



# DIL NEWS LETTER ROUNDUP

Directorate of Industrial Liaison  
NED University of Engineering & Technology

"Collaborate, Innovate, Transform"

Academia

Government

Industry

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### EDITOR'S NOTE:



The Higher Education Commission's (HEC) flagship effort, the Academia - Industry - Government Linkages (Triple Helix) platform, links scientists from Pakistani institutions with professionals from Industry and Government. The synergy among academia, industry, and government is paramount in fostering innovation, economic growth, and societal advancement. Academia serves as the cradle of knowledge creation and dissemination, conducting research and nurturing talent. Industry brings practical applications to the forefront, driving economic development through technology, product innovation, and job creation. Government plays a crucial role in providing regulatory frameworks, funding research initiatives, and shaping policies that facilitate collaboration and address societal needs. Together, these sectors form a powerful triumvirate, where the exchange of ideas, resources, and expertise catalyzes transformative change. This interconnectedness not only accelerates progress but also ensures that innovations are ethically sound, sustainable, and accessible to all, shaping a future characterized by prosperity and well-being. The seamless integration of academia, industry, and government serves as the cornerstone of a nation's advancement in the contemporary world.

Ali Zulqarnain, Ph.D.  
Director Industrial Liaison



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## ABOUT THE DIL:

The Directorate of Industrial Liaison (DIL) was established at NED University of Engineering & Technology in 1997. The prime objectives of DIL are to create and enhance the required university-industry linkages in the form of various activities. Arranging internship opportunities in vacations for students in different organizations. Collecting the topics of final year design projects (FYDPs) and arranging technical/practical help from the industries related to the FYDPs. In addition, DIL arranges on perpetual basis study visits for the students and faculty at various industries and organizations to get practical exposure to the industry. DIL also provides assistance to industries/organizations in respect of research and expert engineering services through teaching faculty to address their technical problems and encouraging prospective employers for "On-Campus" hiring and facilitating them to conduct Career Counseling Sessions, Presentations, Tests and Interviews for recruitment.



### DIL VISION

*"To empower students to discover and pursue a path towards a fulfilling career, so they can make their own unique marks Pakistan's social and economic transformation"*

### DIL MISSION

*"Recognizing that career development is a life-long process, the mission of DIL Department is to facilitate students as they explore and further understand themselves and career options, gain valuable experience, develop as professional market leaders, and present their knowledge for betterment of society"*



## STUDENTS ACTIVITIES

### JOB PLACEMENTS:

The DIL department ensures equal job opportunities for both male and female students, prioritizing gender equality (UN-SDG 5) and reducing inequalities (UN-SDG 10) by guaranteeing that everyone has access to the same career opportunities. The DIL department has posted job openings on its website, open to both male and female graduating and graduated students. Jobs are awarded based solely on merit, in accordance with the employer's assessment criteria. <https://www.neduet.edu.pk/DIL#fresh>



DIL encourages prospective Employers for "On-Campus" hiring and facilitates them to conduct Career Counseling Sessions, Presentations, Tests and Interviews for recruitment. Many multinational companies, some overseas employers, local business groups and Small and Medium Enterprises (SMEs) are availing such facilities on a need basis. In this quarter (January - March 2024) more than 80 organizations have been facilitated by placing their job ads & on-campus hiring information on DIL's web notice board creating equal opportunities for all the students. To increase the visibility of department core objectives like internships and jobs a new tab has been introduced and placed in the NED main web page's front window for maximum accessibility.



Dr. Sarosh Hashmat Lodi, The Vice Chancellor-NED University graces the event for being the chief guest of DIL's Career Fair 2023. This program had an enormous turnout comprising of more than 5000 NED fresh graduates and alumni.



## INTERNSHIPS:

DIL is involved in arranging internship opportunities in vacations for students in different organizations as per NED's academic calendar. Third-year students are accommodated for four weeks of internships from 11th March to 12th April, 2024, in the Ramadan break. More than 30 different organizations have facilitated many students for Internships. The DIL also facilitates internships for both male and female students across diverse industries such as Civil and Petroleum, Electrical and Computer, Mechanical & Manufacturing, Chemical and Process, Architecture and Sciences, and other allied disciplines. Students engage in internships during their semester breaks and vacations according to the academic calendar.

## INDUSTRIAL STUDY VISITS:

The purpose of organizing an industrial visit for second-year students is multifaceted and essential for their academic and professional development. Industrial visits play a pivotal role in the holistic education of students by bridging the gap between theory and practice, providing industry exposure, fostering professional development, and inspiring future graduates.



A study visit was arranged for students from the Industrial & Manufacturing department at Ghandhara Tyre & Rubber Company Limited, to gain insight into the company's manufacturing operations. Students gained direct observation of a variety of production processes during the visit, as well as knowledge of the methods used to create high-quality goods that satisfy customers demands



ISMAIL INDUSTRIES LIMITED

## INDUSTRIAL COLLABORATION

### ISMAIL INDUSTRIES:

The collaboration between NED and Ismail Industries began with a meeting. During this meeting, a group picture was taken to commemorate the occasion at the beginning of 2024.



**MOU Signing Ceremony:** Following the initial meeting, a team of higher management from NED University visited Ismail Industries for a Memorandum of Understanding (MOU) signing ceremony. The MOU likely outlines the terms and objectives of the collaboration, which includes joint research projects, internships, training programs, or other initiatives aimed at fostering closer ties between the university and the industry.



