting in progress*

Tariq Mahmood (General Manager Operations, Mott McDonald's Pakistan), Mr. Faisal Jamal (Manager Corporate HSE & Technical Development, Fatima Fertilizer Finishing Mills), Mr. Sohaib Anwar (Coordinator, WWF Pakistan), Mr. Mustafa Ahmed (Manager Sustainability, Bulleh Shah Packaging Ltd.), and Mr. Mohsin Ali (Production Engineer, DIC Pvt. Ltd.).

The items discussed include, changes in curriculum as per industrial needs, feedback on the quality of IEER graduates and areas where improvements are required, internships and placement of IEER graduates and areas where problem-based research may be carried out jointly.

#### 5. 26<sup>TH</sup> CONVOCATION

The 26<sup>th</sup> Convocation for the graduating students of B.Sc, M.Sc and Ph.D was held on the 19<sup>th</sup> of November 2019, in the University. The Institute arranged a Degree Distribution Ceremony for undergraduate (43) and postgraduate (5) students, followed by refreshments. Ms. Mudassara Abbas was awarded a gold medal by



*Ms. Mudassara Abbas (Session 2015) receiving gold medal*

Chaudhary Muhammad Sarwar, The Governor of Punjab/ Chancellor UET, for securing the highest CGPA in the graduating class of B.Sc. Environmental Engineering.

## INSTITUTE OF ENVIRONMENTAL ENGINEERING & RESEARCH (WHO COLLABORATING CENTRE)

COURTESY: ALUMNI IEER



*Graduating Class of 2019 with the Faculty of IEER*

### 6. WELCOME TO SESSION 2019

Newly inducted session (2019) was given a welcome cum orientation session. The students were also informed about the rules and regulations of the Institute, the OBE system, LMS and the scope of Environmental Engineering degree.



*Group Photo of Session 2019 with IEER Faculty*

### 7. MOU SIGNED BETWEEN IEER AND WWF

As per the Institute policy to network and collaborate with peer organization working in the field of Environment, MOU was signed with Worldwide Fund for Nature Pakistan (WWF-Pak), on the 11<sup>th</sup> of June 2020. Both organizations vowed to collaborate in research and exchange of data.



*DG WWF-Pak and Director IEER exchanging the MOU*

## 8. COMPLETION OF GIRLS COMMON ROOM THROUGH ALUMNI SUPPORT

70% of students in IEER are female with no space for retiring, saying prayers or to even sit during off hours. It was finally decided to mobilize Alumni and other outside sources for establishing a girl's common room.

Alumni Committee of IEER was requested to raise funds. IEER management also extended support. The committee raised Rs 1,000,000. Dr Usman (Architect) prepared the design and Dr Umar Farooq and Tanveer Ahmad (TF) oversighted the construction work. It was completed on 6<sup>th</sup> of April 2020. An attached bath and ablution place is also provided with the common room.



*Interior of newly constructed GCR*



*Front View of GCR*

The GCR is named after one of the Institute alumna Ms. Samra Sajjad (Session 2006) who contributed around Rs 300,000. Other prominent donors include Mr. Abid Wazir Khan (CEO, FAIDA Foundation), Mr. Khalid Ayyub and Dr. Ijaz Ahmad. Names of all students/Alumni who donated are displayed outside the common room. The Institute believes in acknowledging the support.

## 9. SEMINARS FOR STUDENTS' MENTORING

In addition to the curriculum, IEER routinely organizes seminars and workshops related to soft and technical skills. Among the **24 workshops** and **23 seminars** held in 2019, the prominent ones are:

### ◆ Get Noticed, Get Hired!

Employability skills included writing effective emails and letters, leadership qualities, presentation skills and entrepreneurship skills.

To familiarize the students with writing effective emails and letters, leadership qualities, presentation skills and entrepreneurship skills., a two-day workshop on Employability Skills was held for the students of 2016 and 2017 sessions. Ms. Ayesha Khalid (Co-founder of All Pakistan Women Movement and WHO certified speaker) was the facilitator.



*Ms. Ayesha Khalid (seminar facilitator) receiving the shield*

### ◆ Foreign Scholarships for Higher Studies

IEER organized a seminar to interpret the enigma of getting a foreign scholarship for higher studies. The guest speaker of the seminar was an alumnus of IEER, Mr. Saimar Parvez (Session 2009). Mr. Saimar is currently pursuing his PhD in Japan under MEXT Scholarship. The speaker highlighted the details of different scholarships, how to stay tuned, equipped and avail the opportunities.



*Students attending the seminar on Foreign Scholarships for Higher Studies*

### ◆ Health, Safety and Environment

Health, Safety and Environment (HSE) at workplace is gaining importance. A seminar was arranged for final and 3<sup>rd</sup> year students. The guest speakers of the seminar were Ms. Ayesha Naveed (alumnus, Session 2009) and Mr. Muhammad Farooq Jamil (alumnus, Session 2013). Both of them are currently serving in the HSE department, DIC Packages Ltd. The speakers introduced the key concepts of HSE, practical scenarios of risks and accidents in industry and how to avoid them and the HSE related standard operating procedures (SOPs).



