



**NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY
SUSTAINABILITY AND IMPACT REPORT
2023-24**

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Preface

This is the sixth Sustainability Report published by NED University of Engineering and Technology, for the year 2023-24, which outlines our university's ongoing commitment to advancing the United Nations Sustainable Development Goals (SDGs). As a leading institution, we recognize our responsibility to contribute to global efforts in addressing pressing challenges such as climate change, inequality, and environmental degradation. This report highlights our progress and initiatives in fostering a more sustainable and equitable world.

NED University has explored to enhance its impact on sustainability in many and various ways including campus infrastructure and setting, institutional policies and strategies, curriculum, and community engagement. The report outlines key achievements, summarizes performance and provides detailed evidence and data, with reference to published documentation where appropriate. The report also highlights the diverse sustainability initiatives in progress across the campus and looks ahead to those planned for 2022 onwards. This report serves as a testament to our dedication to the SDGs and our continuous journey toward a sustainable future.

The Sustainable Development Goals (SDGs) are a set of 17 interlinked global goals established by the United Nations in 2015 as part of the 2030 Agenda for Sustainable Development. They are designed to be a blueprint to achieve a better and more sustainable future for all by addressing various global challenges, including poverty, inequality, climate change, environmental degradation, peace, and justice.



- **SDG 1 No Poverty:** End poverty in all its forms everywhere.
- **SGD 2 Zero Hunger:** End hunger, achieve food security and improved nutrition, and promote sustainable agriculture.
- **SGD 3 Good Health and Well-being:** Ensure healthy lives and promote well-being for all at all ages.
- **SGD 4 Quality Education:** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
- **SGD 5 Gender Equality:** Achieve gender equality and empower all women and girls.
- **SGD 6 Clean Water and Sanitation:** Ensure availability and sustainable management of water and sanitation for all.
- **SGD 7 Affordable and Clean Energy:** Ensure access to affordable, reliable, sustainable, and modern energy for all.
- **SGD 8 Decent Work and Economic Growth:** Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.
- **SGD 9 Industry, Innovation, and Infrastructure:** Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.
- **SGD 10 Reduced Inequalities:** Reduce inequality within and among countries.
- **SGD 11 Sustainable Cities and Communities:** Make cities and human settlements inclusive, safe, resilient, and sustainable.
- **SGD 12 Responsible Consumption and Production:** Ensure sustainable consumption and production patterns.
- **SGD 13 Climate Action:** Take urgent action to combat climate change and its impacts.
- **SGD 14 Life Below Water:** Conserve and sustainably use the oceans, seas, and marine resources for sustainable development.
- **SGD 15 Life on Land:** Protect, restore, and promote sustainable use of terrestrial ecosystems, manage forests sustainably, combat desertification, halt and reverse land degradation, and halt biodiversity loss.
- **SGD 16 Peace, Justice, and Strong Institutions:** Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive institutions at all levels.
- **SGD 17 Partnerships for the Goals:** Strengthen the means of implementation and revitalize the global partnership for sustainable development.

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Chapter 1: Introduction and Overview

1.1 University Profile

The NED University of Engineering and Technology, established in March 1977, evolved from the NED Government Engineering College, originally founded in 1921. As of 1977, the NED Government Engineering College became NED University of Engineering and Technology. This institution is among Pakistan's oldest, dedicated to producing engineering graduates.

1.1.1 Vision Statement

Be a leader in enabling Pakistan's social and economic transformation.

1.1.2 Mission Statement

Acquire education and research excellence in engineering and allied disciplines to produce leadership and enabling application of knowledge and skills for the benefit of the society with integrity and wisdom.

1.1.3 Quality Policy

NED University of Engineering and Technology believes in establishing environment conducive to continual improvement its efforts for providing the highest-level quality education.

The University is making all out efforts to raise its standards through teaching excellence and quality research. These efforts are carried out with involvement of the entire university work force – to obtain utmost possible satisfaction of its customer.

Our endeavors are to make our students useful to the society in particular and to humanity in general. In dealings with industry and utilities, attempts are made to maintain standards of integrity as well as quality. For further details, visit https://www.neduet.edu.pk/faculties_and_departments



1.1.4 Campuses and Affiliations

NED University has three campuses namely:

- **Main Campus:** NED University of Engineering and Technology, University Road, Karachi.
- **LEJ Campus:** NED University LEJ Campus 81-A, Block-3, Memon Cooperative Housing Society, Karachi.
- **City Campus:** NED University City Campus Maulana Din Muhammad Wafai Road, Karachi.



NED University of Engineering and Technology has one constituent college:

- **TIEST Campus:** Thar Institute of Engineering and Technology, Police Road, Mithi, Tharparkar.



1.1.5 Academic Faculties and Departments

NED University has 30 teaching departments from five faculties and one constituent college – TIEST as listed below, offering 35 undergraduate, 55 masters and 24 Ph.D. programmes – thus a total of 114 programmes are currently being offered.

- **Faculty of Civil and Petroleum Engineering (CPL)**
 - Department of Civil Engineering
 - Department of Urban and Infrastructure Engineering
 - Department of Petroleum Engineering
 - Department of Earthquake Engineering
 - Department of Environmental Engineering
- **Faculty of Electrical and Computer Engineering (ECE)**
 - Department of Electrical Engineering
 - Department of Electronic Engineering
 - Department of Telecommunications Engineering
 - Department of Computer and Information Systems Engineering
 - Department of Bio-Medical Engineering
 - Department of Computer Science and Information Technology
 - Department of Software Engineering
- **Faculty of Mechanical and Manufacturing Engineering (MME)**
 - Department of Mechanical Engineering
 - Department of Industrial and Manufacturing Engineering
 - Department of Textile Engineering
 - Department of Automotive and Marine Engineering
- **Faculty of Chemical and Process Engineering (CPE)**
 - Department of Chemical Engineering
 - Department of Polymer and Petrochemical Engineering
 - Department of Materials Engineering
 - Department of Metallurgical Engineering
 - Department of Food Engineering
- **Faculty of Architecture and Sciences (ASC)**
 - Department of Architecture and Planning
 - Department of Economics and Management Sciences
 - Department of Physics
 - Department of Chemistry
 - Department of Mathematics
 - Department of English Linguistics and Allied Studies
 - Department of Essential Studies
- **Thar Institute of Engineering, Sciences and Technology (TIEST)**
 - Department of Civil Engineering [TIEST]
 - Department of Computer Science and Technology [TIEST]

For further details, visit https://www.neduet.edu.pk/faculties_and_departments.

1.1.6 Administrative Departments

The University has 15 administrative departments, as listed below:

- Registrar Office
- Directorate of Finance
- Examinations Department
- Directorate of Services
- Information Technology (IT) Department

- Directorate of University Advancement and Financial Assistance (UAFA)
- Student Affairs Department
- Directorate of Industrial Liaison (DIL)
- Directorate of Planning and Projects
- Quality Enhancement Cell (QEC)
- Medical Department
- Audit Department
- Office of Research, Innovation and Commercialization (ORIC)
- Procurement Cell
- Central OBE Cell (COBEC)

For further details, visit https://www.neduet.edu.pk/administrative_departments.

1.1.7 Authorities, Statutory and Other Bodies

The following are authorities of NED University, established by the Ordinance.

- Senate
- Syndicate
- Academic Council
- Board of Faculty (BoF)
- Board of Studies (BoS)
- Board of Review (BoR)
- Advanced Studies and Research Board (ASRB)
- Finance and Planning Committee (FPC)
- Affiliation Committee
- International Advisory Board
- Selection Board
- Special Selection Board for BPS 21 to BPS 22
- University Development Working Party (UDWP)

For further details, visit https://www.neduet.edu.pk/university_bodies.

1.1.8 Portfolio Reports

NED University publishes the following reports annually.

- **Annual Report**
The annual report provides a comprehensive overview of a academic, research, financial and outreach performance of NED University. The University is publishing its annual reports since 2014.
For further details, visit https://www.neduet.edu.pk/University_Portfolio_Reports.
- **Sustainability Report**
The sustainability report aims to provide a comprehensive overview of NED University's commitment to environmental stewardship, social responsibility, and economic viability. It outlines the progress, achievements, and challenges in integrating sustainable practices across all facets of the University's operations, education, and community engagement. The University is publishing its sustainability reports since 2018.
For further details, visit https://www.neduet.edu.pk/sustainability_reports
- **Strategic Report**
The strategic report provides NED University's strategic direction, goals, and plans for future growth and development. It seeks to help stakeholders understand how the organization intends to create value over the long term. The University has started publishing its strategic report from the current year of 2024.

1.2 Sustainability Initiatives

As a leading institution of higher education, NED University recognizes the critical role universities play in shaping a sustainable future. The University is committed to equipping the students with the knowledge and skills needed to address the complex environmental and social challenges facing the world. Sustainability is not just a goal; it is a guiding principle that informs our academic programs, research initiatives, and campus operations. By embedding sustainability into the institutional culture, the University strives to create a campus environment that reflects our values and serves as a living laboratory for innovation and leadership in sustainability.

1.2.1 Sustainability Leadership

The Honorable Vice Chancellor of the NED University Prof. Dr. Sarosh H. Lodi, has taken the lead in transforming the Main Campus of the University into a ‘live lab’ working towards a sustainable and ultimately first carbon neutral engineering university campus of Pakistan. He himself chairs a variety of University forums to address challenges and monitor the progress of all the activities related to sustainability.

The NED University has taken up the responsibility in leading the Higher Education Institutions of Pakistan in becoming the sustainable campus sites and host academic and research activities for the local and international industries and municipalities working towards the establishment of a sustainable future for us all. The University has established a sustainability leadership forum, to develop strategies, key performance indicators, and implementation plans for sustainability measures. This committee is also responsible for overseeing the implementation and monitoring of these initiatives. The forum comprises of the following members.

- **Dr. Sarosh Hashmat Lodi**, *Vice Chancellor*
- **Prof. Dr. Muhammad Tufail**, *Pro Vice Chancellor*
- **Prof. Dr. Saad Ahmed Qazi**, *Dean Electrical and Computer Engineering (ECE), and Sustainability Director*
- **Prof. Dr. Noman Ahmed**, *Dean Architecture and Sciences (ASC)*
- **Engr. Syed Wasiuddin**, *Director Works and Services*
- **Dr. Ali Hasan Mahmood**, *Controller Student Affairs*
- **Engr. Muhammad Saqib**, *Assistant Professor, Department of Civil Engineering, Sustainability Coordinator and Faculty Advisor NED Green Society*
- **Dr. Muhammad Ali Memon**, *Associate Professor, Department of Electrical Engineering*
- **Dr. Atif Mustafa**, *Chairman, Department of Environmental Engineering*
- **Dr. Junaid Akhlaq**, *Assistant Professor, Department of Polymer and Petrochemical Engineering*
- **Engr. Madiha Zaidi**, *Assistant Professor, Department of Urban and Infrastructure Engineering*
- **Engr. Muhammad Hassan ul Haq**, *Assistant Professor, Department of Electrical Engineering*
- **Ar. Sadia Bano**, *Assistant Professor, Department of Architecture and Planning*
- **Engr. Adeel Ahmed Khan**, *Assistant Professor, Department of Mechanical Engineering*
- **Engr. Muhammad Ali Akhtar**, *Lecturer, Department of Computer and Information Systems Engineering*

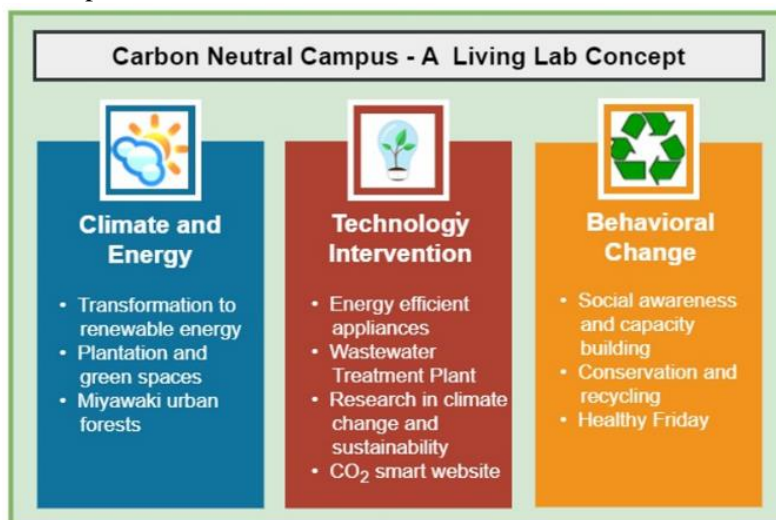
1.2.2 Carbon Neutral Built Environment initiative

On February 12, 2018, the worthy Vice Chancellor of NED University Dr. Sarosh H. Lodi has signed the Talloires Declaration to become Carbon Neutral Campus and brought Pakistan as a member of Talloires Signatory List. As an institution of higher education, concerned about the state of the world environment and the advancement of sustainable development, NED University shall strive to promote actions that will achieve a sustainable future. By signing the Talloires Declaration, a university agrees to Increase Awareness of Environmentally Sustainable Development, Create an Institutional Culture of Sustainability, Educate for Environmentally Responsible Citizenship, Foster Environmental Literacy for All, Practice Institutional Ecology, Involve all Stakeholders, Collaborate for Interdisciplinary Approaches, Enhance Capacity of Primary and Secondary Schools, Broaden Service and Outreach Nationally and Internationally, and Maintain the Movement.

More than ever, our world is facing the challenges of climate change and sustainability. The future of our existence is at stake. NED University has taken this initiative to bring together professionals in academia and research, practicing and consulting engineers/ architects, construction and energy industry professionals, public and private sector managers, builders, policy makers, assessors, certification and funding bodies and government officials concerned with climate change and sustainability projects and centre programmes from all over the world, for engagement and exchange of thoughts and experiences regarding the concepts of climate change, sustainability and carbon neutrality.

The term carbon neutrality generally refers to achieving a net zero carbon emission. The task of achieving carbon neutrality requires taking two parallel lines of actions.

- i. **Reducing Carbon Emission:** In order to reduce carbon emission on campus the measures that need to be taken include creating general awareness, conducting carbon emission studies, improving energy efficiency to reduce carbon emission related to energy generation, making the campus green and using renewable energy sources.
- ii. **Balancing Carbon Emission:** In order to balance carbon emission on campus the measures that need to be taken include tree plantation, optimization of water use, optimization of land use and turning the campus into forested campus.



Under a Carbon Neutral Built Environment initiative, launched in 2018, a steering committee was formed under the leadership of Vice-Chancellor NED University to drive the initiative's multi-pronged agenda. The idea was to create a set of diverse experiences related to climate change best practices within and beyond the University campus, with a goal to gradually transform the University as a "LIVE LAB" of carbon neutrality – based on the concept of "SEEING IS BELIEVING".

1.2.3 Institutional Policies on Sustainability

Institutional policies on sustainability are guidelines and rules set by an organization to promote environmental responsibility and sustainable practices. These policies are designed to reduce the ecological footprint of the institution, enhance social responsibility, and ensure long-term viability. NED University's commitment to sustainability is reflected in the following policies, which align with the University's vision of creating a sustainable and responsible institution:

- NED University Research Ethics Policy
- NED Plagiarism Policy
- HEC Policy on Protection against Sexual Harassment in Higher Education Institutions
- Access to all Policies
- Clean Energy and Climate Change Policy
- Clean Energy and Climate Change Policy
- Canteen Waste Policy
- Academic Freedom Policy
- Environmental Policy
- Equality Policy
- Grievances Committee
- Women Participation and Support Policy
- No Smoking Policy
- Policy for Students with Disabilities
- NED University Sustainable Procurement Policy
- NED University of Engineering and Technology Anti-Bribery and Anti - Corruption Policy
- NED University Sustainable Investment Policy
- Conflict of Interest Policy

For further details, visit https://www.neduet.edu.pk/institutional_policies.

