



PAKISTAN ENGINEERING COUNCIL

Regulating the Engineering Profession

PEC PAKISTAN DEVELOPMENT COMMITTEE PROJECTS

PEC PPDC (Pakistan Development Committee) in line with the PEC objectives and Chairman PEC Engr. Muhammad Najeeb Haroon vision, initiated multiple projects since its inception in Jan 2021. Under the convenership of Engr. Mir Masood Rashid, Advisor to Chairman, PEC multiple initiatives taken and delivered against the set TOR's and SMART objectives set in-line with the PEC strategic objectives.

All projects live updates are available at PEC-PPDC website which is accessible by following the link: <https://pec-ppdc.org/>

PPDC COMMITTEE

1.	Engr. Mir Masood Rashid	Convener
2.	Engr. Syed Jawwad Haider Gillani	Member
3.	Engr. Dr. Zubair Ahmed Shaikh	Member
4.	Engr. Dr. Khadija Qureshi	Member
5.	Engr. Muhammad Nasir Khalily	Member
6.	Engr. Abdullah Shahwani	Member
7.	Ms. Sania Kamran	Member
8.	Engr. Dr. Komal Kamran	Member
9.	Engr. Dr. Aqsa Shabbir	Member
10.	Engr. Adil Nawaz	Member
11.	Engr. Afaq Ali Siddiqi	Member
12.	Engr. Daniyal Hameed	Secretary

Projects undertaken by PEC PPDC in 2021-23

- STEM Education
- Day Trip Learning
- Annual Financing Scheme of Final Year Design Projects (FYDP)
- Engineering Capstone Expo
- PEC E-Library
- Helping Industries by providing Internee Engineers
- Graduate Internship Training (GIT) Program
- PEC E-Gateway
- UN-SDG's Adoption
- Engineer Parliamentarians Caucus





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DAY TRIP LEARNING



PEC Pakistan Development Committee (PPDC) has taken an initiative of “**Day Trip learning**” for 3rd year Engineering students, which is a mandatory requirement for all Engineering Universities. The launching ceremony of Day Trip Learning was organized by PEC at NUTECH Islamabad on 20th July, 2023. The event was graced by the presence of renowned engineers, researchers, academicians and Engr. Lt Gen Kashif Nazir HI(M) as Chief Guest.

Industrial and field trips provide engineering students with an opportunity to learn practically through interaction, working methods and occupational practices. It gives the students exposure to modern work practices complementing theoretical knowledge. Visualization of bridging the gap through industry and field tours by students intending to go beyond classroom learning is the mission of Day trip learning project.

Better understanding between academia and industry through students' awareness of industry problems; industry awareness of university experience and technical resources; establishing partnership between universities and industry to address their needs through R&D and design project; commercialization prospects for university research and semester projects; and creation of internship and employment opportunities for university graduates in the industry. Live DTL activities accessible with uploads by all universities can be seen using following this Link: <https://daytriplearning.pec.org.pk/>

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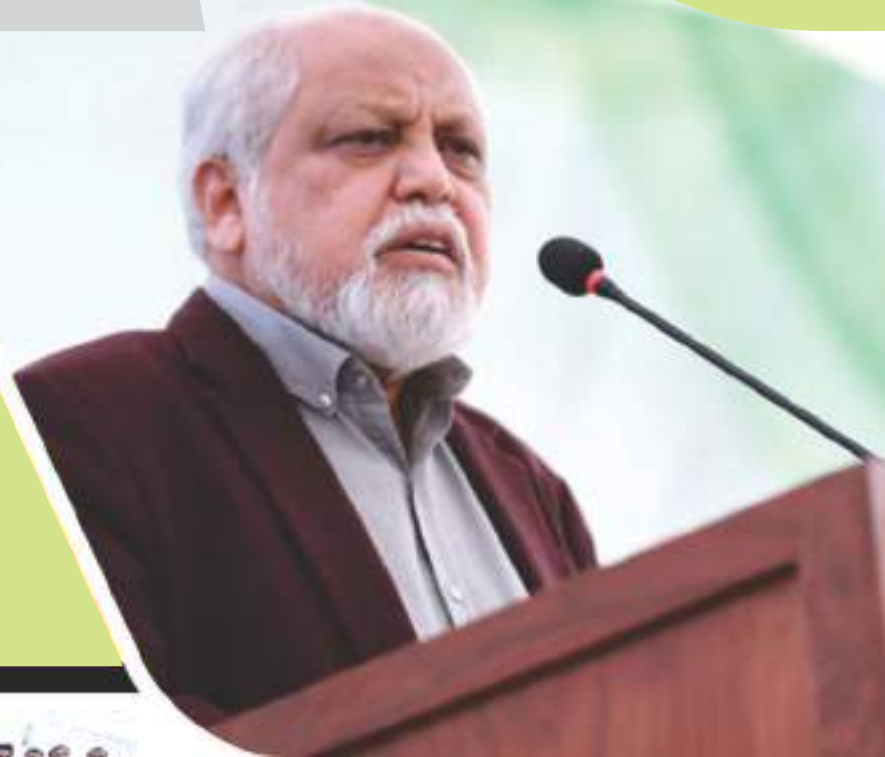