*Ms. Ayesha Naveed and Mr. Farooq Jamil (Guest Speakers of HSE Seminar)*

### ◆ Pumps Used in Water and Wastewater Engineering

Mr. Hamza Ansari and Mr. Gohar Fareed, from **KSB Pumps Company (Germany)**, delivered a session on pumps. The seminar was vital to strengthen the concepts of the students for their courses related to water and wastewater engineering where the selection and recommendation of pumps is an important consideration.

The speakers guided the students about the types



*Students attending the seminar on Pumps Used in Water and Wastewater Engineering*



of pumps, pump selection for various uses and their installation, operation, and maintenance.

### ◆ Find Your “Why”

Many of us start and finish their lives with no direction or purpose in mind. We never even know ourselves fully. To address this issue, a seminar with the title **Find Your “Why”** was organized on the 5<sup>th</sup> of November 2019, for first year students. It was supported by FAIDA Foundation and held at the Management House, Lahore. The speaker of the seminar was Mr. Bilal Ahmed (Executive Director, FAIDA Foundation).



*IEER Faculty and students after the seminar on Find Your “Why” at the Management House*

### ◆ Life of Jinnah

Role models shape our thoughts and we follow them. Mr. Khalid Chishti (Retired Air Commodore) delivered a talk on ‘**Life of Jinnah**’. The seminar was held on the 20<sup>th</sup> of January 2020, in IEER. Mr. Khalid Chishti had a unique zeal and manner of describing the personality of Muhammad Ali Jinnah, the founder of Pakistan, as a role model. In addition, he explained the difference between independence and subservience, the importance of a motherland and also our culture.



*IEER Faculty and the Team of FAIDA Foundation with guest speaker Mr. Khalid Chishti (Rtd Air Commodore)*

### ◆ Journey to Success

Complaining never pays. Efforts and hard work bring the change. To explain this concept to the students of IEER, Mr. Ayaz Ahmed, the Youngest Head Sales in ICI Pakistan was invited to share his success story. He was from a very humble background and now, at a very young age, is at a top position. He shared the secrets of success with IEER students.



*Mr. Ayaz Ahmed talking to audience about his Journey to Success*

## 10. IEER LAUNCHED ITS “YOUTUBE” CHANNEL

On the 25<sup>th</sup> day of May 2019, IEER launched its YouTube channel “**Institute of Environmental Engineering UET Lahore**”. The objective was to share the activities and research with its Alumni and to expand its outreach. Most important educational material and seminar are uploaded. A large number of Alumni has joined the channel. During the closure of University due to COVID-19 situation, IEER has endeavored to keep up the capacity building of its students by uploading recorded seminars on its YouTube channel. The channel’s content is not only benefitting the students and alumni of our Institute but other departments and general public as well.

## 11. INDUSTRIAL TOURS

Students of IEER are being provided with ample opportunities for industrial tours to give field exposure. Tours to Lakhodher Landfill Site, WASA Disposal Station, Rawal Lake Water Filtration Plant, Sahiwal Coal Power Plant, KSB Pump Factory and various Industrial Wastewater Treatment Plants are routinely conducted while studying relevant subjects.



*Students of Session 2015 at Sahiwal Coal Power Plant*

## 12. EXTRA-CURRICULAR ACTIVITIES

IEER encourages students to participate in meaningful extracurricular activities as they benefit academically, socially, and emotionally. The extracurricular involvement allows students to acquire additional skills such as management, teamwork and social networking.

### ◆ 3<sup>rd</sup> Alumni Gathering

IEER has raised a fair number of undergraduate alumni in the last 11 years. IEER started a tradition of organizing alumni reunion in 2016. Third such gathering was held in April 2019, which was attended by the alumni from various batches (2005-2014). Prof. Dr. Javed Anwar Aziz, Ex-Dean Faculty of Civil Engineering & Ex-Director IEER, also graced the occasion with his presence. The alumni and faculty cherished their memories, while enjoying various performances by the students.



*Mushaira by Alumni (Session 2007)*



*Group photo of Event Organizers with Director IEER and Guest of Honor*

### ◆ Final Year Tour of Session 2015

In April 2019, students of Session 2015, went on a final year study cum recreational tour. During their 7-day long tour, they visited KSB pump factory at Hassan Abdal, various components of CPEC, and went to northern areas of Pakistan for recreation minds and memories.