1.3 University Rankings

1.3.1 THE World University Ranking

THE World University Rankings	1500+
Asia University Rankings	601+
Engineering and Technology Rankings	1001+

1.3.2 Times World Impact Ranking

Times World Impact Ranking 2023	601-800
Quality Education	Top 400
Industry Innovation and Infrastructure	Top 300
Responsible Consumption and Production	Top 600
Climate Action	Top 600

1.3.3 QS Asian University Ranking

QS Asian Rankings 2023	Top 500
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1.3.4 UI Green Metric World Ranking

UI Green Metric World Ranking	535
Transportation	326
Setting and Infrastructure	488
Waste	569
Education and Research	565
Water	603
Energy and Climate Change	657

1.3.5 Round University Rankings (RUR)

World University Rankings	994
Research Rankings	847
International Diversity	933
Financial Sustainability	833
Academic Ranking	990






1.3.6 Research Innovation and Commercialization 2023

Overall ranking in Research, Innovation and Commercialization	3rd
Ranking in Research Excellence	1 st
Ranking in HR and Operations	1 st
Ranking in Sustainability and Capacity Building	1 st

1.4 Report Organization and SDG Mappings

NED University has made significant strides in advancing sustainability across our campus. Our commitment is reflected in our strategic plans, policies, and initiatives that prioritize environmental responsibility, social equity, and economic resilience. This report provides detailed insights into these areas, showcasing our accomplishments, ongoing efforts, and future goals. Through collaboration and innovation, we aim to lead by example and contribute to a more sustainable world.

Each chapter has been aligned to the United Nations' Sustainable Development Goals (SDGs) to identify how our efforts align with the objectives of the SDGs. Here is a breakdown for each chapter.

Chapter	Aligned SDGs
Chapter 2 Carbon Reduction Targets and Initiatives	SDG 13: Climate Action SDG 7: Affordable and Clean Energy SDG 17: Partnerships for the Goals SDG 3: Good Health and Well-being    
Chapter 3 Green Buildings and Infrastructure	SDG 11: Sustainable Cities and Communities SDG 7: Affordable and Clean Energy SDG 12: Responsible Consumption and Production   
Chapter 4 Water Conservation and Management	SDG 6: Clean Water and Sanitation 
Chapter 5 Waste Management and Recycling	SDG 12: Responsible Consumption and Production SDG 6: Clean Water and Sanitation  
Chapter 6 Biodiversity and Habitat Conservation	SDG 15: Life on Land 
Chapter 7 Sustainable Transportation	SDG 11: Sustainable Cities and Communities 
Chapter 8 Health and Wellbeing Facilities	SDG 3: Good Health and Well-being SDG 4: Quality Education SDG 2: Zero Hunger   
Chapter 9 Diversity, Equity, and Inclusion	SDG 5: Gender Equality SDG 10: Reduced Inequalities SDG 11: Sustainable Cities and Communities SDG 1: No Poverty    
Chapter 10 Education and Research	SDG 4: Quality Education SDG 9: Industry, Innovation and Infrastructure  
Chapter 11 Community Engagement	SDG 11: Sustainable Cities and Communities SDG 4: Quality Education SDG 17: Partnerships for the Goals SDG 1: No Poverty SDG 2: Zero Hunger     
Chapter 12 Industrial Linkages and Outreach	SDG 9: Industry, Innovation and Infrastructure SDG 8: Decent Work and Economic Growth  
Chapter 13 Governance and Institutional Integrity	SDG 16: Peace, Justice, and Strong Institutions 

Chapter 2: Carbon Reduction Targets and Initiatives

SDG Targets



Reducing carbon emissions directly contributes to mitigating climate change.



Increasing efficiency and clean energy use.



Promoting collaboration among leaders to reduce emissions.



Promoting health through environmentally friendly practices.

2.1 University Carbon Mitigation Targets

The Campus Carbon Calculator (CCC) was originally developed by the former non-profit Clean Air - Cool Planet and the Sustainability Institute at University of New Hampshire (UNH), USA. NED University of Engineering and University uses this utility to gauge total scope 1, scope 2 and scope 3 carbon footprints annually. The carbon mitigation targets for the University are as follows. As can be seen from the table, for the year 2030 the forecasted net carbon emissions for Scope 1 and 2 are zero. The University is continuously striving to achieve this goal.

Sources	Carbons Emissions MT eCO ₂				
	2017	2021	2024	2027	2030
	Measures		Forecasted		
Scope 1					
Diesel for power generation (Gallons)	(1500) 13	(900) 8	(600) 5	(200) 2	(0) 0
Natural gas (MMBtu)	(22,000) 1100	(17,500) 875	(13,000) 650	(9000) 450	(6500) 325
Diesel for University buses (Gallons)	(21,000) 300	(17,500) 250	(12,000) 171	(8000) 114	(5000) 71
Refrigerants (lbs)	(250) 200	(250) 200	(250) 200	(250) 200	(250) 200
Organic fertilizers (lbs)	(6250) 1	(6250) 1	(6250) 1	(6250) 1	(6250) 1
Scope 2					
Purchased electricity	(3665) 1500	(2800) 1149	(2500) 1026	(2200) 903	(1800) 657
Scope 3					
Student and staff commute (km)	(14.8) 18,100	(12) 14,676	(10) 12,230	(8) 9784	(5) 6115
Solid waste (tons)	(10) 13	(10.5) 13	(11) 14	(12) 14	(12.5) 15
Paper (tons)	(100) 270	(65) 176	(60) 162	(55) 149	(50) 135
Total carbon emissions (MT eCO₂)					
Scope 1 and 2	3114	2483	2054	1670	1255
Scope 1, 2 and 3	21,497	17,347	14,459	11,617	7520
Mitigation measures					
Plantation (number)	(6500)	(8700)	(1850)	(26,00)	(57000)
(in and outside campus)	~143	~191	~407	~572	~1255
Net carbon emissions (MT eCO₂)					
Scope 1 and 2	2971	2292	1647	1098	0
Scope 1, 2 and 3	21,497	17,347	14,459	11,617	7520

2.2 CO₂ Smart Executive Club

The University has started a project to record and report carbon footprint of the region. The project aims towards collaborative efforts to reduce this carbon footprint. The related data is available at <https://co2smart.neduet.edu.pk/>. The website continuously reports current status of carbon reduction contribution in kg.



2.3 Healthy Friday

The University has taken the initiative to declare every Friday as Healthy Friday. It is a vehicle free day, when no vehicle / motorbikes are allowed in the Campus during the day. The employees and the students are encourages to use bicycles. Prominent figures have joined NED University during healthy Fridays.



Chapter 3: Green Buildings and Infrastructure

SDG Targets



Developing sustainable infrastructure. Promoting eco-friendly building practices.



Promoting renewable energy. Monitoring and optimizing energy use.



Reducing energy consumption.

3.1 Campus Area

Campus Site	Area (sq m)	Buildings Area (sq m)	Floor Area (sq m)
Main Campus	480,003.91	114908	
LEJ Campus	3,688.37		
City Campus	9,105.30		
Total	492,798		



3.2 Solarization of Buildings (Renewable Energy Generation)

So far 421 KW of solar power plants have been installed generating 577,780 units annually, making about 19% of scope 2 CO₂ footprint. The details are as follows.

Locations	Solar (KW)	Units Generated	Amount saved (PKR)	CO2 mitigated (tons equivalent)
Civil Engineering Department	10	13,724	870,102	11
Deans Offices	5	6,862	435,051	5
Abul Kalam Library	100	137,240	8,701,016	109
Electrical Engineering Department	36	49,406	3,132,366	39
Mechanical Engineering Department	70	96,068	6,090,711	77
Textile Engineering Department	100	137,240	8,701,016	109
Biomedical Engineering Department	100	137,240	8,701,016	109
Total	421	577,780	36,631,277	461
Percentage of Electricity load shifted on solar				19%



3.3 Energy Efficient Appliances

Energy-efficient appliances are gradually replacing conventional ones. All computer monitors at NEDUET campuses are now energy-efficient LCDs. The lighting is being updated to LED bulbs, and ceiling fans are being modified to consume less electricity by converting them to DC power sources. Smart energy-efficient fans, which use 50% less energy, have also been introduced.

Additional related projects include:

- Li-ion battery fabrication
- Design of charging stations
- High-efficiency motor design
- Vehicle controllers
- Intelligent battery management systems



3.4 Electricity Consumption Details

Electricity consumption detail within the University for the year 2023-24 are as follow.

Location	Units Consumed (kWh) (A1-R tariff)												
	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Total
Staff Colony S/S	110,989	75,515	94,619	91,604	63,626	47,601	40,211	47,742	59,810	96,679	99,344	114,859	942,599
Mech. and Elect. Dept.S/S	44,621	18,218	40,108	33,863	30,184	21,498	18,838	18,977	25,570	26,350	31,383	43,859	353,470
Civil Engg. Dept. S/S	83,956	42,669	75,518	77,652	62,542	50,038	37,192	46,377	56,265	62,736	71,079	102,995	769,018
Student Hostel S/S	77,926	43,853	74,159	55,366	54,796	38,001	36,097	38,346	51,453	53,267	62,830	92,736	678,830
New Mech. Lab.	28,983	9,729	27,315	29,217	17,381	8,577	4,699	5,626	14,858	23,360	18,847	36,690	225,283
New Elect. Lab.	24,182	5,496	23,946	19,632	15,235	10,356	7,006	7,749	11,614	12,451	13,037	21,803	172,505
NED Pump	5,242	5,323	5,040	5,233	3,439	5,368	4,843	5,507	4,985	5,801	5,205	5,810	61,796
City Campus	11,629	4,427	8,487	6,691	9,021	7,230	5,287	5,227	6,775	7,011	7,843	10,850	90,477
LEJ Campus	16,825	6,952	7,000	10,076	8,123	6,246	4,181	5,056	5,449	8,916	5,803	12,328	96,955
NED School	1,007	339	2,118	1,356	1,513	910	538	753	1,261	1,498	734	-	12,026
Admission Centre	26,448	17,817	24,843	24,631	17,261	10,579	7,498	10,150	17,372	21,488	22,623	32,483	233,193
CS and IT	8,688	6,502	8,504	7,458	6,913	5,050	5,327	5,538	5,357	8,007	8,947	9,400	85,690
Petrochemical	21,663	9,134	24,439	20,934	16,590	13,142	10,550	12,494	14,535	19,036	18,897	29,708	211,122
Automotive	13,815	3,693	17,601	10,409	12,482	11,504	9,083	7,491	10,314	15,722	10,788	16,275	139,176
Staff Colony S/S	110,989	75,515	94,619	91,604	63,626	47,601	40,211	47,742	59,810	96,679	99,344	114,859	942,599
Mech. and Elect. Dept.S/S	44,621	18,218	40,108	33,863	30,184	21,498	18,838	18,977	25,570	26,350	31,383	43,859	353,470
Civil Engg. Dept. S/S	83,956	39,740	75,518	72,323	62,542	46,604	37,192	43,195	56,265	58,431	71,079	95,926	742,771
Total Units	715,539	383,140	643,942	591,909	475,458	351,803	287,590	326,948	427,262	543,781	579,168	784,439	6,110,979
Solar Units	46,510	24,904	41,856	41,433	38,036	31,662	28,758	37,598	53,407.79	67,972	75,291	101,977	589,410
Renewable Proportion	6.5%	6.5%	6.5%	7%	8%	9%	10%	11.5%	12.5%	12.5%	13%	13%	10%

3.5 Green Construction and Renovation

Elements of green building implementation as reflected in all construction and renovation policy. Majority of the buildings at the NED University of Engineering and Technology are designed to take maximum advantage of sunlight and coastal winds. The classrooms are especially designed for efficient day lighting and with provision of large windows for cross-ventilation.



Chapter 4: Water Conservation and Management

SDG Targets



Ensuring access to clean water.

Promoting water reuse and efficiency.

Monitoring and reducing water use.

4.1 Water Filtering Units

The two water filtering Units with the capacity of 10,000 gallons per day and 5,000 gallons per day respectively are continuously providing safe and filtered water to the students, employees and the residents of University Staff Colony.



4.2 Waste Water Recycling

As part of a living lab, NED has established a wastewater treatment facility on campus having capacity of 29,000 m³ annually; and gray water treatment facilities at Abul Kalam Library and NED mosque having 2,420 m³ annual processing capacity. Department of Civil Engineering is minimizing water use by installing pipe system for recycle gray water for watering the different gardens in the department.



4.3 Treated Water Generation and Water Consumption Details

Treated Water generation and consumption details within the University for the year 2023-24 are as follows.

Item	Quantity
Total volume of treated water produced	39,625,807
Total volume of treated water consumed	37,817,000
Number of water recycling plants	2
Number of water efficient appliances / plants	---

4.4 Fresh Water Consumption Details

Fresh water consumption details within the University for the year 2023-24 are as follows.

S. No.	Month	Water Connection Size (Diameter) in Inches	Water Quantity in Gallons	Sub-total Water Quantity in Gallons
1	July	3	2,529,648	5,404,608
		8	2,874,960	
2	August	3	2,529,648	5,022,468
		8	2,492,820	
3	September	3	2,529,648	4,584,888
		8	2,055,240	
4	October	3	2,529,648	4,903,668
		8	2,374,020	
5	November	3	2,529,648	5,444,208
		8	2,914,560	
6	December	3	2,529,648	5,497,668
		8	2,968,020	
7	January	3	2,529,648	5,654,088
		8	3,124,440	
8	February	3	2,529,648	5,436,288
		8	2,906,640	
9	March	3	2,529,648	5,281,848
		8	2,752,200	
10	April	3	2,529,648	4,672,008
		8	2,142,360	
11	May	3	2,529,648	5,588,748
		8	3,059,100	
12	June	3	2,529,648	6,032,268
		8	3,502,620	
Total Water Quantity in Gallons				63,522,756

Chapter 5: Waste Management and Recycling

SDG Targets



Minimizing resource use. Efficient waste management.



Protecting water resources through proper waste treatment.

5.1 Sewage Disposal and Inorganic Waste Treatment

Major portion of the wastewater generated at the NED University main campus is aerobically treated at the wastewater treatment facility onsite and is then used for watering plants and vegetation.

The inorganic waste generated at the University is sorted and sorted in the junkyard and is periodically disposed-off via recycling and/or down-cycling.

Organic, inorganic and toxic waste treatment details within the University for the year 2023-24 are as follows.

Item	Quantity
Total volume organic waste produced	198 tonnes
Total volume organic waste treated	155 tonnes
Total volume inorganic waste produced	63 tonnes
Total volume inorganic waste treated	53 tonnes
Total volume toxic waste produced	3.5 kg
Total volume toxic waste treated	3.5 kg
Total sewage disposed	850,000+ gallons



5.2 Reducing the Use of Paper in Campus

The University dedicatedly follows the guidelines on the judicious use of paper both by the staff members and the students.

All the customer feedback systems and other data collection processes are completely online, reducing the use of paper in all campuses.

The Green Society of the NEDUET actively promotes the minimal use of paper and plastic products at the campus and in daily lives among the students and the staff members of the University.

Chapter 6: Biodiversity and Habitat Conservation

SDG Targets



Conserving and restoring ecosystems.
Enhancing biodiversity through tree planting.
Urban greening initiatives.

6.1 On-Campus Vegetation area

Statistics for forest and planted vegetation area in main campus are as follows.

Item	Area (sq m)
Natural forest vegetation area	12,364
Planted forest vegetation area	28 x 13 = 364
Total planted vegetation area	218497
Total vegetation area	231225
Total main campus area: 492798	492798
Total vegetation area percentage	$(218497 / 492798) \times 100 = 44.34\%$

6.2 Plantation Drives

NED University has 9200+ Trees at Main Campus during the year 2022-23.



