



**Pakistan
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NATIONAL SEMINAR ON GROUNDWATER IN PAKISTAN –MAKING INVISIBLE VISIBLE

Engr. Raghیب Abbas Shah, Convener, PEC Think Tank on Water Resource Development Committee conducted a seminar to provide a roadmap to decision makers for sustainable groundwater development and management in Pakistan. Keeping in view the world water day-March 2022, a national seminar on the global theme on Groundwater; making the invisible visible was organized on 23rd June 2022 at PEC HQ Islamabad. Mr Agha Hassan Baloch, Federal Minister For Science and Technology participated and addressed a key note speech during inaugural session and Honorable Syed Khurshid Ahmed Shah, Federal Minister For Water Resources, also participated and addressed closing session remarks. Engr. Muhammad Najeeb Haroon, chairman PEC, Engr. Dr Nasir Mahmood Khan, Registrar PEC, Engr. Nasir Majeed vice chairman PEC Baluchistan, Engr. Khadim Hussain Bhatti Additional Registrar PEC have played a key role in making the seminar a successful national event. PEC also appreciated the role of honorable Ministers who have ensured their fullest support for sustainable groundwater development and management in Pakistan.



GRADUATE ENGINEERS INTERNSHIP PROGRAM

On 28th June 2022, GRADUATE ENGINEERS INTERNSHIP PROGRAM was held at PEC HQ ISLAMABAD. In this programme, fresh graduates were given letters for the ON THE JOB TRAINING in their respective specialized fields/industries. ENGR. NAJEEB HAROON (Chairman PEC) presided over the ceremony, which highlighted the need for OJT as well as a strategy road map for engineers' roles in building the economy and nation. Lt. Gen. Engr. Moazzam Ejaz (Engineer in Chief, Pakistan Army) announced OJT in the ARMY and allied forces as the Chief Guest. ENGR. MIR MASOOD RASHID briefed on the theme of this OJT initiative and progress achievement highlights with an announcement of approximately 500 internship vacancies. During this ceremony, 30 students were awarded 6-month OJT internship offer letters. Important industrialists, media figures, and a large number of PEC GB members also attended the event.

PEC has signed Agreement of Activities (AoA) with different industries in order to bridge the gap between academia and industry few of industries/ employers are mentioned below:
Hattar Industrial Association (HIA), Pakistan Association of Automotive Parts &Accessories Manufacturers (PAAPAM), Sialkot Chamber of Commerce and Industries (SCCI), Association of Builders and Developers of Pakistan (ABAD), POTENTIA ENGINEERING Pvt Ltd, and Fair Group of Companies.



NATIONAL DIALOGUE – TO ERADICATE ENGINEERS’ UNEMPLOYABILITY THROUGH ENTREPRENEURIAL SETTING

National Dialogue - To Eradicate Engineers’ Unemployment through Entrepreneurial Setting was held at Best Western Hotel, Islamabad on 28-29 July 2022. This magnanimous event was first of its kind in the history of Pakistan. This program was organized as per vision of Chairman, Pakistan Engineering Council (PEC) Engr. Muhammad Najeeb Haroon by the Innovation and Entrepreneurship Committee (ICE) under the dynamic leadership of Engr. Prof. Dr. Samreen Hussain, Vice Chancellor, Aror University of Art, Architecture, Design and Heritage Sindh and Member, PEC Governing Body graced. Sixty participants from different provinces/ regions of Pakistan including Azad Jammu & Kashmir and Gilgit Baltistan attended. These participants included all stakeholders from public and private sectors, successful young entrepreneurs, and unemployed engineering graduates from all over Pakistan.

Honorable Federal Secretary Ministry of Science & Technology represented on behalf of Federal Minister for Science and Technology, Mr. Agha Hassan Baloch and Honorable Federal Minister for Planning, Development and Special Initiatives, Engr. Prof. Ahsan Iqbal graced the event as Chief Guest for Day 1 and Day 2 respectively.



SEMINAR – INNOVATION IN HEALTHCARE



To promote awareness on latest innovations in medical devices and healthcare which can be translated into locally manufactured products/ solutions, PEC, and Alsons Group Karachi in association with Systems Pvt Limited jointly organized a Workshop/ Panel Discussion on Biomedical Technologies with Dr. David J. Howard.