*Students of Session 2015 at Khnujerab Pak-China Border*

### ◆ Environmental Premier League 2019

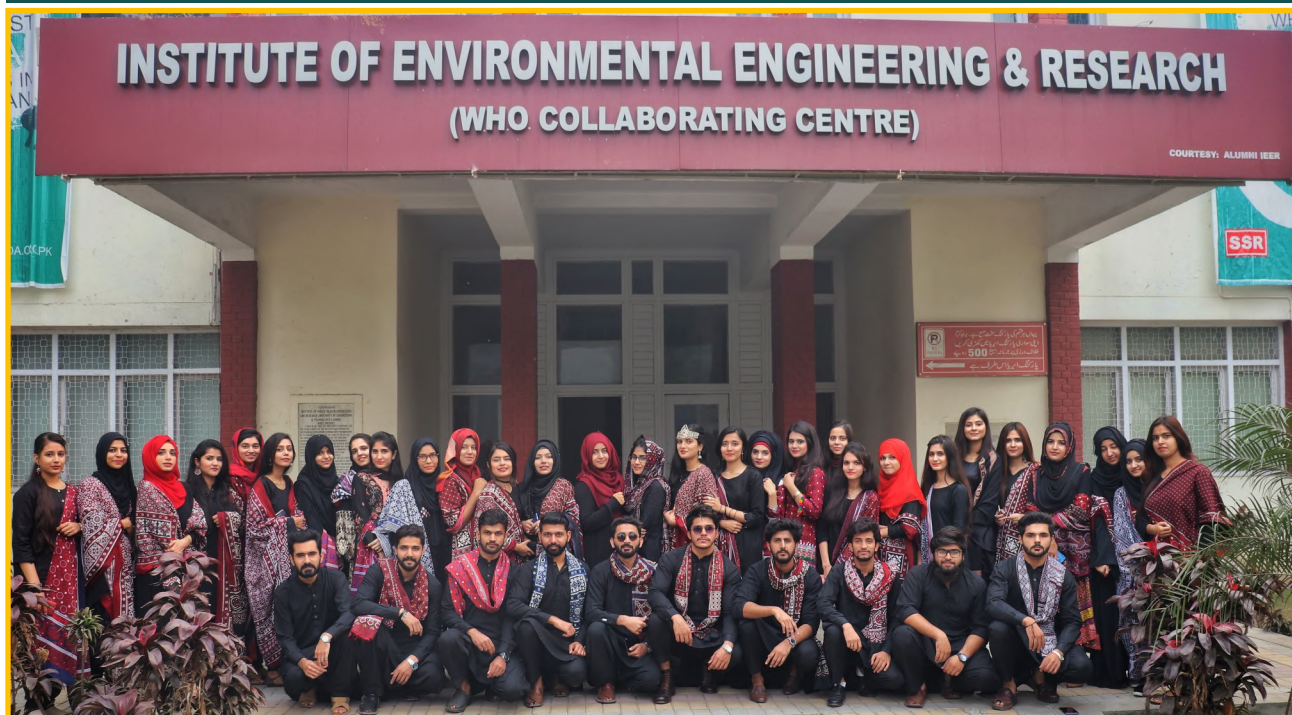
The third-year students (Session 2017) organized a departmental cricket tournament. Session 2016 achieved remarkable victory in the tournament.



*Students of Session 2016 Celebrating their Victory with the Faculty of IEER*

### ◆ Theme Day Celebration by Final Year Students

Students at the Institute, traditionally, celebrate different dressing theme days in their final year. Aside from tough routine of their studies, the purpose of such celebrations is to rejoice the diversity of cultures at the Institute while making everlasting memories.



*Students of Final Year (Session 2016) celebrating "Ajrak" theme day*

### 13. ACCOMPLISHMENTS OF STUDENTS AND ALUMNI

Hamza Abbas (alumnus, Session 2013), ranked 13<sup>th</sup> in CSS 2019. He has been appointed in PAS (Pakistan Administrative Service), which is considered one of the most prestigious service groups in CSS.



Muhammad Huzaifa from Session 2017 served as Table Tennis Umpire in Nationals, junior Nationals and Punjab Games 2019.



Qurat ul Ain Imtiaz from 2016 session, won an essay writing competition in an event 'FANOOS', organized by UET KSK. She also won a general knowledge quiz competition named as NOOR-E-ILM, show aired on ATV as NOOR-E-RAMAZAN.



Another student from 2016 session, Aman Shahzadi, has a great aptitude and talent in poetry. She participated in many competitions like Bazm-e-Tariq Aziz, LUMS Adab Mela, Shan-e-Ramzan at ARY TV, Women Mushaira and many more. She also shared stage with many well renowned personalities. She won Jhelum Literary Festival.



Umer Shahzad, student of 2018 session was the part of University's Basketball team. He also participated in USL (University Sports League).

Saira Ramzan, from 2017 session actively participated in Intra-University Literary and Skill competition in February 2020 and won a quiz competition.

IEER students hold key positions in various societies; Maryam Siddique (Session 2016) served as Director Technical, and Tahreem Akhtar (Session 2017) is serving Director Environmental Wing in The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) UET Chapter. Similarly, Aanila Shabir (Session 2016) served as Director of Public Relations, while Kainat Liaqat (Session 2016) served as Director of Decor and Creativity in The Institution of Civil Engineers (ICE) UET Chapter.

# IEER NEWSLETTER



**CONTACT  
US!**



@ieer.uet



admin.ieer@uet.edu.pk (042) 99029248



Institute of Environmental  
Engineering UET Lahore