6.3 Urban Forest Plantations

First Urban Forest in the University was inaugurated on July 12, 2019. Since then 17 Urban Forests (13 on campus, 4 off-campus) have been planted in different areas of Karachi, providing 1,620 trees. About 12.5 tons of CO₂ emissions have been sequestered in the last two years. As the trees grow, the impact increases. One fully grown Urban Forest of 300 sq. ft. saves about two tons of CO₂ annually. The details of these forests are as under.



Urban Forest Site	Sponsor	Area	No. of Plants	Inauguration Date
Department. of Materials Engineering, NEDUET	Engr. Sohail Bashir Chairman IEP, Karachi Centre	~ 28 m ²	90	12-07-2019
Gymnasium NEDUET (Right Side)	Pak Suzuki Motors	~ 28 m ²	90	15-11-2019
Gymnasium NEDUET (Left Side)	Bank Al Habib Limited	~ 28 m ²	90	19-02-2020
Department of Textile Engineering, NEDUET	Bank Al Habib Limited	~ 56 m ²	180	25-02-2020
NEDUET Visitors Gate	Col.(R) Zafar Uddin Ahmed CEO Sigma Motors	~ 28 m ²	90	01-03-2020
S.M.S. Agha Khan School	NEDUET Technical Sponsor	~ 48 m ²	154	02-11-2020
Department. of Materials Engineering II, NEDUET	Col.(R) Zafar Uddin Ahmed CEO Sigma Motors	~ 28 m ²	90	25-03-2021
Department. of Materials Engineering III, NEDUET	Col.(R) Zafar Uddin Ahmed CEO Sigma Motors	~ 28 m ²	90	25-03-2021
KMC Abdullah Haroon Road	F M Associates	~ 28 m ²	90	13-04-2021
KMC Shaheed Benazir Bhutto Park	Chotani Group	~ 28 m ²	90	06-11-2021
NED Masjid, NEDUET	HYE Family A NEDAN-NA Project	~ 28 m ²	90	01-04-2022
Abul Kalam Library, NEDUET	NEDA-DC A NEDAN-NA Project	~ 28 m ²	90	08-04-2022
Mech Corner, NEDUET	Nayyar Iqbal Ahmad A NEDAN-NA Project	~ 28 m ²	90	07-04-2022
City Campus, NEDUET	NED Alumni Association – North America	~ 28 m ²	90	08-06-2022
Mech Corner II, NEDUET	NED Alumni Association of Michigan	~ 28 m ²	90	23-11-2022
Cowasjee School, NEDUET	NED Alumni Association – North America	~ 28 m ²	90	23-11-2022
MAJU, Karachi	MAJU	~ 28 m ²	90	30-12-2021

For more information visit <https://co2smart.neduet.edu.pk/e-club/index-urban-forest.html>

Chapter 7: Sustainable Transportation

SDG Targets



Promoting efficient public transport.
Analyzing transport impact.

7.1 Modes of Transport for Mass Transits

NED University has taken substantial measures in implementing sustainable transportation practices. Here's a breakdown of how these measures contribute to sustainability:

- **Shuttles on Subsidized Rates:** By offering shuttles at subsidized rates, the university encourages the use of public transport over personal vehicles. This reduces the number of vehicles on the road, leading to decreased traffic congestion and lower carbon emissions. It makes transportation more affordable for students and staff, promoting inclusivity and accessibility.
- **Small Vehicles for Internal Transport:** Utilizing small vehicles for internal transport helps minimize the carbon footprint within the campus. It offers a convenient way to navigate the campus without relying on personal cars. It reduces emissions and noise pollution on campus, contributing to a cleaner and quieter environment.
- **Restricted Vehicle Access:** Limiting vehicle access to only authorized faculty and staff helps control the number of vehicles on campus. This can lead to reduced emissions and less traffic congestion.
- **Carbon-Free Fridays:** Designating a day when no carbon-emitting vehicles are allowed on campus emphasizes the university's commitment to reducing its carbon footprint and promotes awareness about sustainability practices. This initiative can lead to increased use of bicycles, walking, or public transport on Fridays, encouraging healthier and more sustainable commuting habits.

These strategies are effective ways to promote sustainable transportation and reduce the university's overall environmental impact.



7.2 Statistics on Transportation Usage

Statistics on transportation usage in main campus for the year 2023-24 are as follows.

Item	Quantity
Number of cars actively used and managed by the university	200
Number of cars entering the university daily	≈ 5000
Number of motorcycles entering the university daily	≈ 1000
Number of shuttles operating in the university	20
Average number of students of each shuttle	55
Average number of passengers (students+staff) of each shuttle	72
Total trips of each shuttle services each day	2
Zero Emission Vehicles (ZEV) availability on campus	Yes
Average number of Zero Emission Vehicles on campus per day	2

Chapter 8: Health and Wellbeing Facilities

SDG Targets



Access to health services.
Promoting physical activity.



Supporting holistic education.



Promoting access to affordable meals.

8.1 Medical Facilities

Medical Department is located next to Humanities Department of this University and is administered by Principal Medical Officer, accompanied by two Senior Medical Officers and One Lady Medical Officer, all are posted at main Campus. One male and two female nurses are also present in Main Campus. Medical Sub Centre is located at each LEJ, City Campus and Thar Campus, dispenser is available at LEJ while Female Nurse at City Campus.

There are numerous diagnostic and therapeutic modalities available free of charge for the students and staff at the Main Campus. Emergency/routine Outpatient Department Service (OPD), Pathological, Radiological and Electrocardiographic facilities are also available. Similarly therapeutic support in the form of Airway, Breathing and Circulatory (ABC) assistance are available. Besides that Outpatient facilities are also available at peripheral Medical Sub-Centres, i.e. City and LEJ Campus. However, X-Ray, Pathological Laboratory and Ambulance facility are restricted to Main Campus only.

NED University's Medical Department is committed to ensuring the wellbeing of the University's workforce and students. The following is the list of major facilities provided by the medical department to staff and students.

- Emergency treatment facilities
- Out patient treatment facilities (OPD)
- Diagnostic pathological tests
- Diagnostic radiological tests
- Indoor treatment facilities direct / reimbursement panel system
- Counselling for cognitive assessment, psychological wellbeing, and stress management on a case to case basis
- 24/7 ambulance services
- ECG facility
- Nebulization
- Observation rooms services
- During covid epidemic, the Medical Department provided COVID-19 vaccination services to students/employees and their dependents, with a total of 5,884 individuals vaccinated

The statistics of services provided by the department are as follows.

Treatment	Number of Patients
Students treated in both emergency and out-patient at main campus and the peripheral medical sub-centres at LEJ and City campuses.	806
Employees and their dependents treated in both emergency and out-patient at main campus and the peripheral medical sub-centres at LEJ and City campuses.	3040
Employees and their dependents who received inpatient treatment at both direct panel/enlisted reimbursement hospitals	822 + 300 = 1122
COVID-19 vaccines	nil
Any other vaccines	nil



The Medical Department also organizes health awareness sessions from time to time. The list of sessions conducted in the year 2023-24 is as follows.

Session/Event Title	Date	Venue	Targeted Sustainable Development Goal
Awareness Session on Breast Cancer	31-10-2023	Ashraf Habibullah AV Hall Civil Engineering Department	<ul style="list-style-type: none"> ▪ Good Health and Well-Being ▪ Quality Education
Awareness Session on Oral health/dental hygiene	28-12-2023	Seminar Hall CIS Department.	<ul style="list-style-type: none"> ▪ Good Health and Well-Being ▪ Quality Education
Awareness Session on Family Planning and Benefits.	03-06-2024	AV Hall Mechanical Engineering Department	<ul style="list-style-type: none"> ▪ Good Health and Well-Being ▪ Quality Education ▪ Decent Work and Economic Growth

Further details are available at https://www.neduet.edu.pk/medical_department.

8.2 Sports Facilities

Sports Section was established at NED University in 1978 that is functioning under the control of Students Affairs Department. The facilities provided by this section are as follows.

- Boy's gymnasium
- Girl's gymnasium
- Squash complex
- Two outdoor basketball courts
- Tennis court
- Table tennis court
- Volleyball court
- Badminton court
- Cricket ground with turf wicket
- Football ground with tartan track
- Fitness centre



The Sports Section also organizes NED Interdepartmental Games and Inter Faculty Games every year for the Student of NED University, while, NED University teams participate in Intervarsity Championships that are scheduled under auspices of Higher Education Commission, Islamabad i.e. (Badminton, Basketball, Cricket, Table Tennis, Football, Volleyball, Squash etc.).

The following sports events were organized by the Sports Section of the Office of Controller of Student Affairs during the year 2023-24:

The following sports events were organized by the Sports Section of the Office of Controller of Student Affairs during the year 2023-24:

Dates	Sports Event	Venue
10-08-2023 to 14-08-2023	Independence Cricket (Boys) tournament	Iqra University, Karachi.
03-08-2023 to 15-08-2023	Prime Minister Talent Hunt Volleyball (Men and Women) National League Programme	National Sports Complex Lahore
03-09-2023 to 06-09-2023	Prime Minister Talent Hunt Badminton (Boys and Girls) trials organized IBA Sukkur and Iqra University, Karachi with the collaboration the NED University	NED Boys Gymnasium
10-09-2023 to 13-09-2023	Prime Minister Talent Hunt Squash (Boys and Girls) organized by Liaquat University Medical and Health Sciences (LUMS) with the collaboration of NED University	NED Sports Complex
20-09-2023 to 22-09-2023	Intervarsity Volleyball (Boys) Zonal Championship 2023, organized by Sir syed Engineering University with the collaboration of NED University	NED Boys Gymnasium
08-12-2023 to 09-12-2023	All Pakistan Intervarsity Shooting (Women) Championship 2023	Pakistan Navy Shooting Range, PNS Bahadur, Karsaz, Karachi
11-12-2023 to 16-12-2023	Training Camp of National Shooting Championship 2023	Pakistan Navy Shooting Range, PNS Bahadur, Karsaz, Karachi
12-12-2023 to 13-12-2023	Intervarsity Football (Men) Zonal Championship 2023	NEDUET Football Ground.
17-12-2023 to 25-12-2023	HEC National Shooting (Women) 2023	Pakistan Navy Shooting Range, PNS Bahadur, Karsaz, Karachi
19-12-2023 to 21-12-2023	Sports with the collaboration of NSA Students Society. <ul style="list-style-type: none"> ▪ Cricket (Boys-Girls). ▪ Table Tennis (Boys-Girls). ▪ Badminton (Boys-Girls). ▪ Basketball (Boys). ▪ Volleyball (Boys). ▪ Football (Boys-Girls) ▪ Tug war (Boys-Girls) 	<ul style="list-style-type: none"> ▪ NED Boys Gym ▪ NED Football Ground ▪ Basketball outdoor court ▪ NED Cricket Ground
26-12-2023 to 28-12-2023	All Pakistan Intervarsity Boxing (Women) 2023	NED Boys Gymnasium

01-01-2024 to 05-01-2024	Sports Gala with collaboration of Urban Engineering Students Society. <ul style="list-style-type: none"> ▪ Cricket (Boys-Girls). ▪ Table Tennis (Boys-Girls). ▪ Badminton (Boys-Girls). ▪ Basketball (Boys). ▪ Volleyball (Boys). ▪ Football (Boys-Girls) ▪ Tug war (Boys-Girls) 	<ul style="list-style-type: none"> ▪ NED Boys Gym ▪ NED Football Ground ▪ Basketball outdoor court ▪ NED Cricket Ground
25-01-2024 to 29-01-2024	National Karate (Men and Women) Championship 2024 and Refresher Course 2024	NED Boys Gymnasium
25-02-2024	18 th Sindh Games Volleyball (Women) Championship 2024 with collaboration of Sindh Volleyball Association	NED Boys Gymnasium
06-03-2024 to 08-03-2024	Sports Week with collaboration of SPE NED Students Society. (Department of Petroleum Engineering). <ul style="list-style-type: none"> ▪ Cricket (Boys) ▪ Badminton (Boys and Girls) 	NED Basketball outdoor court and NED Boys Gymnasium
30-04-2024	In-door games with collaboration of TNF NED Society, Department of Metallurgical Engineering	NED Boys Gymnasium
24-04-2024 to 26-04-2024	Sports Gala with collaboration SME NED Society. (Department of industrial and Manufacturing Engineering). <ul style="list-style-type: none"> ▪ Cricket-Boys ▪ Futsal-Boys ▪ Badminton-Boys and Girls ▪ Athletics-Boys and Girls ▪ Tug of War-Boys and Girls 	<ul style="list-style-type: none"> ▪ Tennis court ▪ Basketball out-doors court ▪ Boys Gym ▪ Athletic Track ▪ Cricket ground
29-04-2024	Inter Classes Volleyball (Boys) tournament with the collaboration of Electronics Engineering department.	NED Boys Gym
01-05-2024 to 06-05-2024	Night Cricket tournament with the collaboration of NED Hostellers Students	NED Basketball outdoor court

In addition to hosting and organizing a huge number of tournaments, NED teams also continuously participated in sports events across the country. Some of the events are as follows:

- NED Volleyball (men) team participated in Intervarsity Volleyball (Men) Zonal-M Championship, held at NED Boys Gymnasium. The event was held from 20th to 22nd September 2023, organized by Sir Syed University of Engineering and Technology. Karachi.
- NED Athletics (Women) team participated in All Pakistan Inter-varsity Athletic (Women) Championship 2023, The event was held from 21st to 24th November 2023 at University of Punjab Lahore. Ms. Eisha Iffan a student's of Textile Sciences won the medals in following events.
 - 100 Meters Race-Silver Medal
 - 200 Meters Race-Silver Medal
- NED Basketball (Men) team participated in Inter varsity Basketball (Zone-M) Championship 2023, held at PF Kiet, Karachi. The event was held on 28th and 29th November 2023.
- NED Athletic (Women) participated in 5th National Youth and Junior Athletics Championship 2023, held at Artillery Centre Attack. The event was held from 5th to 8th December 2023. Ms. Eisha Iffan students of Textile Sciences won the medals in following events.
 - 200 Meter Race-1st Position
 - 400 Meter Race-1st Position

- NED Athletic (Women) participated in 51st National Athletics (men and women) Championship 2023, held at Artillery Centre Attack. The event was held from 5th to 8th December 2023. Ms. Eisha Iffan Students of Textile Sciences won the medals in following events.
 - 100 Meter Relay-Silver Medal
 - 400 Meter Relay-Silver Medal
 - 200 Meter Relay-Bronze Medal
- NED team also participated in the 7th Chief of Naval Staff (CNS) Open HEC Shooting (Women) Championship-2023, held at PNS Bahadur Pakistan Navy Karsaz. This event was held from 8th to 10th December 2023.
- NED Cricket (Boys) team participated in Master Oil University Cricket Champions League Karachi. Held at Al Mansooria Cricket ground Block, 16-F.Brea Karachi. The event was held from 15th to 23rd January 2024.
- NED Athletic (Women) participated in 2nd Aitcheson Fastest Men and Women Championships 2024, held at Lahore.
- The event was held on 24-02-2024. . Ms. Eisha Iffan Students of Textile Sciences participated and got 6th Position in the event.