Dr. Howard was appointed Professor of Head and Neck Oncology at Imperial College London and has thirty-five years of experience. He is also the Chairman of the Exovent Group, UK which have worked in collaboration with multiple local and international organizations for the development of a new and innovative Negative Pressure Ventilator named Exovent. Alsons Group from Pakistan is also one of the organizations that is collaborating with Exovent Group in prototyping. The prototype was announced at the seminar by Alsons Group, they also briefed about their intention of submitting a commercial model to PITC for engineering design validation prior to DRAP registration.

MEETING WITH IGNITE FOR COLLABORATION IN AREAS OF MUTUAL INTEREST

A meeting between PEC Academia Industrial Linkage Committee (AILC) and IGNITE National Technology Fund was held on 12 August 2022 to work together towards the common objective of promoting engineering profession through policy, technological advancement, professional skills, and capacity building, and encouraging and facilitating strong industry-academia-linkages.

Both AILC and Ignite agreed to jointly organize web-based trainings in specialized skills to PEC Accredited Engineering Students/ Graduates. Ignite also proposed to facilitate PEC in providing input regarding the curriculum requirements and skill demands in the ICT and affiliated industries. IGNITE and PEC would collaborate and organize “Road Shows”, showcasing ventures, including formal launch of the Technology Transition Fund (TTF) initiative by IGNITE. It was further agreed that PEC would also promote the initiatives through its platform for increased penetration among aspiring engineering graduates, entrepreneurs, and industrialists.



FIRST ENGINEERING CAPSTONE EXPO-2022



PEC received more than 400 projects from different HEIs, but only 173 of them—from 34 HEIs—was ultimately chosen to be displayed. **Capstone Expo in 2022**

All of the attendees were appreciated for taking part in the historic First Engineering Capstone Expo-2022. He continued by thanking each member of the governing body for their active participation and assistance in organizing the first engineering capstone expo in 2022

Worthy Senior Minister of Punjab, Mian Muhammad Aslam, officially opened the event. First Engineering Capstone Expo-2022 was held at Faletti's Hotel, Lahore, on September 19, 2022, under the dynamic leadership of admirable Chairman PEC, Engr. Muhammad Najeeb Haroon, to improve the quality of education and competency among young engineering graduates through competition of their knowledge, creativity, and skills demonstrated by respective FYDP/Capstone projects in the final year and to provide engineering education.



SYMPOSIUM ON QUALITY MANAGEMENT IN ENGINEERING EDUCATION

On September 19, 2022 the Faletti's Hotel in Lahore hosted a symposium on quality management in engineering education. Engr. Prof. Dr. Muhammad Kamran, VC, MNS-UET, Multan, presided over the Symposium, wherein panelists were Dr. Faisal Khan, chief organizer of Capstone Expo Quetta, Dr. Muhammad Inaytullah Khan Babar, vice chancellor of UET Taxila, Dr. Nasir Mahmood Khan, registrar of PEC, and Dr. Aqsa Shabbi, a professor of engineering at LCWU in Lahore.

A number of recommendations that the panelist made regarding quality engineering management in engineering education were accepted by the prominent dignitaries, VCs, and Deans. The audience appreciated the several persuasive arguments made at the symposium's conclusion regarding how to sustain quality management in engineering education across all national institutes.



SYMPOSIUM ON THE DEVELOPMENT OF AN INDUSTRY-ORIENTED CURRICULUM AND FYDP FOR ENGINEERS



On September 19, 2022, a symposium on the development of an industry-oriented curriculum and FYDP for engineers was held at Faletti's Hotel, Lahore and the opportunity was honored by Punjab Finance Minister Muhammad Mohsin Khan Leghari and ex-MNA Kanwal Shauzab with their presence as guest speakers. The session was moderated by Engr. Panelist consisting of Mian Sultan Mehmood, PEC-GB member and Engr. Dr. Asghar Zaidi, VC, GCU, Lahore, Engr. Abdul Razzaq Gauhar, Chairman PAAPAM, Dr. Amanat Ali Bhatti. PEC-GB member, Engr. Professor Dr. Suleman Tahir, VC KFUIET, Rahim Yar Khan, Engr. Dr. Ashfaq A Sheikh, HoD-EAD, Engr. Ahsan Akhtar, VC Wateen and Engr. Muhammad Ijaz Rabbani Creative Director attended. The symposium sparked a variety of fruitful discussions about the industry-led curriculum and how to develop his FYDP for engineers in laboratories across the country. The audience of applauded all of the panelists' suggestions.