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PPDC Project No. 3

Annual Financing Scheme of Final Year Design Projects (FYDP)



PEC Pakistan Development Committee (PPDC) launched Annual Financing Scheme of Final Year Design Projects to boost up the quality education and competency among engineering graduates through quality projects and competition by financing FYDP/ Capstone projects in the final year.

PEC in collaboration with universities and industry identifying current market/industry relevant topics for Engineering students as Final Year Design Projects (FYDPs) by industry survey study and business community through Chambers of Commerce, ABAD, Defence sector, cantonments & Industries Estates. Relevant, pertinent, and current projects as per local need of industry being selected in collaboration of universities for focused classification Final Year Design Projects (FYDPs). Final Year Projects focused on the entrepreneurship of Young Engineers which is to be promoted with facilitation of networking to resources, mentorship and facilitation of loans and grants for startups.

In Annual Financing Schemes of Final year design project 250 engineering design projects of 50 universities from all over Pakistan were funded. Application for FYDP sponsorship program is access able through following Link:

<https://forms.gle/zHk2peReTtTbPgvx8>



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PPDC Project No. 4



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ENGINEERING CAPSTONE EXPO

To boost up the quality education and competency among engineering graduates through competition of their respective FYDP/Capstone projects in the final year, PEC launched Annual Award of Final Year Design Projects (FYDP). Under the patronage of program "Engineering Capstone Expo-ECE-2022 (a series of events) were organized in five regions across the country for Engineers, Employers and all relevant stakeholders as a platform to showcase top notch technologies, research through Capstone projects based on the solution of Industrial and Societal problems.

In ECE industries are invited to participate to help our universities gain more market exposure as well as be able to network with world-class manufacturers of different varieties of engineering products. Engineering students will know the need of the industry and how markets are working and seeking Engineering solutions to industrial problems. In this ECE, FYDP's will be given media projection at industrial and governmental platform as per current country needs and for facilitating talent & growth opportunities of Young Engineers.

Three **CAPSTONE EXPO** has been successfully held **1st in Punjab (Lahore)**, **2nd in Baluchistan (Quetta)** and **3rd in Federal (Islamabad)** in the following manner.

Sr. No	Name of Provincial Capstone Expo	Location	Conducted Date	No of Projects Displayed
1	Punjab Engineering Capstone Expo-2022	Lahore	Sept 19, 2022	173
2	Baluchistan Engineering Capstone Expo-2022	Quetta	Dec 08, 2022	100
3	Federal Engineering Capstone Expo-2022	Islamabad	Jan 20, 2023	150



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PPDC Project No. 5



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PEC E-LIBRARY

PEC Pakistan Development Committee (PPDC) has taken initiative of PEC E-library with a commitment to advancing knowledge, promoting research, and fostering excellence in engineering, PEC aims to introduce E-library to provide, an online platform that will provide engineers, researchers, and students across the country with unprecedented access to a vast array of engineering resources. The launching ceremony of PEC E-library is scheduled on 1st October 2023.

This digital repository will offer a comprehensive collection of scholarly articles, technical papers, research publications, e-books, and other valuable resources spanning various disciplines of engineering. PEC E-Library will provide users with the convenience of accessing a wealth of information from the comfort of their homes or workplaces. Engineers, students, and researchers will be able to explore cutting-edge research, stay updated with the latest industry trends, and enhance their understanding of critical engineering concepts through a user-friendly interface.