**Reducing Gaps Between Industry and Academia:** The primary goal of this collaboration appears to be reducing the gaps between industry and academia. By working together, NED and Ismail Industries can share knowledge, resources, and expertise to address real-world challenges, promote innovation, and prepare students for careers in their respective fields



## **DAWLANCE ARÇELIK GLOBAL:**

A pivotal meeting unfolded at the University of Engineering and Technology, where a senior delegation from Dawlace Global converged with the esteemed leadership of NED University. The collaborative session explored prospects for synergy that may unite academia and industry, set in the context of state-of-the-art research facilities. Technology development and readiness, incubation, and capacity building were the focus points. This meeting exemplified the power of collaboration in catalyzing transformative advancements and fostering mutually beneficial relationships between academia and industry.

In an effort to discover potential collaborations, the delegation visited the National Incubation Centre (NIC) and other research facilities of the Neurocomputation Lab (NCL) - NED University.



### **Exploring Collaborative Opportunities:**

subsequently, the NED Research Team visited Dawlace DPL Unit 2 to look into potential NED-related projects, faculty industrial placement programme (FIPP), and cooperative internship programme. The visit and discussions mark a significant step towards fostering innovation and excellence.



**INDUS MOTOR COMPANY:**

A team from the Innovation, AI, and Digitalization Engineering - Indus Motor Company (IMC) made a visit to NED University of Engineering and Technology. Engaging discussions were organized throughout the tour to explore innovative opportunities for NED University and IMC to collaborate. The topics of discussion included indigenization initiatives related to automation, robotics, AI, and quality assurance.

The exchange of ideas between the two institutions was described as enriching, comprehensive, and forward-thinking. NED - IMC expressed enthusiasm about the potential synergy and opportunities for collaboration in technology and education.

This visit and the subsequent discussions between IMC and NED University highlight the importance of industry-academia partnerships in driving innovation, research, and development. Such collaborations can lead to mutual benefits and contribute to the advancement of technology and education in Pakistan.

Furthermore, Continuous Quality Improvement ideas i.e. "Kaizen" and "Karakuri" were looked into with a focus on integrating students and faculty in these domains at Indus Motors.





## INTERNATIONAL STEELS LIMITED:

The Abul Kalam Library at the NED University of Engineering and Technology inaugurated with the generous support of International Steels Limited (ISL). Following the inauguration, discussions were held between the leadership of ISL and NED University. The collaboration between ISL and NED extends beyond infrastructure, fostering discussions on internships, fellowships, faculty industrial placement programme, cooperative internship programme, and job opportunities.

Together, NED University and International Steels Limited are embarking on a journey of impactful academic-industry partnerships.



## INTERNATIONAL ACCORD:

Collaborative meetings held with International Accord, and the Leadership of NED University. Explored potential collaborations between the Pakistan Accord and NED University in various areas, including staff recruitment, training for newly hired engineers, capacity building for suppliers, testing and upgrading university laboratories relevant to Accord work, advisory services on technical matters, and other mutually beneficial initiatives. More positive interactions with all significant stakeholders are anticipated by NED and International Accord.





# **OPEN INVITATION** FOR INDUSTRY AND GOVERNMENT Cooperative (Co-op) Education Programme

DIL is pleased to invite industry to collaborate with NED University of Engineering and Technology's Cooperative Education (Co-op) Program. NED University is dedicated to providing students with a holistic education, integrating practical experience alongside their academic curriculum. We invite you to consider accepting NED students as interns throughout their academic journey, from the first year to the final year, with the possibility of continued placement based on performance, especially during students' vacations.

Co-op education serves as a mutually beneficial platform for both academia and industry. It offers students a unique opportunity to gain hands-on experience in real-world settings, enhancing their academic learning and fostering professional growth. By participating in internships during their vacations, students develop essential skills, broaden their industry knowledge, and establish valuable connections within your organizations.

For industry partners like yourselves, hosting NED students as interns presents an opportunity to contribute to the development of future talent while gaining access to motivated and capable individuals. Engaging with our Co-op program allows you to mentor students, share industry insights, and potentially identify promising candidates for future employment opportunities within your organizations.

Our Directorate is open to scheduling meetings to discuss how we can tailor our Co-op program to meet your organization's specific needs and objectives. We believe that by working together, we can create meaningful learning experiences for students while addressing the talent needs of your industry.

Thank you for considering this partnership opportunity. We look forward to the possibility of collaborating with you and furthering the success of our Co-op program.

Warm regards,  
Ali Zulqarnain, Ph.D.  
Director  
Directorate of Industrial Liaison (DIL)





# **OPEN INVITATION** FOR INDUSTRY AND GOVERNMENT **Faculty Industrial Placement Programme (FIPP)**

DIL is writing to extend a cordial invitation to consider participating in our Faculty Industrial Placement Programme (FIPP)-NED University of Engineering & Technology (NED UET). This innovative initiative seeks to bridge the gap between academia and industry by providing faculty members with hands-on experience in the corporate world.

Under the FIPP Programme, faculty members will have the opportunity to spend their vacation period (2-3 months) embedded within the industry, working full-time hours alongside your team by immersing themselves in the day-to-day operations of your company, our faculty members will gain invaluable insights into industry best practices, emerging trends, and real-world challenges. This firsthand experience will not only enrich their teaching methodologies but also enable them to better prepare our students for the demands of the ever-evolving job market. Moreover, we believe this exchange of knowledge and expertise will be mutually beneficial. Your company stands to benefit from the fresh perspectives, academic rigour, and research capabilities that our faculty members bring, while our faculty members will gain a deeper understanding of industry dynamics and requirements.

We would like to request a meeting at your earliest convenience to further discuss the details of our FIPP and explore how the industry can actively participate. Your input and collaboration are invaluable as we work towards fostering stronger ties between academia and industry.

Thank you for considering our invitation proposal. We look forward to the opportunity to collaborate and create meaningful impact together.

Warm regards,  
Ali Zulqarnain, Ph.D.  
Director  
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