



# PEC Newsletter

Patron-in-Chief  
Engr Jawed Salim Qureshi  
Chief Editor  
Engr Dr Ashfaq A. Sheikh  
Vol. 47, March 2020  
(Jan – Mar, 2020)

This issue includes:

- Role of PEC in COVID-19: Local Manufacturing of Ventilators & Biomedical Equipment
- PEC for Online Education under COVID-19 Scenario
- Standing Committee of National Assembly on Science & Technology visited PEC
- PEC launched Free Live Webinars Facility for Engineers
- Regional Committees of PEBs for Quality Assurance & Coordination of CPD Activities
- Workshop in collaboration with PHEC for PEVs on "Outcome Based Accreditation (OBA)"
- CPD Course on Domestic and International Arbitrations
- 7<sup>th</sup> meeting of ECRDC concluded Curricula for 13 Engineering Disciplines
- PEC Chairman graced 2<sup>nd</sup> International Conference on Technical Textiles
- World Engineers Day for Sustainable Development
- Humanity in the Time of COVID-19

**Feedback & news:**

[drashfaq@pec.org.pk](mailto:drashfaq@pec.org.pk)

(+92) 51-2876702

## Role of PEC in COVID-19: Local Manufacturing of Ventilators & Biomedical Equipment

Pakistan Engineering Council (PEC) is continuing its role towards socio-economic development event under Coronavirus Pandemic. In the wake of acute shortage of Ventilators and other biomedical equipment to deal with COVID-19, PEC constituted a high level Experts Committee comprising foreign/ local engineers and professionals for the local manufacturing of Ventilators and allied equipment. In a shorter period of few weeks, the proposal of PEC Experts Group has been approved by the Federal Government/ DRAP for the local manufacturing of Ventilators at 4 - 5 times less cost which would be available in the market in few weeks' time to deal with the COVID-19 emergency. From now onwards, PEC has also been assigned the lead role to assist in the local manufacturing of Innovative Engineering and Technological solutions including Biomedical Equipment.



## PEC for Online Education under COVID-19 Scenario

PEC Governing Body held its 37<sup>th</sup> meeting online under country-wide lockdown due to COVID-19. The main agenda of the meeting was setting policy towards online engineering education to save the precious time of the graduates while ensuring safety against Coronavirus Pandemic. Altogether 70 participants including GB Members and PEC officials from all over the country joined the online meeting. The Governing Body also approved a several million Relief Package for the Constructors & Operators under economic crisis due to COVID-19. A similar package was also proposed for the Consulting firms besides recommendations to GoP for tax reforms.



## **Standing Committee of National Assembly on Science & Technology visited PEC Headquarter**

The National Assembly Standing Committee on Science & Technology visited Pakistan Engineering Council (PEC) on 28<sup>th</sup> January 2020. The delegation included Chairman of the Committee Mr. Sajid Mehdi and legislators. The delegation was briefed on the working of PEC and achievements towards progression and development of engineering and industrial sector of the country. The Chairman PEC Engr. Jawed Salim Qureshi briefed the honorable members about technology transfer and innovation in agriculture sector besides ingenious solutions to enhance agricultural growth. The Chairman PEC also briefed the honorable members about engineers' pivotal role in GDP growth while highlighting the issues being faced by the engineers.



## **PEC launched Free Live Webinars Facility for Engineers**

Under the New CPD Vision, specialized and skill enhancement courses are being organized besides integration of IT tools for wider outreach and facilitation to large engineering community. PEC through its **CPD Online Platform** launched 1<sup>st</sup> Live Webinar on 18<sup>th</sup> February 2020 which was free for participating engineers. Altogether 250 engineers participated across the globe against the 800+ registrants. Engr Dr Ali Sajid was the Resource Person. After successful launch, it was stressed to continue the facility for which other Digital Platforms like Knowledge Now, Quality Solutions are offering market-based trainings and certification programs for the engineers under the PEC umbrella. PEC is continuously providing online CPD facility for the engineers under COVID-19 situation.



## **Regional Committees of Professional Engineering Bodies (PEBs) for Quality Assurance & Coordination of CPD Activities**

PEC, in its efforts towards capacity building and skill enhancement of engineers, has registered large number of engineering academies, technical organization, and higher education institutions as PEBs (161 at present). For better coordination, quality assurance and monitoring, PEC has constituted 07 Regional Committees headed by Governing Body/ EPDC Members whereas respective PEC Regional/ Branch Offices would facilitate Secretariat support. This would also ensure resource sharing and planning of demand-based training and courses to fulfill the occupational and skill enhancement needs of the engineers.