8.3 Extra and Co-Curricular Activities

8.3.1 Events

The Office of the Controller of Student Affairs in collaboration with student and professional societies organizes several extra and co-curricular activities throughout the year. Following is the list of few of such activities from year 2022-23:

1. The **“Blood Donation Camp”** was held on 5th and 6th July 2023 at Ground Floor of Old Administration Building and near DMS Canteen, NED University Main Campus. The camp was organized by Fatimid Foundation in collaboration with Medical Department and Department Students Affairs’.
2. The event **“Project Exhibition and Robotic Competition (MPERC)-II”** was held on 5th and 6th July 2023 at Civil Video Conference Hall, Digital Liberty, Library Conference Hall and Football Ground. The event was organized by Society for the Promotion of Science, Engineering and Technology (SENTEC) Society of Department of Students Affairs.
3. The **“Protest against Sweden Incident”** was held on 7th July 2023 at In front of Jamia Masjid Bait ul Mamoor NED University. The protest was organized by Department of Students Affairs.
4. The programme **“The Virtuoso Quest”** was organized by 11th and 12th July 2023 at Audio Video Hall of Mechanical Department. The programme was organized by Members of the Society of Artistic and Intellectual Creativity (MOSAIC) Society of Department of Students Affairs.
5. The programme **“Sehr e Adab”** was held on 13th July 2023 at Syed Mehmood Alam Auditorium and in the Class Room of Humanities Department. The programme was organized by Literary and Publications Society (LPS) of Department of Students Affairs.
6. The event **“Beat of the Street 2.0 National Song Competition”** was held on 18th July 2023 at Syed Mehmood Alam Auditorium. The programme was organized by NED Green Society of Department of Students Affairs.
7. A Session with **Mr. Khusro Azmat, Director NED Scholars, Sr. Software Architect at General Motors** was held on 17th August 2023 at Ashraf Habib Ullah Audio Video Hall of Civil Engineering Department. The session was organized by NED Scholars in collaboration with Department of Students Affairs.
8. The event **Youth of Pakistan - A Bright Future for Peace and Progress** with *Mohammad Abdullah Hamid Gul* was held on 29th August 2023 at Ashraf Habib Ullah Audio Video Hall of Civil Engineering Department. The event was organized by Department of Students Affairs.

9. A Session with **Dr. Nasir Iqbal** *NED Scholars A Talk about way of Harnessing SAP's and SCM Capabilities* was held on 4th September 2023 at AV Hall of Mechanical Engineering Department. The session was organized by NED Scholars in collaboration with Department of Students Affairs.
10. An awareness raising campaign on **World Ozone Day 2023** with the theme of *Montreal Protocol and Fixing the Ozone Layer and Reducing Climate Change* was held on 18th September 2023 at Ashraf Habibullah AV Hall, Civil Engineering Department. The programme was organized by Youth Empowerment Club (YEC) of HHRD in collaboration with Department of Students Affairs.
11. The **NED Plantation Drive 2023** was held on 18th September 2023 at DSA Garden. The programme was organized by Youth Empowerment Club (YEC) of HHRD in collaboration with Department of Students Affairs.
12. The programme **Orientation and Carnival 2023-24** was held on 7th October 2023 at Syed Mehmood Alam Auditorium and Fountain Area. The programme was organized by Societies of Department of Students Affairs.
13. An interactive session on **Chevening Fully Funded One Year Master Scholarship** at United Kingdom was held on 12th October 2023 at Ashraf Habibullah AV Hall, Civil Engineering Department. The programme was organized by Chevening University in collaboration with Department of Students Affairs.
14. The event **Rise n Thrive - A Motivational Lecture by Mr. Tuaha Ibn Jalil** was held on 16th October 2023 at Syed Mehmood Alam Auditorium. The programme is organized by The NEDians Form Society (TNF) of Department of Students Affairs.
15. The programme **Executive HHRD Volunteer Symposium** was held on 18th October 2023 at Petroleum AV Hall. The programme was organized by Youth Empowerment Club (YEC) of HHRD in collaboration with Department of Students Affairs.
16. The programme **Teacher Tribute** was held on 27th October 2023 at NIC Auditorium. The programme was organized by Youth Empowerment Club (YEC) of HHRD in collaboration with Department of Students Affairs.
17. The programme **Mentoring Session** was held on 30th October 2023 at NIC Auditorium. The programme was organized by Youth Empowerment Club (YEC) of HHRD in collaboration with Department of Students Affairs.
18. The programme **Youth Awareness Breast Cancer** was held on 31st October 2023 at Ashraf Habibullah AV Hall, Civil Engineering Department. The was organized by Higher Education Commission, Pink Ribbon, NED Girls Affairs Society and Medical Department in collaborations with Department of Students Affairs.
19. The event **Hygienic Drive** for the School Students was held on 2nd November 2023 at NED Cowasjee School. The event was organized by Youth Empowerment Club (YEC) of HHRD in collaboration with Department of Students Affairs.
20. The event **Palestine Peace Walk** was held on 3rd November 2023 at NED Premises. The walk was organized by NED Peace Society of Department of Students Affairs.
21. The **Educational Visit of Baluchistan University – Khuzdar** was held on 6th November 2023 the students of Baluchistan University visited Computer Science and Information Technology (CSIT) and Software Engineering Department (SE). The visit was organized by Department of Students Affairs.
22. The programme **Leadership Up Lift** was held on 13th November 2023 at Syed Mehmood Alam Auditorium. The programme was organized by Youth Club and Girls Affairs Society in collaboration with Department of Students Affairs.
23. The event **TECH TALK** was held on 14th November 2023 at Ashraf Habibullah AV Hall, Civil Engineering Department. The event was organized by Society for the Promotion of Science, Engineering and Technology (SENTEC) Society of Department of Students Affairs.
24. The **Educational Visit of Habib Girls School** was held on 21st November 2023 the students of Habib Girls School visited Teaching Department of NED University.
25. The **“Blood Donation Camp”** was held on 5th and 6th December 2023 at Ground Floor of Old Administration Building and near Main Cafeteria NED University Main Campus. The camp was

- organized by Fatimid Foundation in collaboration with Medical Department and Department Students Affairs’.
26. A programme **International Day of Persons with Disabilities** was held on 6th December 2023 at Ashraf Habibullah AV Hall Civil Engineering Department. The programme was organized by NED Youth Empowerment Club Society of Department of Students Affairs.
 27. An Interactive Session Regarding **Postgraduate Opportunities Abroad** was held on 7th December 2023 at NIC Auditorium. The session organized by Department of Students Affairs.
 28. A programme **NPS Photography Workshop** was held on 13th December 2023 at Lecture Hall of Electrical Engineering Department. The programme was organized by NED Photography Society of Department of Students Affairs.
 29. The event **Turn the Wheel 2.0** (Cycle Rally) was held on 13th and 14th December 2023 in NED Premises. The event was organized by The NEDians Form Society (TNF) of Department of Students Affairs.
 30. The event **Olympiad 3.0** (Sports Competition) was held on 20th 22th December 2023 at NED Sports Section. The event was organized by Notifying Stories Around (NSA) Society of Department of Students Affairs.
 31. A programme **147th Birth Anniversary of Quaid e Azam – Quiz Competition** was held on 20th December 2023 at AV Hall Mechanical Engineering Department. The programme was organized by Pakistan Quiz Society in collaboration with Department of Students Affairs.
 32. A programme **Zaawiya x Induction** was held on 26th December 2023 at Ashraf Habibullah AV Hall Civil Engineering Department. The programme was organized by NED Literary and Publication Society of Department of Students Affairs.
 33. A seminar on **Interfaith Harmony** was held on 28th December 2023 at Ashraf Habibullah AV Hall Civil Engineering Department. The programme was organized by Ministry of Religious Affairs and Interfaith Harmony, Government of Pakistan in collaboration with Department of Students Affairs.
 34. The event **Theatre Competition** was held on 3rd January 2024 at Syed Mehmood Alam Auditorium. The event was organized by NED Green Society of Department of Students Affairs.
 35. A session **Navigating Graduate Students in the USA** was held on 4th January 2024 at AV Hall of Petroleum Engineering Department. The session was organized by NED Scholar in collaboration with Department of Students Affairs.
 36. A programme **Opportunities of Pakistani Students in NEOM City, Kingdom of Saudi Arabia** was held on 8th January 2024 at Ashraf Habibullah AV Hall Civil Engineering Department. The programme was organized by Journalist Mr. Mustafa Habib Siddiqui and Pakistani Consulate in Saudi Arabia in collaboration with Department of Students Affairs.
 37. The event **TECH FEST 6.0** was held on 9th January 2024 at Digital Library and Syed Mehmood Alam Auditorium. The event was organized by Society for the Promotion of Science, Engineering and Technology (SENTEC) Society of Department of Students Affairs.
 38. A programme **Artist Panel Talk and Pictostory** was held on 9th January 2024 at AV Hall Mechanical Engineering Department. The programme was organized by Members of the Society of Artistic and Intellectual Creativity (MOSAIC) Society of Department of Students Affairs.
 39. An awareness session regarding **Blasphemous Materials Activities on Social Media** was held on 10th January 2024 at Ashraf Habibullah AV Hall Civil Engineering Department. The session was organized by Higher Education Commission (HEC) in collaboration with Department of Students Affairs.
 40. An interactive session regarding **National and International Employability Market and Latest Career Trends in STEM** was held on 18th January 2024 at NIC Auditorium. The session was organized by Department of Students Affairs in collaboration with Australia Career Development Consultant and Education Leader, Ms. Ayesha Umar.
 41. The **Educational Visit of Public School Gadap** was held on 1st March 2024 the students of Public School Gadap visited National Incubation Centre, Automotive Engineering Department, Textile Engineering Department and Sports Section. The visit was organized by Department of Students Affairs.

42. The **Blood Donation Camp** was held on 4th and 5th March 2024 at Ground Floor of Old Administration Building and near Main Cafeteria NED University Main Campus. The camp was organized by Indus Hospital Blood Centre in collaboration with Medical Department and Department Students Affairs’.
43. The programme **Dukhtaran e Pakistan for Peace Building and Perception Management** was held on 5th March 2024 at Syed Mehmood Alam Auditorium. The programme was organized by NED Debating Society and NED Girls Affair Society of Department of Students Affairs in collaboration with Sindh Higher Education Commission and Paigham e Pakistan.
44. The programme **Bazm e Sukhon** was held on 5th March 2024 at Syed Mehmood Alam Auditorium. The programme was organized by NED Debating Society of Department of Students Affairs.
45. The **Educational Visit of School Students** was held on 5th March 2024 the students of visited National Incubation Centre, Automotive Engineering Department, Textile Engineering Department and Information Technology Department. The visit was organized by Department of Students Affairs.
46. A programme **Visit of Prime Minister at Mazar e Quaid** was held on 24th April 2024 at Mazar e Quaid. In which the Prime Minister of Pakistan visited the Mazar e Quaid along with the NED and other universities students. The programme was organized by Prime Minister Secretariat and PMU Green Youth Movement in collaboration with Department Students Affairs’.
47. The event **NEDVENTURE X 2.0** Sports Competition was held on 30th April 2024 at NED Sports Section. The event was organized by The NEDian Forum (TNF) in collaboration with Department of Students Affairs.
48. The programme **NEDVENTURE X 2.0** Theatre Play and Price Distribution Ceremony was held on 2nd May 2024 at Syed Mehmood Alam Auditorium. The event was organized by The NEDian Forum (TNF) in collaboration with Department of Students Affairs.
49. The **Blood Donation Camp** was held on 8th and 9th May 2024 at NED Medical Centre. The camp was organized by Patients’ Welfare Association in collaboration with Medical Department and Department Students Affairs’.
50. A programme **Zaawiya** was held on 14th May 2024 at National Incubation Centre Auditorium. The programme was organized by NED Literary and Publication Society of Department of Students Affairs.
51. An interactive session with **Mr. Shahzad (Federal Government Official)** was held on 17th May 2024 at Ashraf Habibullah AV Hall, Civil Engineering Department. The programme was organized by Department of Students Affairs.
52. The **NED Plantation Dive** was held on 17th May 2024 at NED Sports Section. The drive was organized by NED Youth Empowerment Club Society of Department of Students Affairs in collaboration with Helping Hand for Relief and Development.

8.3.2 Student Chapters of International Technical Societies

Additionally, there are several student chapters of international technical societies on campus who remain equally engaged through out the year. Here are a few of glimpses:

- **American Concrete Institute (ACI) NED Student Chapter**
- ACI NED arranged a simulating career orientation session named “Stepping into the industry” aimed at providing career counselling and practical life insights to the graduating batches on July 13, 2023.
- ACI NED volunteered at the “13th International Civil Engineering Conference” on November 10-11, 2023, at NEDUET Karachi.
- ACI NED volunteered at “UNOPS Seminar/Workshop GHAR: Green Housing, Affordable, and Resilient” on November 24, 2023 at Ashraf Habibullah AV Hall NEDUET.
- ACI NED volunteered at the “International Conference on Technology-Enabled Civil Infrastructure Engineering and Management (TECH-IEM)” on December 15-16, 2023.
- ACI NED team volunteered at the “International Seminar on Construction Dispute Avoidance and Resolution” at Ashraf Habibullah AV Hall NEDUET on December 23, 2023.

- ACI NED carried out a student competition named “Hydrocast” on March 8, 2024, aimed at providing insights into innovative methods and application of pervious concrete.
- ACI NED arranged an industry site visit to “Platinum Steel Mill, Port Qasim, Karachi” on March 9, 2024, for the students to witness and understand rebar and steel sections manufacturing process.
- ACI NED conducted a series of online trivia quiz during the Ramadan break for the students to test and expand their knowledge.
- **Institute of Mechanical Engineering (ImechE) NED Student Chapter**
- Propellair’23 was held on 8th July 2023, which is a national-level competition for designing, fabricating, and flying RC airplanes. Total of 18 teams participated in this edition of Propellair which includes universities such as NUST, PAF KIET, Bahria University, Hamdard and NED University.
- IMechE NED Student Chapter organized Induction Ceremony on 5th December 2023 for newly recruited members for the tenure of 2023-2024.
- On 26th December 2023, IMechE executed it’s another flagship event named “Mechathon 8.0” in which 137 teams participated in total of 4 modules (Bridge Building, Bottle Rocket, Spud Gun and Balloon Cart). Teams from Sir Syed and Dawood University also took part in the competition.
- Speak Out for Engineering (SOfe’24) was held on 5th March 2024 in which 20 participants took part in the competition individually. Winner of SOfe’24 going to take part in SOfe Nationals’24 which would be going to held at GIKI (Swabi, KPK)
- During the Ramadan break IMechE NED Student Chapter conducted workshops on Web Development and Internet of Things (IoT) for their members and other students.
- IMechE conducted a guidance workshop for the participants of upcoming Propellair’24 on 16th May 2024. Hands on trainings of software like SOLIDWORKS and ANSYS were given to every attendee.
- **NED Chapter of the American Society of Mechanical Engineering (ASME)**
- Orientation ceremony for the ASME Student Section was held on the 30th October, 2023 at the Mechanical AV Hall.
- Team Women in Engineering of the ASME Student Section collaborated with the NED Girls Affairs Society on a Breast Cancer Awareness Session on the 31st October, 2023 at the Civil AV Hall.
- ASME General Body interviews were conducted on the 6th and 7th of November to recruit team members at the Mechanical AV Hall.
- ASME Induction Ceremony was carried out on the 16th of November to induct our newly recruited team at the Mechanical AV Hall.
- A meeting with the Executive body of the ASME Pakistan Professional Section was organized on the 8th of December, 2023 at the Mechanical Dept Conference Room.
- Industrial visit to the Alson Industries on the 13th of December, 2023.
- On the 3rd and 4th of January, 2024, the Ignite 8.0 was held with inter-university participations.
- Collaborated with LPS NED at the Main Auditorium NED for the opening ceremony of the formerly mentioned Ignite 8.0 event.
- News Media Coverage of Ignite 8.0 modules at Fountain Area by notable National Media Outlets for the final day of the event.
- ASME Connect held at Mechanical AV Hall with Chairman Mechanical Department as the Chief Guest and in collaboration of newly revived ASME Pakistan Section as their first event of the tenure.
- Participation of ASME NED team in the ASME Efx 2024 event held on 24th to 25th February at UET Peshawar.
- Women’s Day event held on the 8th of March 2024 at Petroleum AV Hall with multiple influential guest speakers.
- Informational Ramzan quizzes held on Social Media platforms regularly throughout Ramzan Break to keep audiences engaged.
- Successful industrial visit at Afroze Textiles held on the 9th of May 2024.