PEC E-Library is accessible by following the below:

link: <http://eveschool.auksunlms.com/pec-library>



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PPDC Project No. 6



HELPING INDUSTRIES BY PROVIDING INTERNEE ENGINEERS

PEC Pakistan Development Committee (PPDC) has launched a program namely Graduate Internship Training (GIT) program, helping industries by providing internee engineers. The purpose is to provide skilled interns/workforce to the relevant Industry.

<https://forms.gle/bfPUBf9ossKaE9eF7>



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GRADUATE INTERNSHIP TRAINING (GIT) PROGRAM

To provide fresh graduates with hands-on exposure, working knowledge, skill enhancement and professional competence to handle latest techniques and technologies. PEC launched **"Graduate Internship Training (GIT) Program"** after its concurrence in 43rd GB meeting. Under this scheme 2,000 fresh engineers who have completed their engineering degree during years 2018 and 2023 (last Five years) will be engaged in various sectors.

The launching ceremony of GIT was held on June 28, 2022, wherein Engr. Muhammad Najeeb Haroon, Chairman, PEC presided the function and Gen. Engr. Moazzam Ejaz (Engineer in Chief, Pakistan Army) graced the occasion as Chief Guest. For Smooth implementation of PEC –GIT program following Governing Body Member(s) played an viol role:

Federal	Punjab	Sindh	KPK	Baluchistan
Engr. Azharul Islam Zafar, Member PEC Governing Body	Engr. Jawwad Gillani, Member PEC Governing Body	Engr. Mukhtiar Sheikh Vice Chairman Sindh	Engr. Prof. Dr. Saeed Gul, Member PEC Governing Body	Engr. Prof. Dr. Faizullah Khan kakar, Member PEC Governing Body

For engineers to apply
<https://ojt.pec.org.pk/>



Following are the statistics of the Initiative:

Total Applicants	Applicants Reached	Applicants Issued Letter	Applicant Continuing Internship	Applicant Left During Training Period	Applicant Completed Internship	Applicant Not Joined
10456	5000	2300	1365	80	520	335

For engineering companies to apply
<https://forms.gle/bfPUBf9ossKaE9eF7>





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PEC Pakistan Development Committee (PPDC) launched initiative namely **PEC-E-Gateway**, one of its kind first time in Pakistan, it is a digital procurement system of local Engineering Consulting Services. The platform of PEC gateway is designed to operate under competitive, fair, and transparent procedures in compliance with the internationally accepted procurement policies for export of local Engineering Services internationally. The aim is to contribute to creating knowledge-intensive service-oriented economy and represent local Engineering Industry as Tech enabled service from the trusted and credible platform of PEC.

The PEC Gateway is launched with a focused objective of promoting local Engineering Talent in international market through coordinated efforts of overseas engineers for preserving brain drain at national level.

PEC E-GATEWAY webpage is accessible by following the link or QR code:

Link: <https://egateway.pec.org.pk/>



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UN-SDG's ADOPTION

PEC Pakistan Development Committee (PPDC) formed UN-SDG's taskforce for which inaugural session held at PEC HQ Islamabad to formulate working strategy and its adoption by 2025.

Pakistan as a state has set UN-SDG's Goals adoption by 2030. To support the common cause, PEC being in the regulatory position pledge to adopt UN-SDG's (Sustainable Development Goals) by 2025.

Details accessible by following below: [Link: https://pec-ppdc.org/unsdgs/](https://pec-ppdc.org/unsdgs/)



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ENGINEER PARLIAMENTARIANS CAUCUS

Pakistan Engineering Council (PEC) is a national apex regulatory body constituted through an enactment of the Parliament (PEC Act 1976) to regulate the engineering profession in totality including engineering education and practice such that it shall function as key driving force for achieving rapid and sustainable growth in all national, economic, and social fields. The Council as per its Act has also special mandate to act as a **“Think Tank to the Federal Government”** to provide assistance in all matters pertaining to engineering profession and policies required for the socio-economic development of the country

PEC feels strongly the need to constitute an “Engineer's Parliamentarians Caucus (EPC)” of Pakistan Engineering Council enabling this apex professional body to work with the hon'ble Members of Parliament and their Colleagues to seek advocacy support on behalf of the engineering profession and fulfillment of PEC role particularly as “Think Tank to the Federal Government” to bring an engineering perspective in public policy decision-making for the betterment of engineering profession and the society.

Link: <https://pec-ppdc.org/engineering-parliamentarian-caucus/>



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