Besides meetings of other Regional Committees, the 1<sup>st</sup> meeting Islamabad Region was held on 23<sup>rd</sup> January 2020 wherein the Coordinators/ Focal Persons from all 47 registered PEBs participated and shared their suggestions for better coordination and facilitation. The participants appreciated the vision and effort of PEC for providing a common

platform for experience sharing as well as getting clarification over various policy issues and regulations of PEC.

### **Training Workshop in collaboration with PHEC for PEVs on “Outcome Based Accreditation (OBA)”**

PEC is regularly organizing trainings for the faculty and Program Evaluators (PEVs) to facilitate implementation and capacity building of HEIs in connection with Washington Accord framework. For this purpose, PEC in collaboration with Punjab Higher Education Commission (PHEC) organized a 5-day training workshop for PEV's from 13 to 17 January 2020 at Lahore. The main objective of the training was to train the Faculty/ PEVs in OBA system for the capacity building and to enhance the available pool of subject experts.



### **CPD Course on Domestic and International Arbitrations**

Under CPD framework, the focus of PEC is to offer market-based trainings for practicing engineers and professionals to handle complex engineering projects and procurement challenges. In this context, a short course on “Domestic and International Arbitrations” was held on 25<sup>th</sup> February 2020 at PEC HQ, Islamabad. Engr. Liaqat Hayat and Mr. Rana Sajjad were the Resource persons. The main objective of course was to equip practicing engineers with modern procurement tools and provide understanding about domestic and international legalities of arbitrations. More than 100 engineers from various technical, consulting and strategic organizations attended the course.



### **7<sup>th</sup> meeting of ECRDC concluded Curricula for 13 Engineering Disciplines**

The 7<sup>th</sup> meeting of Engineering Curriculum Review & Development Committee (ECRDC) was held on 12<sup>th</sup> March, 2020 at PEC HQ Islamabad. The Conveners of all Subject ECRDCs attended the meeting besides Director General HEC Engr Muhammad Raza Chohan and Convener Engr. Prof Dr Fazal Ahmad Khalid. Out of 30 disciplines, ECRDC took up review and development of curricula for 13 undergraduate engineering programs.



The ECRDC reviewed the finalized curricula for 07 new disciplines and review of 06 existing programs. The Conveners of subject ECRDC highlighted the alignment of curriculum with Outcome Based Education (OBE) system while attainment of Sustainable Development Goals (SDGs-2030) and WA Graduate Attributes. The revision of courses viz “Pakistan Studies and Global Perspective” and “Islamic Studies and Ethics” by renewed scholars and institutions were much appreciated. The Committee endorsed 13 curricula including

Agricultural, Avionics Engineering, Automotive, Aerospace, Building & Architectural, Computer, Geological, Geoinformatics, Transportation, Polymer, Telecom, Textile and Software Engineering.

### PEC Chairman graced 2<sup>nd</sup> International Conference on Technical Textiles

The PEC Chairman Engr. Jawed Salim Qureshi graced the 2<sup>nd</sup> International Conference on Technical Textiles as Chief Guest, organized by National Textile University Faisalabad. The objective of conference was to facilitate interaction between researchers and professionals working in the field of textile engineering. The conference provided the platform for professionals from academia, industry and governing bodies to interact and discuss their problems while highlighting the achievements in the field of textile through modern manufacturing techniques and technologies.



### World Engineers' Day for Sustainable Development

World Engineers Day was celebrated at University of Engineering and Technology, Taxila on 4<sup>th</sup> March 2020 to acknowledge the value of engineering sector while appreciating the efforts and role of engineers for a sustainable development and progress of Pakistan.

The Chief Guest Engr Jawed Salim Qureshi, Chairman PEC shared PEC efforts and role for the betterment of engineers while highlighting the importance of engineering sector being backbone of country's economy. Besides, Engr Prof Dr Inayatullah Babar, Vice Chancellor UET Taxila, Rectors and Vice Chancellors of various other universities also attended the ceremony.



### Humanity in the Time of COBID-19

Our planet earth was progressing in the arena of technological advancement until the novel Covid-19 virus i.e. Coronavirus Pandemic that originated from few countries and has bought global economy to halt. During past three months, the global pandemic declared by WHO has rapidly rooted itself to almost all countries of the globe, forcing most of people stranded to their homes. Pakistan has taken necessary protective, strategic and economic measures to fight against this Pandemic. Until and unless suitable vaccine is developed, the only medicine is "Stay Home, Stay Safe". PEC has taken drastic measures for employees and visitors by providing masks, sanitizers and adopting precautionary measures while continuing its services mostly through online facilities.