- **IEEE Student Branch NED**

- XR Career Connect, a seminar held by Ma'am Farah Zehra, an experienced XR developer at Snobal, shared her thoughts on the future of extended reality on 12th October 2023.
- A seminar was held on "Organization Types and Technology related roles" by Mr. Muhammad Jahenzaib Akhtar to unlock the future in tech for its enthusiasts in CIS seminar hall on 13th November 2023.
- On November 20, 2023, Mr. Kashif-ul-Haque, General Manager at Cisco Systems, shared his thoughts and experiences during a seminar titled "Building a Career in Technology Leadership." The event took place in the CIS Seminar Hall.
- The IEEE Student Branch held its induction ceremony to mark the official start of its tenure on 13th December 2023 in the CIS Seminar Hall.
- Shoab Munir, the CEO of Mavryck, conducted a webinar on "Project Management and AI" on 9th March 2024.
- On March 23, 2024, Ms. Javeria Faraz, the founder and CEO of Dollat, conducted a webinar on the topic "Women in Entrepreneurship," which was streamed live on the IEEE SB Facebook page.
- On April 4, 2024, a technical mock interview session organized by Arbisoft in collaboration with the IEEE Student Branch was conducted under the supervision of Ms Hina Khadim at Arbisoft office.
- A hands-on workshop on "Space Invaders using Konva.js" was held in the CIS Seminar Hall on May 15th, under the supervision of Mr Heera Nand and Mr Hatim Juzer, in collaboration with Arbisoft and IEEE SB.

- **IEEE Power and Energy Society – Student Branch NED**

- A technical seminar titled "Asset Management and Applied Electrical Engineering" was held on 7th Nov, 2023.
- IEEE PES arranged a seminar with the title "Unlocking the world of electrical design" on 20th Nov, 2023.
- IEEE PES conducted an induction ceremony titled "Officially starting the tenure" on 4th Jan, 2024.
- One day technical session titled "Advanced techniques of grid planning" was held on 9th Jan, 2024.
- An industrial visit to K-Electric's 132 kV Gulistan-e-Johar, hospital grid for students was arranged in 6th March 2024.

- **American Association of Textile Chemists and Colourists (AATCC) NED Chapter**

- The Career Seminar 2023, hosted by AATCC NED Chapter, aimed to prepare students for success in a highly competitive job market. In this event, esteemed industry leaders served as featured speakers, offering insights and expertise on career strategies and overcoming challenges.
- Team AATCC NED Chapter participated in the 5th Color and Chemical Expo, Lahore. The team showcased their achievements and received official recognition certificates.
- AATCC partnered with Felt Right for a design competition. Maham Kamran of AATCC NED Chapter won the competition marking a historic win for the Chapter.
- AATCC NED Chapter partnered with Karachi AI for a seminar on Applied AI in Textiles and Fashion Design. Experts discussed AI's impact on textiles and fashion. The session gave Insights on supply chain optimization and sustainability.
- AATCC NED Chapter organized a fruitful session for final year students on building a strong resume and acing interviews with confidence in order enter in the corporate world. Mr. Waqas Ahmed shared his valuable insights from the industry and guided the students as per the theme of the session.

- **American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) NED Student Branch**

- NED Orientation took place on 7th October 2023 in the Mechanical Department, NED University.
- ASHRAE Orientation was held on 16th October 2023 in the Main Auditorium, NED University.
- Industrial visits organized by ASHRAE NEDUET Student Branch:

- Atlas Honda on 31st October 2023.
- Pakistan State Oil on 16th November 2023.
- General Tyre on 14th November 2023.
- Fauji Fertiliser Bin Qasim Limited on 12th December 2023.
- Seminar on "Mapping your professional journey: Beyond your degree" took place on 5th January 2024 in the Mechanical AV Hall, Mechanical Engineering Department, NED University.
- AI and IoT Exhibition was held on 11th January 2024 in the Mechanical Engineering Department, NED University.

8.3.3 Other Student Societies

- NED Photography Society (NPS), https://www.facebook.com/nedphotographsociety/?ref=br_rs.
- NED Green Society (NGS), https://www.facebook.com/NEDGreenSociety/?ref=br_rs.
- NED Debating Society (NDS), https://www.facebook.com/debatingsocietyned/?ref=br_rs.
- Society for Promotion of Science, Engineering and Technology (SENTEC), https://www.facebook.com/nedsentec/?ref=br_rs.
- Members of the Society of Artistic and Intellectual Creativity (MOSAIC), https://www.facebook.com/MosaicNed/?ref=br_rs.
- Literary and Publications Society (LPS), <https://www.facebook.com/lpsneduet/>.
- Pakistan Society NED (PSN), <https://www.facebook.com/PSNEDUET/>.
- NED Girls Affairs Society (NGS), <https://www.facebook.com/NED-Girls-Society-629945383725318/>.
- The NEDians Forum Society (TNF), <https://www.facebook.com/TheNediansForum>.
- Notifying Stories Around Society (NSA), <https://www.facebook.com/NSANEDUniversity/>, <https://www.facebook.com/NSAPhotography>.
- Youth Empowerment Club (YEC), <https://www.facebook.com/profile.php?id=61552161032698&sk=about>.
- Peace Society NED (PSN), <https://www.facebook.com/profile.php?id=100088207620200>

For more information visit https://www.neduet.edu.pk/students_affairs.

8.4 Affordable and Nutritious Food

In support of SDG 2 (Zero Hunger), the university ensures access to affordable and nutritious food through several canteens offering hygienic meals at subsidized rates. Additionally, a dedicated canteen with lower prices is available for hostel students, ensuring food security for those residing on campus. Regular hygiene and quality audits are conducted to maintain high standards of food safety.

Chapter 9: Diversity, Equity and Inclusion

SDG Targets



Ensuring equal opportunities.
Supporting work-life balance.



Promoting inclusivity.



Promoting pedestrian-friendly infrastructure.



Providing access to education for economically disadvantaged students.

9.1 Gender Equality

The University always strives to provide equal facilities to all genders. Some supporting statistics are given in the following.

9.1.1 Students

The following are the gender-wise student statistics for admissions, enrollment and graduation, for the year 2023-24.

		Male	Female	Total
Applications	Undergraduate Programmes	7,115	3,754 (35%)	10,869
	Masters Programmes	1,613	602 (27%)	2,215
	PhD Programmes	69	48 (41%)	117
	Total Applicants	8,797	4,404 (33%)	13,201
Admissions	Undergraduate Programmes	1,369	1,219 (47%)	2,588
	Masters Programmes	833	329 (28%)	1,162
	PhD Programmes	14	6 (30%)	20
	Total Applicants	2,216	1,554 (41%)	3,770
Enrollment	Undergraduate Programmes	5,241	4,196 (44%)	9,437
	Enrolment in TIEST	76	25 (25%)	101
	Masters Programmes	2,017	792 (28%)	2,809
	PhD Programmes	108	68 (39%)	176
	Total Applicants	7,442	5,081 (41%)	12,523
Graduation	Undergraduate Programmes	1,348	944 (41%)	2,292
	Masters Programmes	711	278 (28%)	989
	PhD Programmes	12	5 (29%)	17
	Total Applicants	2,071	1,227 (37%)	3,298

Scholarships and financial assistance is also provided equally to all genders. Further details are discussed in section 9.4.

9.1.2 Faculty and Staff

The University provides equal teaching, research and administrative opportunities to everyone irrespective of the gender. Gender-wise employment statistics for teaching departments are given below. The administrative posts include Chairperson, Co-Chairperson, and Postgraduate Coordinator.

Department Name	Teaching Staff (Number)				Non-teaching Staff (Number)		
	Total	Male	Female	Female holding Administrative Post	Total	Male	Female
Civil Engineering	45	29	16	--	49	42	7
Urban and Infrastructure Engineering	13	6	7	--	22	22	--
Petroleum Engineering	14	13	1	--	16	16	--
Earthquake Engineering	2	2		--	13	10	3
Environmental Engineering	4	3	1	--	18	18	--
Electrical Engineering	44	29	15	--	55	54	1
Electronic Engineering	25	10	15	--	35	34	1
Telecommunications Engineering	15	6	9	--	15	15	--
Computer and Information Systems Engineering	30	14	16	--	45	40	5
Bio-Medical Engineering	17	10	7	--	26	24	2
Computer Science and Information Technology	21	12	9	--	29	27	2
Software Engineering	16	5	11	2	0	--	--
Mechanical Engineering	54	49	5	--	65	65	--
Industrial and Manufacturing Engineering	23	15	8	--	40	38	2
Textile Engineering	21	10	11	--	40	34	6
Automotive and Marine Engineering	8	7	1	--	29	27	2
Chemical Engineering	19	16	3	--	23	19	4
Polymer and Petrochemical Engineering	8	4	4	--	18	17	1
Materials Engineering	10	9	1	--	29	28	1
Metallurgical Engineering	14	11	3	--	34	32	2
Food Engineering	9	5	4	1	11	10	1
Architecture and Planning	25	6	19	1	24	22	2
Economics and Management Sciences	16	11	5	--	7	7	--
Physics	16	10	6	--	10	10	--
Chemistry	13	2	11	1	10	9	1
Mathematics	29	19	10	--	8	8	--
English Linguistics and Allied Studies	14	2	12	1	7	6	1
Essential Studies	6	4	2	--	3	3	--
Civil Engineering [TIEST]	8	7	1	--	4	4	--
Computer Science and Technology [TIEST]	9	8	1	--	0	--	--
Total	548	334	214	6	685	641	44

Likewise, gender-wise employment statistics for administrative departments and research centres are given below. Administrative posts include Vice Chancellor, Pro-Vice Chancellor, Registrar, Deputy Registrar, Director, and Deputy Director.

Department Name	Total Employees	Male	Female	Female holding administrative Post
VC Secretariat	10	10	--	--
P.V.C Secretariat	6	6	--	--
Dean Office (Faculty of Civil and Petroleum Engineering)	4	4	--	--
Dean Office (Faculty of Mechanical and Manufacturing Engineering)	4	4	--	--
Dean Office (Faculty of Electrical and Computer Engineering)	5	5	--	--
Dean Office (Faculty of Information Sciences and Humanities)	4	4	--	--
Dean Office (Faculty of Chemical and Process Engineering)	7	7	--	--
Dean Office (Faculty of Architecture and Management Sciences)	5	5	--	--
Registrar Office	218	213	5	--
Finance	45	40	5	--
Examination	52	47	5	--
Works and Services	226	214	12	--
Information Technology (IT Department)	40	6	34	--
Student Affairs	35	28	7	--
Industrial Liaison	8	8	--	--
Advanced Studies Research Board (ASRB)	4	4	--	--
Quality Management Cell (QMC) / Quality Enhancement Cell (QEC)	5	5	--	--
Medical Department	20	16	4	1
Audit Department	8	8	--	--
Office of Research, Innovation and Commercialization (ORIC)	4	3	1	--
Procurement Cell	16	16	--	--
Planning and Development	13	13	--	--
Engr. Abul Kalam Library	54	41	13	1
MR ISO Office	11	11	--	--
NED Academy	5	5	--	--
University Advancement and Financial Assistance (UAFA)	4	4	--	--
Planning and Projects	3	3	--	--
Project Directorate Mega IV	1	1	--	--
Project Directorate Mega V	1	1	--	--
Thar Institute of Engineering, Sciences and Technology	32	31	1	--
National Center for Artificial Intelligence (NCAI) - Neuro-Computation Lab	38	26	12	--

National Center for Artificial Intelligence (NCAI) - Smart City Lab	2	1	1	--
National Center for Cyber Security (NCCS)	4	4	--	--
National Center in Big Data and Cloud Computing (NCBC)	16	12	4	--
National Center for Robotics and Automation (NCRA)	2	2	--	--
High Performance Computing Centre	5	5	--	--
Instrumentation Centre	5	5	--	--
NED University Virtual Reality Center	5	1	4	--
Panjwani - Hissar Water Institute	2	1	1	--
Sultan Qaboos Oman I.T. Chair	1	1	--	--
Total	930	821	109	2

Similarly, significant representation of females can be seen in the following position-wise employee statistics.

Position	Male	Female	Total
Professors	44	04 (8%)	48
Associate Professors	37	20 (35%)	57
Assistant Professors	151	80 (35%)	231
Lecturers	112	107 (49%)	219
Research Staff	111	70 (39%)	181
PhD Faculty	183	74 (29%)	257
PhD Enrolled Faculty	40	15 (27%)	55

9.2 Ethnic and Religious Equality

9.2.1 Students

The University does not discriminate admissions on the basis of religion. All students who meet the merit criteria are eligible for admission, irrespective of caste, creed or religion. Religion-wise statistics of the students admitted in batches from 2019 till 2023 are as follows. The table also shows the number of foreign national students admitted in the University in the same batches.

Batch	Non-Muslims	Foreign Nationals
2019	38	10
2020	20	5
2021	19	17
2022	21	18
2023	19	55
2024	90	57

Major number of seats are reserved for the local students of home-city Karachi, however sufficient proportion of seats is kept for other ethnicities as well. The details of the distribution of seats can be found in the University Undergraduate Prospectus available at

https://www.neduet.edu.pk/sites/default/files/Admissions-2023/UGProspectus_2023.pdf.

9.2.2 Faculty and Staff

The University provides equal employment opportunities including teaching, research and administrative positions to everyone who is eligible for the post on merit. The religion-wise statistics for the faculty are as follows.

Department Name	Teaching Staff (Number)		Non-teaching Staff (Number)
	Non-Muslims	Foreign Nationals	Non-Muslims
Department of Civil Engineering	--	2	--
Department of Petroleum Engineering	--	1	--
Department of Electrical Engineering	1	--	--
Department of Electronic Engineering	--	--	1
Department of Computer and Information Systems Engineering	--	--	1
Department of Computer Science and Information Technology	--	--	1
Department of Mechanical Engineering	--	1	--
Department of Architecture and Planning	1	--	--
Department of Chemistry	--	--	1
Department of Mathematics	--	--	--
Department of Civil Engineering [TIEST]	--	--	1
Department of Computer Science and Technology [TIEST]	3	--	--
Total	5	4	5

Likewise, the religion-wise statistics for the staff of administrative departments and research centres are as follows.

Department Name	Total Non-Muslim Employees
Registrar Office	1
Examination	1
Works and Services	31
Information Technology (IT Department)	1
Student Affairs	2
Thar Institute of Engineering, Sciences and Technology	5
Total	41

9.3 Inclusion for Minorities, Differently-abled Persons and Other Boards Through Fixed Distribution of Seats

In Under graduate admissions, although the majority of admission seats are reserved for the mainstream Board of Intermediate Education Karachi, some seats are allocated for other boards and quotas to represent students from cities and categories. Additionally, the university has introduced reserved seats for religious minorities and differently-abled persons in departments where accommodation is feasible, promoting the notion of inclusion. The summary of these reserved seats is as follows.

Category	Number of Seats	
	Regular Scheme	Self-Finance Scheme
HSC from Board of Intermediate Education, Karachi	1533	215
Differently-abled Person	12	--
Religious Minorities	37	--
HSc from Other Boards	315	116
A-Level	156	87
Other Equivalent Boards	42	9
Rural Areas of City Division Karachi HSC from Board of Intermediate Education, Karachi	6	--
Real Son/Daughter of NED University Teachers and Staff	69	--
Nominees of Dinshaw Family	4	4
Nominees of LEJ Foundation, UET Lahore/Taxila, UET Peshawar	12	--
Nominees of Government of Balochistan, FATA, Government of Kashmir, Government of Gilgit Baltistan, Indian Occupied Kashmir (IOK)	44	--
Outstanding Sportsmen	4	--
Nominees of Ministry of Education Govt. of Pakistan	1	--
Nominees of Armed Forces and Rangers	16	--
Equivalent Boards located outside Pakistan		17
Foreign Candidates	5	14
Real Sons and daughters of NEDAN Life Members, Professional Engineers, Professional Architect and Town Planners	--	21
Others	--	177
Total	2256	660

Department-wise distributions can be found in the Undergraduate Prospectus available at <https://www.neduet.edu.pk/admission>.