ENGINEERS EMPLOYMENT VERIFICATION THROUGH NADRA E-SAHULAT

As per PEC Byelaws, firms employ engineers are to fulfill the mandatory requirement of PCPs (professional credit points). Till date, the engineer's employment with firms is biometrically verified within 21 PEC offices all over Pakistan using NADRA's biometric verification.

Engineers travel miles to visit PEC offices and undergo biometric verification. For facilitation of engineers and stakeholders, PEC has signed MOU with NADRA to utilize NADRA E-Sahulat services. Integration of E-Sahulat with PEC's Firm Registration portal is a key step towards automation drive, supported by PEC IT Team. Chairman PEC along with members of management Committee launched the E-Sahulat program/ service during 44th Governing body.

- 7000+ E-Sahulat Franchises all over Pakistan.
- Biometric facility can be availed anytime and anywhere.
- Saving of valuable time and money.



44TH GOVERNING BODY MEETING OF PEC



The 44th Governing Body meeting was held on 18th October 2022 at PEC HQ ISLAMABAD. The meeting was commenced with the recitation of Holy Quran by Engr. Dr. Niaz Ahmed Akhtar, vice chairman Punjab followed by national anthem. The honorable chairman PEC welcomed all the governing body members and highlighted the achievements of Pakistan Engineering Council over the past few years. The house unanimously confirmed the minutes of 43th GB meeting with the amendment that CIDB be established as an integral autonomous part of PEC with the principal role of coordination, facilitation and regulation of construction industry's overall business with the functional autonomy. The meeting ended with the vote of thanks to and by the chair.

EXCELLENCE AWARDS FOR ENGINEERS 2020-2021



Engineers' Excellence Awards 2020 and 2021, were organized by the Pakistan Engineering Council (PEC) at Aiwan-e-Sadr on 18th October 2022. The PEC Excellence Award objective is to recognize the outstanding services and worthy achievements of eminent Pakistani Engineers who have made notable impact in national interest and contributed significantly to the country's social and economic development. The award has been conferred upon the outperforming engineers in the country as well as expatriates who have contributed to the socio-economic development of Pakistan. President Dr Arif Alvi said that engineers have played a vital role in ensuring the growth and development of the country, besides improving the quality of life of the citizens. Among others, Chairman Engineering Council Engr. Muhammad Najeeb Haroon, members of the engineering fraternity and members of the civil society attended the ceremony. President of Pakistan Dr. Arif Alvi has honored competent engineers with PEC excellent award.

The President also appreciated PEC for its several initiatives, which included entrepreneurship, training of engineers, development of matchmaking portal, development of green energy building code, up-gradation of PEC's bidding documents and re-activation of Pakistan Institute of Cost and Contracts for enhancing the role of engineers in the socio-economic development of the country.



ENGINEERING DESIGN APPROVAL BY PITC FOR DRAP REGISTRATION OF PAKISTAN'S FIRST INDIGENOUSLY DEVELOPED BLOODLESS DIALYSIS CYCLER



There are approximately 8 million patients with requirement of dialysis in Pakistan, Byonyks approached PITC of PEC in April 2021 for the engineering design approval of Pakistan's first Bloodless Dialysis Cyclers for home use as preconditioned for DRAP registration of electromedical devices. During COVID-19, PEC was assigned lead role for engineering design validation of locally manufactured electromedical devices.

Over the course of the evaluation Byonyks submitted a total of 204 documents to PITC of PEC containing management system, product design, development, manufacturing, QA/QC test plans, test reports from in-house testing, and test and calibration reports. PITC Team also visited Byonyks factory for comprehensive performance and functional evaluation of selected devices and management system followed by qualification in device specific endurance testing under the supervision of PITC/ PEC Expert Group.

The Expert Group gave formal approval to Byonyks on 21st October 2022 for onwards registration with DRAP. PEC through such initiatives, aims to provide a platform for practical, innovative, and local solutions to the problems faced by Pakistan's Healthcare System.