



# DIL ROUNDUP

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Directorate of Industrial Liaison - NED University of Engineering & Technology

## Editor's Note



University industrial collaboration refers to the interaction between higher educational system and industry aiming mainly to encourage knowledge and technology exchange. Universities have a wealth of knowledge and talent, from world class academic researchers to students and stimulate companies for internal

research and development programs. University researchers help industrial scientists to identify current research that might be useful for them to design and development of innovative processes and potential products for them.

**Engr. Dr. Muhammad Amir Qureshi**  
Director DIL

## About 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 including Internships, Field study visits, Final year projects and Job placements.

The vision of DIL Department is to empower students to discover and pursue a path to a fulfilling career, so they can make their own unique marks Pakistan's social and economic transformation.

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.

University and Industry are key actors of the national innovation system of any country. Historically, university researchers have collaborated with industrial scientists on marketable projects. Traditionally, industry sought partnerships with universities as a means to identify and train future employees.

The interdependent research relationships between universities and companies enable both entities to sustain growth in their areas. While companies rely on university researchers for product innovations, faculty gains prestige through increased external research funds. Just as industry needs innovative ideas to ensure profits, researchers need additional research dollars to sustain faculty productivity. Following are the KPI's of DIL Department.

1. Industrial Visits
2. Internships
3. Job Facilitation/ Recruitments
4. Final Year Design Projects



# 1. Industrial Visits

DIL arranges study visits for the students from 2nd year onwards and faculty at various industries and organizations to get the practical exposure of the industry.

Given below are a few significant benefits of industrial tours to our students:

1. **Opportunity to interact with Industry Experts:** Industrial visits provide students with a chance to meet industry leaders, professionals, entrepreneurs, policymakers, and corporates who share their wisdom, learning, and experiences & the faculty members get to know about the industry's latest trends.
2. **Learning experience:** Educational tours to industries provide an opportunity for students to see and experience real workstations, plants, machines, systems, assembly lines, and interact with highly trained and experienced personnel. This practical learning experience is necessary for students who have to date studied theory only and are unaware of a real production plant's daily workings. The students learn about company policies in terms of production, quality, and service management and acquaint themselves with the working of instruments during the course curriculum.
3. **Enhanced employability and Pre Placement Offer (PPO's):** Industrial visits play a crucial role in increasing networking opportunities while building a good relationship with companies. For students, such trips open many doors for corporate training and internships, which in turn increase the students' employability. Oftentimes, many students are offered PPO's as a result of fruitful interaction between the company's HR and students.
4. **Management Lessons:** During the industrial visits, the students get an opportunity to experience how professionals live, learn about various management concepts like Just In Time or Lean manufacturing and how they are put into action. It is not easy to manage hundreds of skilled and unskilled workers at the same time and meet the stringent quality norms and production targets of the company.
5. **Interpersonal skills enhancement:** Industrial trips help students to enhance their interpersonal, communication skills, and teamwork abilities. These visits have, time and again, proved to be an excellent platform for networking as the students interact and connect with the corporates via official social media platforms like Facebook, Linked In, and Twitter. These educational/ industrial trips also help the students identify their learning towards a branch and decide their future work areas like production, finance, operations, IT etc.

## Following visits were arranged in (1<sup>st</sup> Qtr)

**Amreli Steels Limited**  
IMechE NED Chapter (Society)

**Hinopak Motors Limited**  
Mechanical Engineering

**Artistic Milliners (Pvt.) Ltd.**  
Industrial Manufacturing  
Automotive Engineering

**Gul Ahmed Textile Mills**  
Textile Engineering  
Textile Science Department  
Management Sciences

**Atlas Autos (Pvt.) Ltd.**  
ASME NEDUET (Society)



**Food Engineering Department visit at National Foods**



## 2. Internships

DIL is since then involved in arranging internships opportunities in vacations for students in different organizations / industries as per academic calendar.

**Cooperative Education program** a combination of classroom-based education with practical work experience. The conventional education system has a lack of correlation between the academia curriculum and industrial practices. Many employers train students before hiring as graduate trainee for a specific period of time before they could start their jobs. Proper implementation of the 'Co-op' helps in bridging this gap. Students will be able to undergo industrial training during their studies thereby make a smoother education-to-work transition. As a part of Co-op education program, nominated students from the university on the basis of merit has completed 1st phase of internship successfully & will be doing internships in their (spring/fall) semester breaks from first year till the time of their graduation.



*3<sup>rd</sup> year students from electrical, electronic and mechanical engineering department were awarded with laptops by Pakistan International Container Terminal (PICT) Ltd. Parents of the internees were also present in the ceremony.*



**Internship at Gatron Industries  
Abdul Samad (Mechanical Engineering)**

## 4. Final Year Design Projects

DIL is engaged in collecting the topics of final year projects and arranging technical / practical help from the industries related with the projects. In a number of cases the industries have assigned projects to the university students with competent advisors from their organizations to help the students.

189 Projects were received and shared with the departments against the request letters sent to the following prominent companies.

Paragon Construction	PCSIR
Patel Hospital	SSGC
Artistic Milliners (Pvt.) Ltd.	Afroze Textile Industries
Peoples Steel Mills Ltd.	Lakhani Group Builders
Karachi Shipyard	Helix Pharma (Pvt.) Ltd.
Askari Bank Ltd.	General Tyre



**Mechanical Engineering Students  
FYP Visit Amreli Steel Dhabeji Plant**



### 3. Job Facilitations/ Recruitments

DIL encourages the prospective Employers for on-campus hiring and facilitate them to conduct Presentations, Tests and Interviews for recruitment. Many multi-national companies, some overseas employers, local business groups and small and medium Enterprises (SME) are availing such facilities on need basis.

DIL has explored new ways to minimize the gap between by academia and industry by developing LinkedIn page to facilitate the students by creating a bridge between university with various companies/ industries. This online platform will be helpful for both professional networking and career development that allows job seekers to post their CVs and employers to post jobs.

DIL also shares Graduate Directories with employers, arranging and pre-employment orientation programs and online faculty wise in-house/ online sessions that meets the need of the university students by providing, engaging in academically strong and experiential learning sessions in work readiness environment and enhancing their communication and presentation skills according to prospective career needs.



**Ayeman Hasan (Electrical Graduate)**  
**Sindh Engro Coal**



**Recruitment facilities are provided free of cost to the employers for the hiring of only NED graduates.**

Note: For more information please visit the following links;

<https://www.neduet.edu.pk/DIL>

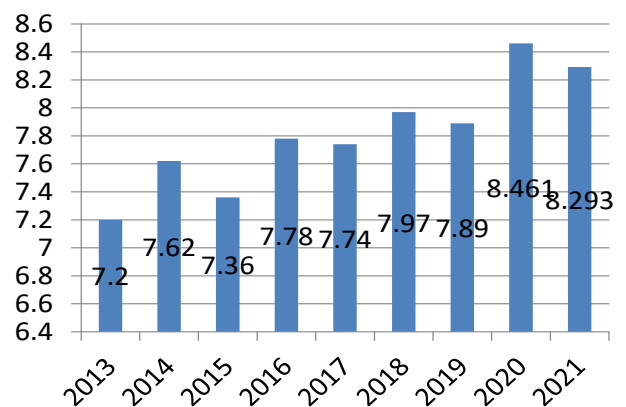
<https://www.linkedin.com/in/directorate-of-industrial-liaison-ned-uet/>

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**Customer Feedback Survey**



**Collected forms were sent to QEC for evaluation.**

**DIL's current rating is 8.2**