For post-graduate admission, the admissions are open to all those candidates who fulfil the prerequisites for the admission. Details can be found in the Postgraduate Prospectus available at https://www.neduet.edu.pk/postgraduate_admissions.

Current status of enrollment for differently-abled persons is as follows.

Level	Number of Students	Programme
Undergraduate	1	Bachelor of Science - Computer Science, Specialization in Artificial Intelligence
	1	Bachelor of Science - Computer Science, Specialization in Data Science
	1	Bachelor of Science - Computer Science, Specialization in Cyber Security
Postgraduate	1	Master of Science - Computer Science and Information Technology

9.4 Financial Aid and Scholarships

Aligned with our commitment to SDG 1 (No Poverty), the university provides scholarships and financial assistance to help reduce financial barriers to education, ensuring equal opportunities for all students regardless of economic background. This year, a total of 3,523 scholarships were awarded, amounting to over Rs. 236 million, benefiting students from underprivileged backgrounds. These efforts play a vital role in alleviating poverty by enabling access to quality education. Statistics for the year 2023-24 are given below.

	Male	Female	Total	Amount (PKR)
Private Funded	684	592	1,276	95,524,026
Maa Jee Scholarship	80	125	205	17,884,000
Ehsaas Programme	188	154	342	39,361,500
HEC Scholarship	154	164	318	31,800,000
Zakat and Ushr	54	46	100	10,039,000
Sindh HEC	9	16	25	5,750,000
Admission Support (Financial Assistance)	63	96	159	6,123,500
Semester Support (Financial Assistance)	6	6	12	393,500
Duty Society	625	285	910	18,929,400
PhD Fellowships	176			10,560,000
Total	3,523 students			236,364,926

9.5 Pedestrian Path Policy on Campus

As per the pedestrian path policy of the University, the following facilities are provided to the faculty, staff and students including the disabled.

- Railings and supports
- Street lamps for pedestrian in night
- Ramps and guiding blocks which have suitable design for pedestrian having physical disabilities



9.6 Daycare Centre

A 'Daycare Centre' is facilitating the female university employees. The University has recently approved Rs. 5 million for construction of an additional block for the Centre; its stone laying Ceremony was held in December 2019 by Justice (Rtd.) Nasira Iqbal.

Chapter 10: Education and Research

SDG Targets



Delivering impactful education and research.
 Demonstrating research excellence.
 Highlighting research contributions.



Advancing research and innovation.

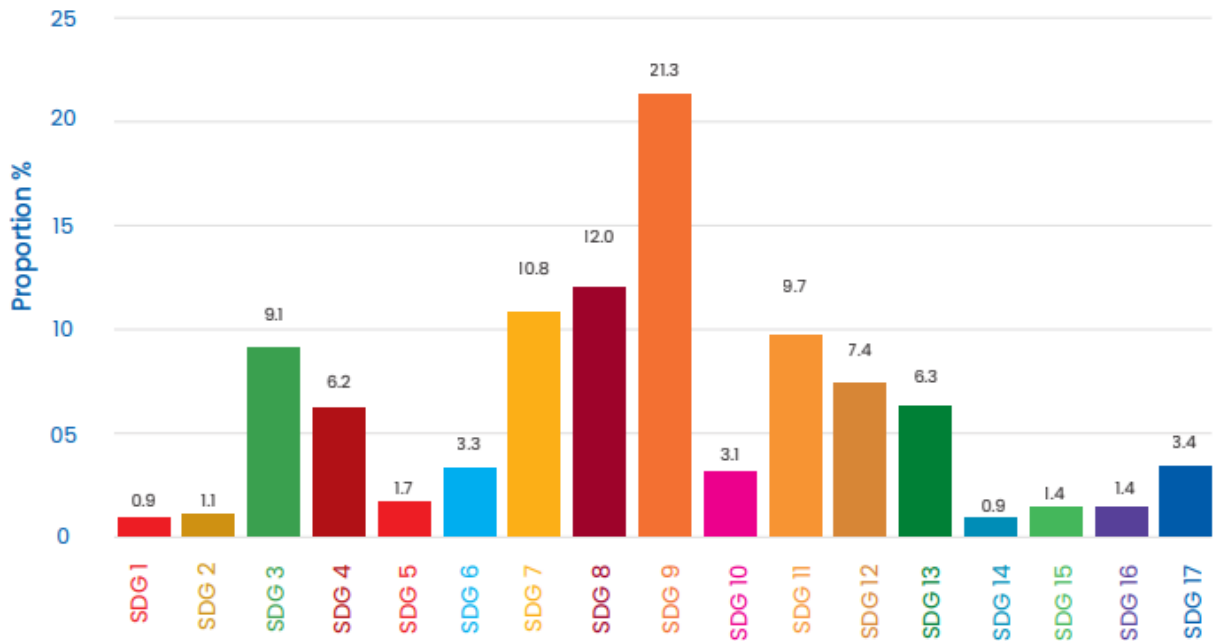
10.1 University Impact

NED University has demonstrated a strong commitment to promoting sustainable development through its academic and research activities. By mapping seven key components, NED University has identified areas where it can contribute to achieving the United Nations Sustainable Development Goals (SDGs). Through these efforts, NED University is making a significant impact towards creating a more sustainable future and promoting global progress towards achieving the SDGs. The seven components mapping 3742 activities with 5430 instances across 17 SDGs are as follows.

- Undergraduate courses
- Postgraduate courses
- Undergraduate projects (Final year design projects)
- Postgraduate projects / thesis
- Externally funded research projects
- University events
- Research Publications



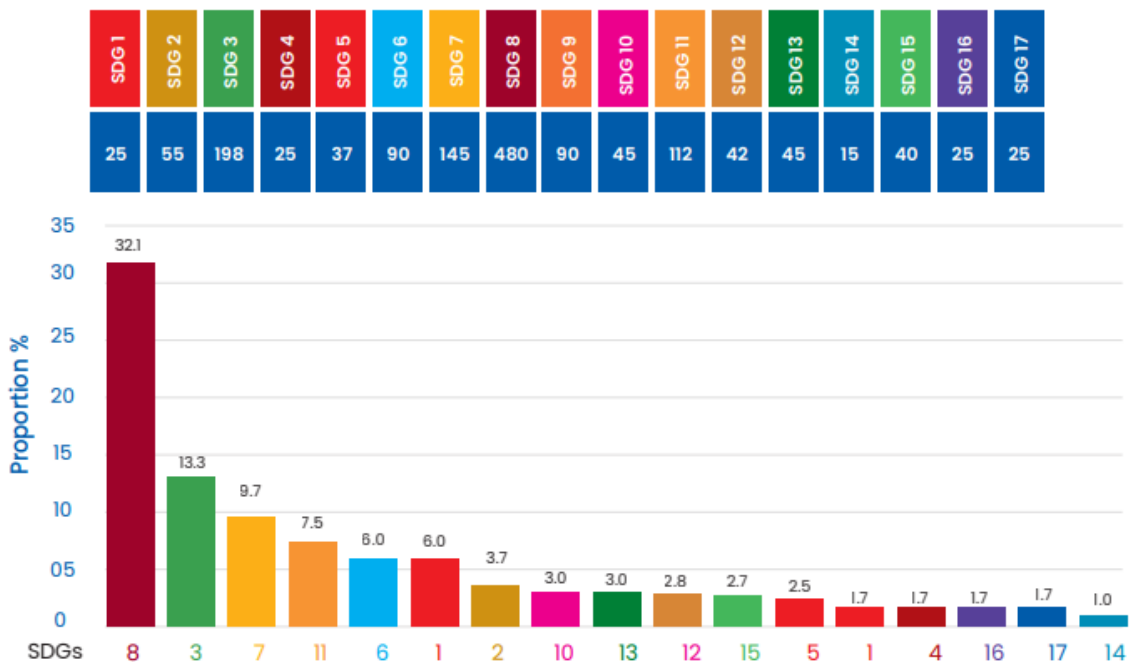
10.1.1 Overall SDG Mapping of Impact Components



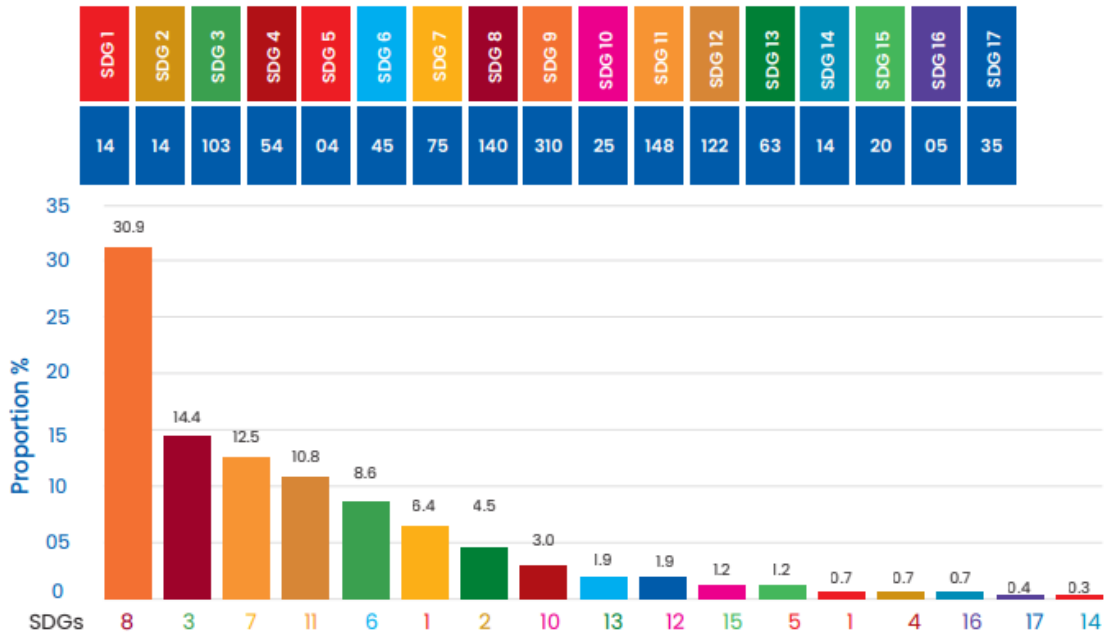
10.1.2 Undergraduate Courses

During year 2023 and 2024, 812 courses at undergraduate level were offered. There were 1,494 mapping instances on SDGs. The following table shows the numerical mapping while the proportions are visualized below.

10.1.3 Final Year Design Projects

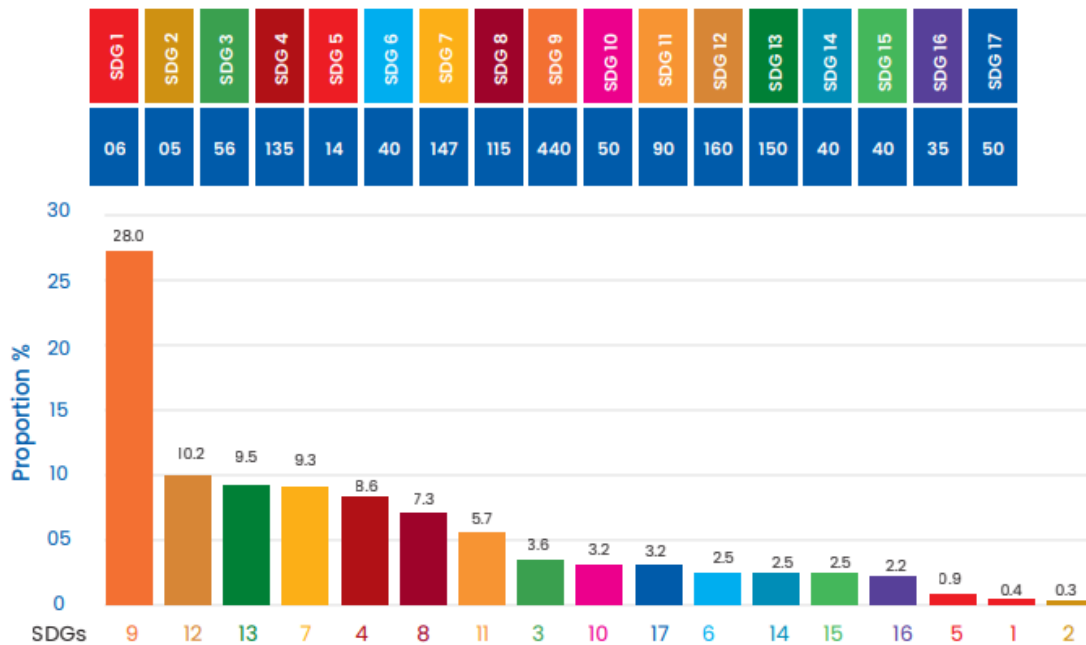


561 Final year design projects (FYDP) were carried out at undergraduate level during year 2023 and 2024. There were 1,191 mapping instances on SDGs. The following table shows the numerical mapping while the proportions are visualized below.



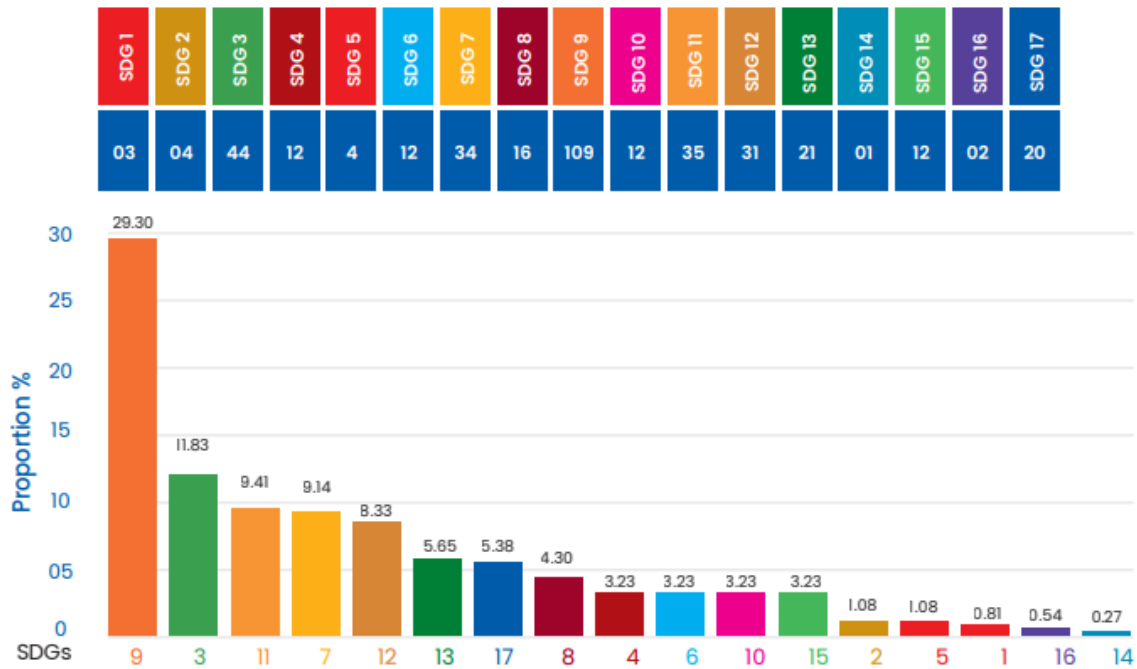
10.1.4 Postgraduate Courses

During year 2023 and 2024, 513 postgraduate courses were taught at the master level. There were 1,573 mapping instances on SDGs. The following table shows the numerical mapping while the proportions are visualized below.



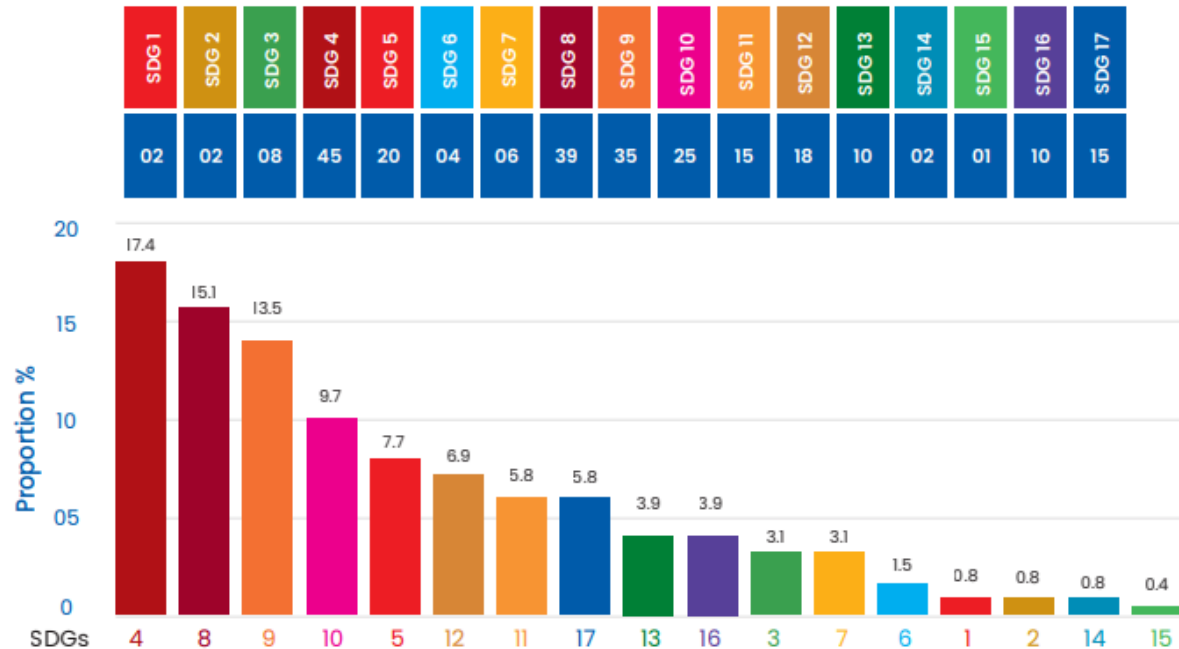
10.1.5 Masters Thesis

145 masters projects theses were undertaken during the year 2023-24. There were 372 mapping instances on SDGs. The following table shows the numerical mapping while the proportions are visualized below.



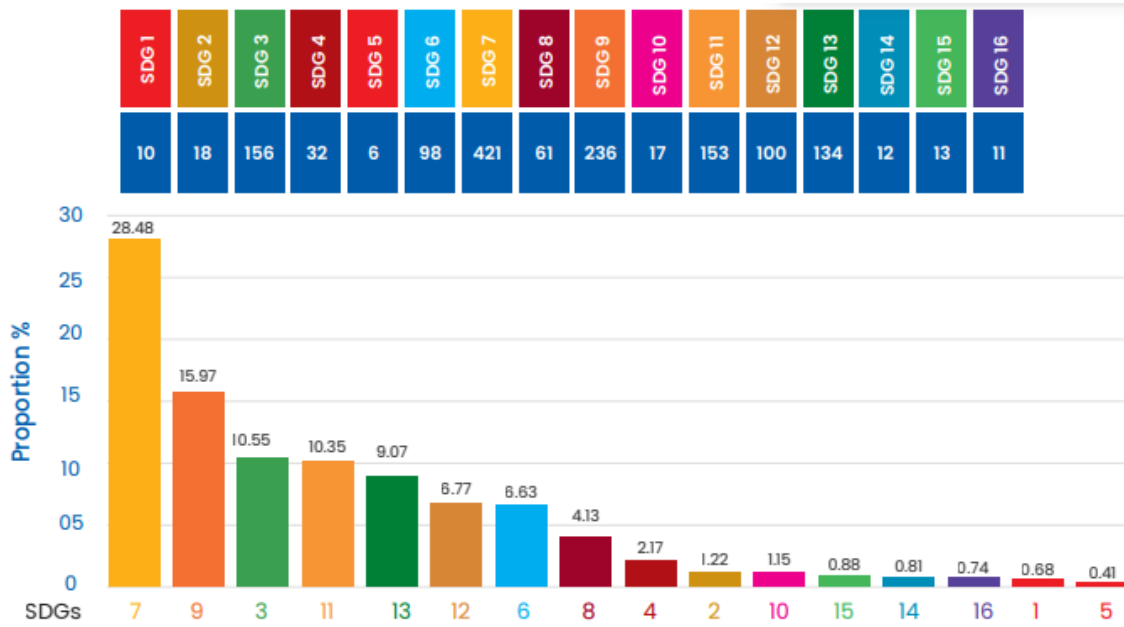
10.1.6 University Conferences, Seminars and Workshops

During year 2023 and 2024, 121 activities including international conferences, seminars, workshops and other co- and extra-curricular activities were held across NED University campuses. These activities had 259 SDG mapping instances. The following table shows the numerical mapping while the proportions are visualized below:



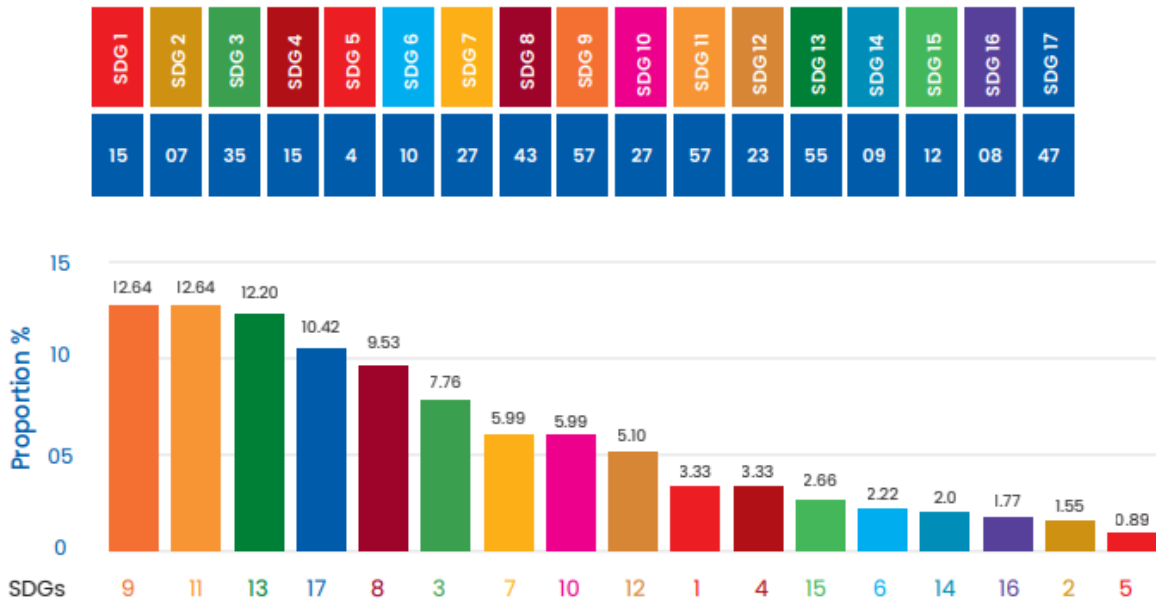
10.1.7 Research Publications

Mapping of NED University research publications across 1-16 sustainable development goals (SDGs) as per data provided by Scopus over the last five years is presented here. There were 1478 publications mapping onto SDGs with over 8,000 citations. The following table shows the numerical mapping while the proportions are visualized below:



10.1.8 Externally Funded Research Projects

During year 2023-24, 112 externally funded projects were being actively pursued by faculty members. There were 451 mapping instances of these projects on SDGs. The following table shows the numerical mapping while the proportions are visualized below:



10.2 Research Statistics

Research statistics for the year 2023-24 are as follows.

Research Centers	28
Ongoing Projects	253
Research Funding	Rs. 2.1 Billion
Research Publications	1478
Research Staff	181
International Conferences Held	11

10.3 Research Journals

- **NED University Journal of Research** - Since 2013, the journal is published biannually in two sections, namely Structural Mechanics and Applied Sciences. The primary aim of this journal is to provide an international forum for the dissemination of research and new developments and their applications in engineering and technology. NED University of Journal of Research is a Scopus indexed Journal recognized and listed in HEC's HJRS database. The Journal is also indexed by several other indexing services.
- **Journal of Research in Architecture and Planning (JRAP)** – Focusing on research works relevant to the fields of architecture and planning, this journal explores issues of relevance to both scholars and practitioners. JRAP was initiated in 2000 and is a peer reviewed journal published biannually since 2011. The Journal is also recognized and listed in HEC's HJRS database.
- **Journal of Social Sciences and Interdisciplinary Research (JSSIR)** - Refereed, bi- annual journal. The journal acts as a forum for social scientists and researchers to investigate and discuss issues confronting societies both local and global. All the submitted manuscripts are multiple peer reviewed.

10.4 Research Centres

Currently a total of 28 research centres are working the University. These are listed as follows.

1. Advanced Traffic Lab for Analytics And Simulation (ATLAS), <https://atlas.neduet.edu.pk/>.
2. Centre for Affordable Housing And Sustainable Built Environment (CAHSBE), <https://cahsbe.neduet.edu.pk>.
3. Centre for Advanced Studies In Renewable Energy (ASURE), <https://asure.neduet.edu.pk/>.
4. Norwegian Centre of Petroleum Studies
5. Advanced Material Testing Lab
6. Panjwani Hisaar Water Institute
7. Cowasjee Earthquake Study Centre, <https://eqd.neduet.edu.pk/CESNED>.
8. Product Development Centre
9. Centre for Quantum Technologies
10. Smart City Lab, National Centre for Artificial Intelligence (NCAI), <https://ncai.neduet.edu.pk/>.
11. Neuro Computation Lab Lab, National Centre for Artificial Intelligence (NCAI), <https://ncai.neduet.edu.pk/>.
12. National Centre for Data Analytics and Cloud Computing (NCBC), <https://ncbc.neduet.edu.pk/>.
13. National Centre for Cyber Security (NCCS) <https://nccs.neduet.edu.pk/>.
14. National Centre for Robotics and Automations (NCRA), <https://ncra.neduet.edu.pk/>.
15. National Incubation Centre

16. Instrumentation Centre (IC), <https://ic.neduet.edu.pk/>.
17. High Performance Computing Centre (HPCC), <https://hpcc.neduet.edu.pk/>.
18. NED University Virtual Reality Centre (VR Centre), <https://vrc.neduet.edu.pk/>.
19. Heritage Cell, https://www.neduet.edu.pk/arch_planning/Heritage/webpages/heritage.html#ad-image-1
20. Asma M. Hashmi Stem Centre
21. Centre for Gaming and Animation
22. Electronic Design Centre (EDC), <https://edc.neduet.edu.pk/>.
23. K Electric Lab
24. Centre for Software Research and Development (CSRSD), <https://csrd.neduet.edu.pk/>.
25. DICE Energy Innovation Centre, <https://dice.neduet.edu.pk/>.
26. Building Information Modeling Centre (BIM)
27. NED University Fire Lab
28. Centre for Nano Technologies

Chapter 11: Community Engagement

SDG Targets



Encouraging civic responsibility.



Promoting educational initiatives.



Strengthening alumni networks.



Addressing poverty in the community.



Addressing food insecurity in the community.

11.1 Extending Community Service Through Students

NED University has been one of the pioneer universities among higher educational institutes of Pakistan which has introduced community service course as mandatory in all undergraduates' programmes since 2017. The basic philosophy is to inculcate following spirit among the students:

- To create a sense of social service, owing and contribution to communities around them
- To creating bonding with the communities being served
- To create enhanced social awareness and responsibility
- To develop civic and social responsibility
- Help to develop interpersonal, teamwork and leadership skills in students.

University's community service programme covers both on and off campus activities. Some of them are highlighted below:

On-Campus Services

- Sorting of Books at Circulation Library
- Plantation at Campus
- Paper Recycling
- Organizing Laboratories
- Maintenance activities at Mosque
- Active participation in volunteering during conferences, seminars and others events

Off Campus Services

- Plantation at Public Sector Schools
- Plantation at Parks, Gardens and Public Places
- Maintenance at Public Sector Schools
- Spending Time with Children at Orphanages
- Spending Time with Senior Citizens at Old Homes
- Spending Time with Differently Abled Children
- Blood Donation Drive
- Iftar Drives
- Medical Camp
- Refreshment Drives
- Heat Stroke Prevention Drives
- Eid ul Adha Cleanliness Drive
- Beach Cleanliness Drive
- Awareness Seminars
- Birds Care
- Extending Service at Health Care Facilities
- Basic Need Donation Drives

Lab demonstration at Public Sector Schools

Some of the Collaborating Organizations for Community Service Programme are as follow.





11.2 Cowsjee School

Cowasjee School NED University under its USR programme has also established one school ‘Cowasjee School’ with a reasonable investment which include donation from Cowasjee Foundation. The school is meant for providing high quality basic education to the students so as they may be able to get admission in renowned higher education institutions. The school is charging a very nominal fee from the employees’ children. The School is providing education from class-I up to matriculation with its current enrolment being around 400. Along with the children of employees who are charged a nominal fee, outsiders are also admitted in the school (around 32%) who are charged the normal fee.



11.3 Shuttle Service for School Children

The University provides one shuttle for the employees’ children for pick and drop to their schools. This service is being managed with zero additional cost on the University as the parents of these children are charged for this facility.



11.4 Clean Drinking Water for Students and Employees

Providing Clean Drinking Water to Students and Employees The tap water supplied in the City is undrinkable. Hence, the University under its USR has established two water filtering Units with the capacity of 10,000 gallons per day and 5,000 gallons per day respectively. All students and employees get facilitated with this treated water. Along with that the residents of University Staff Colony also get benefited by these filter plants. The University under its USR programme make these plants fully functional throughout the year.

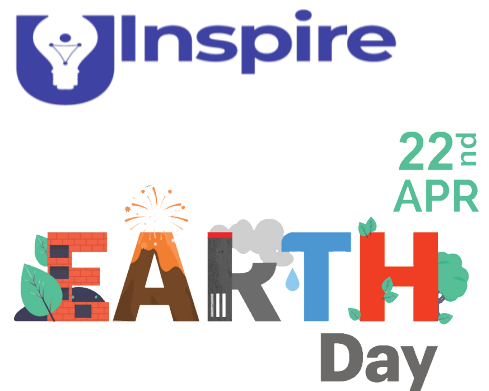
11.5 Blood Donation Camps

Arranging Blood Donation Camps The University under its USR programme arranges Blood Camps on regular basis. Renowned blood banks and hospitals are facilitated for collecting bloods in campus. While arranging such camps it is ensured that only those blood banks and hospitals are facilitated which have strong credibility and they are engaged in providing treatment and blood to less privileged people on discounted cost. Such camps are arranged at least once during each quarter of the year.



11.6 U-Inspire Pakistan

U-Inspire Pakistan is a society having vision to foster Pakistani youth and young professionals as the generator of innovation in Science, Engineering and Technology for disaster resilience at national and global level. The details are available at <https://uinspire.neduet.edu.pk/>.



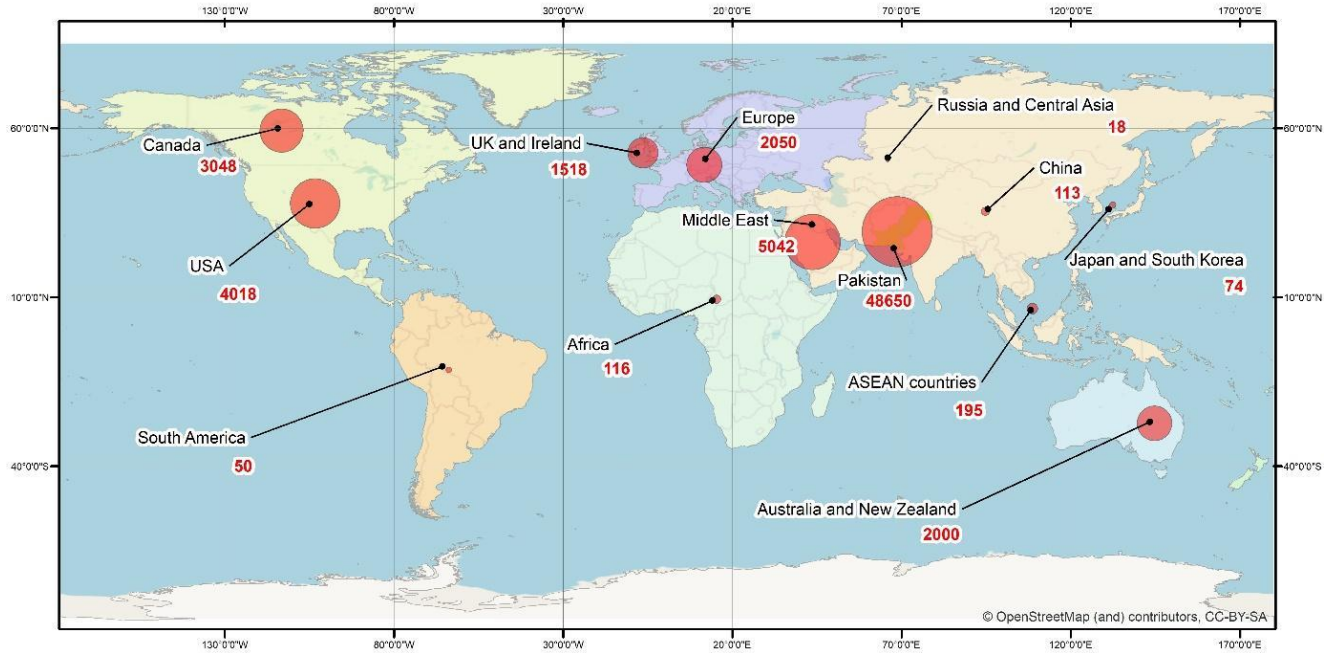
11.7 Alumni Engagement and Support

NED University is proud to have an active and vibrant relationship with its alumni across the world. Here is a map showing the global spread of NED alumni who are on contact with NED University via its social media platform. There are many more who enjoy physical connection with their alma mater. NED alumni are a huge source of support, advice and hand holding for their alma mater.

During the year 2023-24, several contributions and donations were made by our distinguished alumni as well as NED alumni associations around the world, **worth over Rs. 250 million**. Here is a glimpse of those generous donations:

- Engro Powergen Thar Limited (EPTL) via Engr. Ahsan Zafar donated for the construction of Baby Day Care Centre at NED University, the work is under progress
- Several prominent alumni and NED alumni associations from around the world donate heavily for the scholarship and financial assistance programmes of the NED University, including Engr. Aftab Rizvi whose contributions and unmatched efforts have established MaaJee Scholarship endowment fund, helping over 100 students every year to receive higher engineering education access.
- NEDIAN NA, like every year, awards certificates and cash prizes for the faculty and students under best researcher, best teacher and high-impact final year projects.
- Ashraf Habibullah donated for the installation of 70 KW solar system, Renovation and Building facade uplifting, rain water flooding mitigation work and establishment of smart classroom at the NED University City Campus, the work is in progress.
- Ashraf Habibullah through NEDIAN-NA also donated for the renovation of Civil Engineering Lecture Hall, two shading kiosks and 25 desktop computers at the Main Campus; and the furnishing and interior development of the Chimney Building at the City Campus; the works are in progress.
- Ashraf Habibullah also donated for the installation of 100 KW at LEJ campus, the work has been completed.
- Engr. Amir ul Islam, Jersey Precast, USA donated for the establishment of the STEM Centre at NED University
- Engr. Sohail Bashir and Friends donated for the plantation of 80 Coconut Trees in front of NED administration Building
- Friends of M. Abbas Sajid donated for the Refurbishment of Heat Transfer Lab at Department of Mechanical Engineering
- Engr. Syed Muhammad Shahabuddin (Civil Batch 1982-87) donated for the renovation of classroom at the Department of Civil Engineering, completed on 17th Dec., 2023
- Electrical Engineering Batches 1982-83, via Engr. Qaim Mehdi, 1986-87, 1997-98 and 2000-2001 donated for four classrooms renovation, completed on 17th Dec. 2023
- Electrical Engineering Batch 1996-97 donated for the renovation of Electrical Engineering lecture hall, completed on 17th Dec. 2023
- Computer Systems and Electrical Batches 1987-88 via Koshish Foundation, USA donated for the renovation of three classrooms of Electrical Engineering, completed on 27th April, 2024
- Engr. Jamshed Akhtar Danish, 1966-70 Batch of Civil Engineering donated for the establishment of smart classroom at the Department of Mathematics, completed on 17th Dec. 2023
- Mechanical class of Batch 1977-83 via Engr. Abbas Sajid, NED Alumni Association of Washington-DC (NEDA-DC) by Engr. Dr. Asma Ali, Director Projects, NEDA-DC, Engr. Kamran Butt of Batch 1977-83, Engr. S.M. Arif, Civil (1978-83) in loving memory of his wife donated for the renovation of four classrooms at the Department of Mechanical Engineering, completed on 17th Dec., 2023
- Engr. Saeed Iqbal Khan, Mechanical Batch 1970-75, in loving memory of his father, Engr. Abdul Hameed Khan (Former Principal, NED College, 1969-70), donated for the establishment of a smart classroom at the Department of Mechanical Engineering, completed on 17th Dec., 2023

- Ms. Ava Cowasjee, Great Grand Daughter of Nadir Shah Eduljee Dinshaw (NED) donated for the establishment of smart classroom at Department of Biomedical Engineering at LEJ Campus, completed in April 2024
- Friends Café - Club of Canada donated for the renovation of Mechanical Engineering Lecture Hall, completed on 17th Dec., 2023

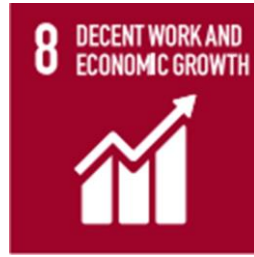


Chapter 12: Industrial Linkages and Outreach

SDG Targets



Fostering innovation and partnerships. Enhancing industry-academia collaboration.



Supporting entrepreneurship. Encouraging business development.

12.1 Office of Research, Innovation and Commercialization (ORIC)

ORIC objective is to foster research, innovation, and commercialization activities, enhancing the university's impact on industry and society.

Achievements and rankings of ORIC are as follows.

- Ranked among the Top 3 'W' category ORICs out of 78 in the country.
- Joint 2nd in Human Resource and Operations
- 1st in Research Excellence
- Joint 1st in Sustainability and Capacity Building
- Joint 3rd in Innovation and Commercialization

Following are the details of grant submissions and awards.

- 50 proposals submitted to Sindh Research Support Programme (SRSP)
- 05 projects funded by Pak-UK Education Gateway
- 02 projects funded by Erasmus+ Capacity Building in Higher Education
- 07 SRSP projects awarded to faculty members
- 16 National Research Programme for Universities (NRPU) projects awarded
- 09 NRPU projects completed
- 02 ASHRAE Global projects submitted, 01 approved
- 01 HEC World Bank TTSF project completed
- 166 NGIRI projects submitted, 27 approved
- 23 PEC FYDP projects submitted

Following is the summary of intellectual property activities.

- 02 Patent Disclosures
- 06 Patents Filed
- 06 Patents in Revision
- 01 Industrial Design

Other key events and collaborations of ORIC are as follow.

- "Invent for the Planet" global design competition in collaboration with Texas A&M University (16-18 February 2024)
- Talk on Intellectual Property by Ambassador (r) Mr. Farukh Amil (29 April 2024)
- "ORIC ROADMAP: Challenges, Mindset and Future Prospects" workshop (20 February 2024)
- "Why Intellectual Property is Necessary at NED UET" session (11 January 2024)
- "Train the Trainers" workshop by HEC and Invest2Innovate (2-3 November 2023)
- Technology and Innovation Support Center (TISCs) training seminar by IPO, WIPO, and HEC (23-24 October 2023)
- Online course on "The Essentials of Patents" by WIPO (August 2023)
- ORIC Capacity Building Training "From Lab to Market" by HEC and Invest2Innovate (1-3 August 2023)

12.2 Business Incubation Centre (BIC)

The Business Incubation Centre (BIC) at NED University of Engineering and Technology aims to assist engineering students, faculty, and researchers in transforming their innovative ideas into revenue-generating business models. BIC provides opportunities for commercial partners to invest in businesses with the potential to lead new industrial trends. The following are some achievements of BIC during the year 2023-24.

HEC Validated Business Incubation Center rankings are as follows.

- Joint 1st Rank in Post-Incubation Strategies
- Joint 3rd Rank in BIC Adopted Incubation Process

Innovator Seed Fund (HEDP-ISF) 2023-24 winners are as follows.

- AirNex Global (Awardee: Mr. Irtiza Ali): A precision agriculture company.
- Bechlo.pk (Awardee: Ziana Sakhia): A women-focused digital, financial literacy, and business empowerment company.
- Each startup received USD 35,000, with the goal of becoming investor-ready by the end of a six-month scaling period.

Other key activities are as follow.

- Session on "Startups Evaluation: Key to Successful Fundraising" by Dr. Thanh Huynh from Coventry University.
- Two-day workshop on "Boosting Entrepreneurship in University Education" attended by Director ORIC (Dr. Riaz Uddin) and Manager BIC (Dr. Sundus Ali).
- Attendance at the Invest to Innovate i2i ecosystem launch event by Dr. Sundus Ali.
- Participation in panel discussion on "Academia Commercialization for Innovation" at NIC Karachi.
- Sessions on "Business Innovation" at the University of the West Scotland (UWS) attended by Dr. Sundus Ali and faculty delegation under the PAK-UK Education Gateway: mobility for faculty programme.
- Interactive sessions on "Commercialization and Business Innovation" at NEDUET conducted by UWS faculty.
- Session on "Impact Acceleration" at the University of Glasgow attended by Dr. Sundus Ali and faculty delegation.
- Evaluation role by Dr. Riaz Uddin for IBA BIC application assessment.
- Steering Committee Membership by Dr. Sundus Ali at Jinnah University for Women Business Incubation Centre (JUBIC).
- Dr. Sundus Ali chaired/moderated provincial and national level competition sessions in December 2023 and February 2024.

- Representation of BIC ORIC in meetings with:
 - Algoma University
 - University of the West of Scotland (UWS) International Students Head
 - Arcelik Global (Dawlance) Leadership
 - Ismail Industries

12.3 National Incubation Centre, Karachi

Nestled within NED University Campus, the National Incubation Center Karachi (NIC Karachi) stands as a testament to fostering economic growth in Sindh and Pakistan. Established in May 2018, NIC Karachi is an ignition point for aspiring entrepreneurs, funded by the national technology fund Ignite and operated by LMKT. NIC Karachi fosters a dynamic environment for innovation by forging partnerships with industry leaders on both the international and local fronts. Renowned institutions like INSEAD and Orbit Startups bring a global perspective, while local heavyweights such as HBL, PTCL, Pakistan Poverty Alleviation Fund (PPAF), Founder Institute, and i2i provide invaluable regional expertise and support. Through this collaborative network, NIC Karachi has empowered over 299 startups through its incubation and acceleration programs.

Startups incubated	299
Graduated startups	180
Revenue Generated	PKR 6 billion
Investment Raised	PKR 8.1 billion

12.4 Directorate of Industrial Liaison

Apart from engaging with industries for providing students opportunities for internships, final year projects, industrial visits and job placements, Directorate of Industrial Liaison also plays pivotal role in developing new industrial linkages and collaborations of NED University underscoring the importance of partnerships between academic institutions and the industrial sector to foster innovation, enhance educational outcomes, and contribute to national development. Following is the list collaborations acquired by Ned University during the year 2023-24.

Month, Year	Collaborator
July 2023	AIM-GE: Memorandum of Intent for Battery Charging Collaboration
August 2023	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology
	Systems Limited (SL)
	STAR DENIM (PTV) Limited
	Ener Tech Holding Company: Government to Government Agreement for Technology Park Development
September 2023	INTI International University (INTI International Education SDN BHD, Malaysia)
	Indigo Textile and Orange Tree Foundation (OTF)
	Plus W
October 2023	WaterAid Pakistan (WAP)
	Odoo MIDDLE EAST DMCC Limited
November 2023	Ignite – National Technology Fund of Ministry of Information Technology and Telecommunication (MoITT)
	Shispare (Pvt.) Ltd.

	Gaditek Associates (Disrupt.com)
January 2024	Chartered Institute of Arbitrators Pakistan Branch (CI Arb)
	Agha Khan Agency for Habitat Pakistan (AKAHP)
	Educast Private Ltd. for Provisioning of Social Services/Social Work
	Ismail Industries
	UK-Pakistan Science and Innovation Global Network (UPSIGN)
February 2024	Liaquat University of Medical and Health Sciences (LUMS) Jamshoro
	Russian Centre for Science and Culture in Islamic Republic of Pakistan
	WAVETEC, Karachi
March 2024	NED Centre for Quantum Technologies and Horizon Tech Services (Pvt.) Ltd.
	Pakistan-Japan Intellect Forum
	The Dawood Foundation
April 2024	Barqtron Engineering Solutions
May 2024	Artistic Milliners

Chapter 13: Governance and Institutional Integrity

SDG Targets



Ensuring governance, fairness, transparency and accountability.

13.1 Senate: The University's Legislative Authority

The Senate serves as the highest legislative authority within the university, ensuring that academic and administrative policies align with the institution's mission and values. It plays a pivotal role in the governance structure, guiding strategic decisions and overseeing the implementation of key initiatives.

The Senate is composed of a diverse group of stakeholders, including all professors, heads of departments, and chairpersons, ensuring a broad representation of academic perspectives. Additionally, it includes all members of the Syndicate, four university teachers elected by their peers, principals of affiliated colleges, and chairpersons of boards of intermediate and secondary education. Furthermore, the Senate benefits from the insights of one elected registered graduate and two eminent engineers, who are nominated by the chancellor.

Chaired by the chancellor, with the registrar serving as secretary, the Senate convenes at least once annually. These meetings provide a forum for discussing and approving major policy changes, ensuring that the university operates with transparency, accountability, and a commitment to excellence. The Senate's decisions have a lasting impact on the university's direction, making it a cornerstone of strong institutional governance.

13.2 Grievance Committee: Ensuring Fairness and Justice

The university is committed to upholding justice and fairness within its community. To achieve this, a dedicated Grievance Committee has been established to address any issues or conflicts that arise. The committee's primary function is to provide a structured and impartial platform for addressing grievances, whether they involve academic matters, workplace concerns, or other issues affecting students, faculty, or staff.

This committee operates with the utmost integrity, ensuring that every case is thoroughly reviewed and resolved in a manner that aligns with the principles of fairness and equity. By providing a clear process for conflict resolution, the Grievance Committee helps maintain a positive and supportive environment within the university, furthering the institution's commitment to peace and justice in line with SDG 16.

The current composition of the committee can be found at https://www.neduet.edu.pk/policies/NED_Grievances_Committee.pdf.

13.3 Complaint Log Register: Promoting Transparency and Accountability

In addition to the Grievance Committee, the university has implemented a system of mandatory complaint log registers in every department. These registers serve as official records where students, faculty, and staff can document their concerns or complaints. This process ensures that all voices are heard and that issues are addressed systematically and promptly.

The complaint log registers are not merely passive tools; they are actively regulated through regular audits. This audit process ensures that complaints are not only logged but also followed up on and resolved appropriately. By maintaining this level of transparency and accountability, the university fosters a culture of trust and responsiveness, further contributing to strong institutional integrity.

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